



**\*REVISED AGENDA\***

**CITY COUNCIL OF THE CITY OF MORENO VALLEY  
MORENO VALLEY COMMUNITY SERVICES DISTRICT  
CITY AS SUCCESSOR AGENCY FOR THE  
COMMUNITY REDEVELOPMENT AGENCY OF  
THE CITY OF MORENO VALLEY  
MORENO VALLEY HOUSING AUTHORITY  
BOARD OF LIBRARY TRUSTEES**

**March 21, 2017**

**REGULAR MEETING – 6:00 PM**

**City Council Study Sessions**

Second Tuesday of each month – 6:00 p.m.

**City Council Meetings**

Special Presentations – 5:30 P.M.

First & Third Tuesday of each month – 6:00 p.m.

**City Council Closed Session**

*Will be scheduled as needed at 4:30 p.m.*

City Hall Council Chamber – 14177 Frederick Street

*Upon request, this agenda will be made available in appropriate alternative formats to persons with disabilities, in compliance with the Americans with Disabilities Act of 1990. Any person with a disability who requires a modification or accommodation in order to participate in a meeting should direct such request to Guy Pegan, ADA Coordinator, at 951.413.3120 at least 72 hours before the meeting. The 72-hour notification will enable the City to make reasonable arrangements to ensure accessibility to this meeting.*

Victoria Baca, Mayor Pro Tem  
David Marquez, Council Member

Dr. Yxstian A. Gutierrez, Mayor

Jeffrey J. Giba, Council Member  
Vacant

**AGENDA**  
**CITY COUNCIL OF THE CITY OF MORENO VALLEY**  
**March 21, 2017**

**CALL TO ORDER - 5:30 PM**

**SPECIAL PRESENTATIONS**

1. Inland United Soccer Club Moreno Valley Recognitions.



**AGENDA  
JOINT MEETING OF THE  
CITY COUNCIL OF THE CITY OF MORENO VALLEY  
MORENO VALLEY COMMUNITY SERVICES DISTRICT  
CITY AS SUCCESSOR AGENCY FOR THE  
COMMUNITY REDEVELOPMENT AGENCY OF THE  
CITY OF MORENO VALLEY  
MORENO VALLEY HOUSING AUTHORITY  
AND THE BOARD OF LIBRARY TRUSTEES**

**\*THE CITY COUNCIL RECEIVES A SEPARATE STIPEND FOR CSD  
MEETINGS\***

**REGULAR MEETING – 6:00 PM  
MARCH 21, 2017**

**CALL TO ORDER**

Joint Meeting of the City Council, Community Services District, City as Successor Agency for the Community Redevelopment Agency, Housing Authority and the Board of Library Trustees - actions taken at the Joint Meeting are those of the Agency indicated on each Agenda item.

**PLEDGE OF ALLEGIANCE**

**INVOCATION**

Pastor Eddie Ogwo, Heartbeat of God Assembly

**ROLL CALL**

**INTRODUCTIONS**

**PUBLIC COMMENTS ON MATTERS ON THE AGENDA WILL BE TAKEN UP AS THE ITEM IS CALLED FOR BUSINESS, BETWEEN STAFF'S REPORT AND CITY COUNCIL DELIBERATION (SPEAKER SLIPS MAY BE TURNED IN UNTIL THE ITEM IS CALLED FOR BUSINESS.)**

**PUBLIC COMMENTS ON ANY SUBJECT NOT ON THE AGENDA UNDER THE JURISDICTION OF THE CITY COUNCIL**

Those wishing to speak should complete and submit a BLUE speaker slip to the Sergeant-at-Arms. There is a three-minute time limit per person. All remarks and questions shall be addressed to the presiding officer or to the City Council.

## **JOINT CONSENT CALENDARS (SECTIONS A-D)**

All items listed under the Consent Calendars, Sections A, B, C, and D are considered to be routine and non-controversial, and may be enacted by one motion unless a member of the City Council, Community Services District, City as Successor Agency for the Community Redevelopment Agency, Housing Authority or the Board of Library Trustees requests that an item be removed for separate action. The motion to adopt the Consent Calendars is deemed to be a separate motion by each Agency and shall be so recorded by the City Clerk. Items withdrawn for report or discussion will be heard after public hearing items.

### **A. CONSENT CALENDAR-CITY COUNCIL**

- A.1. ORDINANCES - READING BY TITLE ONLY - THE MOTION TO ADOPT AN ORDINANCE LISTED ON THE CONSENT CALENDAR INCLUDES WAIVER OF FULL READING OF THE ORDINANCE.

**Recommendation:** Waive reading of all Ordinances.

- A.2. MUNICIPAL CODE UPDATE – SECTIONS 9.14.210 AND 9.14.230 - AUTHORIZING THE CITY ENGINEER TO EXECUTE IMPROVEMENT SECURITY AGREEMENTS AND RELEASE OR REDUCE IMPROVEMENT SECURITIES AND DESIGNATING THE CITY ENGINEER TO ACCEPT STREETS AND PORTIONS THEREOF INTO THE CITY MAINTAINED STREET SYSTEM (Received first reading and introduction on March 7, 2017 by a 3-0-1 vote) (Report of: Public Works)

**Recommendations: That the City Council:**

1. Conduct second reading by title only and Adopt Ordinance No. 921. An Ordinance of the City Council of the City of Moreno Valley, California, thereby amending the City of Moreno Valley Municipal Code Sections 9.14.210(B), 9.14.210(C), and 9.14.230 related to improvement securities and acceptance of completed improvements into the City maintained street system.

- A.3. FINAL PURCHASE AND SALE AGREEMENT FOR SOUTHERN CALIFORNIA EDISON STREET LIGHTS (Report of: Public Works)

**Recommendation:**

1. Approve the final Purchase and Sale Agreement, including the Light Pole License Agreement, with Southern California Edison to acquire approximately 9,411 street lights and authorize the City Manager to execute the necessary documents.

A.4. MAYORAL APPOINTMENTS FOR THE PLANNING COMMISSION (Report of: Mayor Gutierrez)

**Recommendation:**

1. Receive and confirm the slate of Mayoral appointments as follows:

<u>Name</u>	<u>Position</u>	<u>Term</u>
Ray Baker	Commissioner	04/01/2017 to 03/31/2021
Rafael Brugueras	Commissioner	04/01/2017 to 03/31/2021

Other appointments may be made from the pool of applicants at the meeting.

A.5. MAYORAL APPOINTMENTS FOR THE LIBRARY COMMISSION (Report of: Mayor Gutierrez)

**Recommendation:**

1. Receive and confirm the full slate of the Mayoral appointments as follows:

<u>Name</u>	<u>Position</u>	<u>Term</u>
Claudia Diaz Carrasco	Commissioner	07/01/2017 to 06/30/2018
Tamala Sha Jones	Commissioner	07/01/2017 to 06/30/2018

A.6. LIST OF PERSONNEL CHANGES (Report of: Administrative Services)

**Recommendation:**

1. Ratify the list of personnel changes as described.

A.7. TRACT 22180-2 – APPROVE COOPERATIVE AGREEMENT AMONG THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, CITY OF MORENO VALLEY, AND RSI COMMUNITIES LLC FOR THE SUNNYMEAD -BLACK SHADOW DRIVE STORM DRAIN, STAGE 1, LOCATED AT THE NORTHWEST CORNER OF GENTIAN AVENUE AND PERRIS BOULEVARD. DEVELOPER: RSI COMMUNITIES LLC (Report of: Public Works)

**Recommendations:**

1. Approve the Cooperative Agreement with the Riverside County Flood Control and Water Conservation District (the District), the City of Moreno Valley, and RSI Communities LLC for the Sunnymead – Black Shadow Drive Storm Drain, Stage 1.
2. Authorize the City Manager to execute the Cooperative Agreement.
3. Direct the City Clerk to forward the signed Cooperative Agreement to the District.

- A.8. TRACT 22180-2 – ACCEPT THE AGREEMENT AND SECURITY FOR PUBLIC IMPROVEMENTS AT THE NORTHWEST CORNER OF GENTIAN AVENUE AND PERRIS BOULEVARD DEVELOPER: RSI COMMUNITIES LLC (Report of: Public Works)

**Recommendations:**

1. Accept the Agreement and Security for Public Improvements for RSI Communities LLC.
2. Authorize the Mayor to execute the Agreement.
3. Direct the City Clerk to forward the signed Agreement to the County Recorder's Office for recordation.
4. Authorize the City Engineer to execute any future time extension amendments to the agreement, subject to City Attorney approval, if the required public improvements are not completed within said timeframe.

- A.9. ADOPT RESOLUTION NO. 2017-13 DECLARING SUPPORT FOR AN ENERGY PARTNERSHIP BETWEEN SOUTHERN CALIFORNIA EDISON COMPANY AND SOUTHERN CALIFORNIA GAS COMPANY TO BE KNOWN AS "ENERGY PARTNERSHIP" (Report of: Administrative Services)

**Recommendation:**

1. Adopt Resolution No. 2017-13. A resolution of the City Council of the City of Moreno Valley, California, declaring support for an energy partnership between Southern California Edison, Southern California Gas Company, and Western Riverside Council of Governments to promote energy efficiency and sustainability.

- A.10. APPROVE CALTRANS MASTER AGREEMENT, ADMINISTERING AGENCY-STATE AGREEMENT FOR FEDERAL-AID PROJECTS, AGREEMENT NO. 08-5441F15 AND ADOPT THE PROPOSED RESOLUTION (Report of: Public Works)

**Recommendations:**

1. Approve Master Agreement, Administering Agency-State Agreement for Federal-Aid Projects, Agreement No. 08-5441F15.
2. Authorize the Public Works Director to execute the Master Agreement, Administering Agency-State Agreement for Federal-Aid Projects, Agreement No. 08-5441F15 upon City Council Approval.
3. Adopt Resolution No. 2017-14. A resolution of the City Council of the City of Moreno Valley, California, authorizing the Public Works Director to execute all future Master Agreements, Program Supplement Agreements, Fund Exchange Agreements, Fund Transfer Agreements and/or any amendments thereto with the California Department of

Transportation (Caltrans) subject to the approval of the City Attorney.

A.11. ACCEPTANCE OF CYCLE 8 HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) GRANT AND FUNDING APPROPRIATION FOR THE SOUTH LASSELLE STREET SAFETY CORRIDOR PROJECT (Report of: Public Works)

**Recommendations:**

1. Accept the California Department of Transportation (Caltrans) Highway Safety Improvement Program (HSIP) Cycle 8 grant award of up to \$522,300 in funds for the South Lasselle Street Safety Corridor project.
2. Authorize the Chief Financial Officer to appropriate \$522,300 as revenue and expense in the Capital Projects Reimbursements fund (Fund 2301).
3. Amend the Fiscal Year 16/17 Adopted Capital Improvement Plan to include the South Lasselle Street Safety Corridor project as a funded project.

A.12. ACCEPTANCE OF CYCLE 8 HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) GRANT AND FUNDING APPROPRIATION FOR THE UPGRADE OF MARKED CROSSWALKS ON ARTERIALS (Report of: Public Works)

**Recommendations:**

1. Accept the California Department of Transportation (Caltrans) Highway Safety Improvement Program (HSIP) Cycle 8 grant award of up to \$250,000 in funds for the upgrade of existing marked crosswalks on arterials.
2. Authorize the Chief Financial Officer to appropriate \$250,000 as revenue and expense in the Capital Projects Reimbursements fund (Fund 2301).
3. Amend the Fiscal Year 16/17 Adopted Capital Improvement Plan to include the project as a funded project.

A.13. TRACT 22180-3 – ACCEPT DEVELOPMENT IMPACT FEE (DIF) IMPROVEMENT CREDIT AGREEMENT #D17-001 FOR INDIAN STREET AND GENTIAN AVENUE ROAD IMPROVEMENTS ASSOCIATED WITH THE AUGUSTA TRACT PROJECT DEVELOPER: RSI COMMUNITIES LLC (Report of: Public Works)

**Recommendations:**

1. Accept the Development Impact Fee Improvement Credit Agreement #D17-001 (DIF Agreement) for Tract 22180-3 improvements.
2. Authorize the City Manager to execute the DIF Agreement.

A.14. ACCEPTANCE OF CYCLE 8 HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) GRANT AND FUNDING APPROPRIATION FOR THE UPGRADE OF GUARDRAIL SYSTEMS (Report of: Public Works)

**Recommendations:**

1. Accept the California Department of Transportation (Caltrans) Highway Safety Improvement Program (HSIP) Cycle 8 grant award of up to \$779,900 in funds for implementing guardrail system upgrades.
2. Authorize the Chief Financial Officer to appropriate \$779,900 as revenue and expense in the Capital Projects Reimbursements fund (Fund 2301).
3. Amend the Fiscal Year 16/17 Adopted Capital Improvement Plan to include the Guardrail Upgrades project as a funded project.

A.15. APPROVAL OF THE FISCAL YEAR 2017/2018 STORM WATER PROTECTION PROGRAM BUDGET FOR COUNTY SERVICE AREA 152 (Report of: Public Works)

**Recommendations:**

1. Approve the County Service Area (CSA) 152 Budget for Fiscal Year (FY) 2017/2018 in the amount \$675,693.
2. Authorize the levy of County Service Area 152 Assessment at \$8.15 per Benefit Assessment Unit (BAU) for FY 2017/2018.

A.16. APPROVE COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT FOR THE SUNNYMEAD MASTER DRAINAGE PLAN LINE H-1A, STAGE 3, AKA HUBBARD STREET STORM DRAIN PROJECT NO. 804 0010 (Report of: Public Works)

**Recommendations:**

1. Approve the Cooperative Agreement with Riverside County Flood Control and Water Conservation District (District) for the Sunnymead Master Drainage Plan Line H-1A, Stage 3, aka Hubbard Street Storm Drain Project.
2. Authorize the City Manager to execute the Cooperative Agreement in the form attached hereto upon concurrence by the District.

3. Authorize the Public Works Director/City Engineer to approve any minor changes that may be requested by the District and/or the City subject to the approval of the City Attorney.
4. Authorize the Public Works Director/City Engineer to execute any future amendments subject to the approval of the City Attorney.
5. Authorize the Chief Financial Officer to appropriate \$467,000 as revenue and expense in the Public Work General Capital Projects Fund (3002) to provide adequate funding for the Hubbard Street Storm Drain project construction.

A.17. AUTHORIZATION TO AWARD CONSTRUCTION CONTRACT TO FS CONTRACTORS, INC. FOR THE CYCLE 7 CITYWIDE PEDESTRIAN AND BICYCLE ENHANCEMENT PROJECT NO. 801 0068 (Report of: Public Works)

**Recommendations:**

1. Award a construction contract to FS Contractors, Inc., 14838 Bledsoe Street, Sylmar, CA 91342, the lowest responsible bidder, for the Cycle 7 Citywide Pedestrian and Bicycle Enhancement.
2. Authorize the City Manager to execute a contract with FS Contractors, Inc.
3. Authorize the issuance of a Purchase Order for FS Contractors, Inc., in the amount of \$113,344 (\$98,560 bid amount plus 15% contingency) when the contract has been signed by all parties.
4. Authorize the Public Works Director/City Engineer to execute any subsequent related minor change orders to the contract with FS Contractors, Inc. up to, but not exceeding, the contingency amount of \$14,784 subject to the approval of the City Attorney.

A.18. XEROX COLOR PRINTER LEASES (Report of: Administrative Services)

**Recommendations: That the City Council and CSD:**

1. Award the five year lease of two XC60 color printers and ancillary equipment to Xerox Corporation.
2. Approve the amended budget and instruct the Purchasing Manager to sign the leases and issue purchase orders based on the lease terms.
3. Allow the Administrative Services Director to process any contract amendments and/or change orders up to a 10% increase of the initial amount for added copy volume charges or other required items.

A.19. PURSUANT TO LANDOWNER PETITIONS, ANNEX CERTAIN PARCELS INTO COMMUNITY FACILITIES DISTRICT NO. 2014-01 (MAINTENANCE SERVICES) - AS AMENDMENT NO. 21 (Report of: Public Works)

**Recommendation:**

1. Acting as the legislative body of Community Facilities District No. 2014-01 (Maintenance Services), adopt Resolution No. 2017-15, a Resolution of the City Council of the City of Moreno Valley, California, ordering the annexation of territories to City of Moreno Valley Community Facilities District No. 2014-01 (Maintenance Services) and approving the amended maps for said district.

**A.20. Police K9 Donation**

**Recommendation:**

1. Accept one donated Police K9, valued at \$11,000, from Adlerhorst International.

**B. CONSENT CALENDAR-COMMUNITY SERVICES DISTRICT**

- B.1. ORDINANCES - READING BY TITLE ONLY - THE MOTION TO ADOPT AN ORDINANCE LISTED ON THE CONSENT CALENDAR INCLUDES WAIVER OF FULL READING OF THE ORDINANCE.

**Recommendation:** Waive reading of all Ordinances.

- B.2. ADOPTION OF A RESOLUTION TO CERTIFY REDUCED DAYS OF OPERATION AND ATTENDANCE OF "A CHILD'S PLACE" PROGRAM DUE TO EMERGENCY CONDITIONS ON JANUARY 23, 2017 (Report of: Parks & Community Services)

**Recommendation:**

1. Adopt Resolution No. CSD 2017-03. A resolution of the Moreno Valley Community Services District of the City of Moreno Valley, California, to certify reduced days of operation and attendance of A Child's Place Program due to emergency conditions on January 23, 2017.

**C. CONSENT CALENDAR - HOUSING AUTHORITY**

- C.1. ORDINANCES - READING BY TITLE ONLY - THE MOTION TO ADOPT AN ORDINANCE LISTED ON THE CONSENT CALENDAR INCLUDES WAIVER OF FULL READING OF THE ORDINANCE.

**Recommendation:** Waive reading of all Ordinances.



## **D. CONSENT CALENDAR - BOARD OF LIBRARY TRUSTEES**

- D.1. ORDINANCES - READING BY TITLE ONLY - THE MOTION TO ADOPT AN ORDINANCE LISTED ON THE CONSENT CALENDAR INCLUDES WAIVER OF FULL READING OF THE ORDINANCE.

**Recommendation:** Waive reading of all Ordinances.

## **E. PUBLIC HEARINGS**

Questions or comments from the public on a Public Hearing matter are limited to five minutes per individual and must pertain to the subject under consideration.

Those wishing to speak should complete and submit a GOLDENROD speaker slip to the Sergeant-at-Arms.

- E.1. LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL USE PERMIT, AND TENTATIVE TRACT MAP 36760 FOR A 53 ACRE SINGLE FAMILY DWELLING PROJECT AT THE SOUTHEAST CORNER OF INDIAN STREET AND GENTIAN AVENUE, PROPOSED RELATED ENVIRONMENTAL DOCUMENT MITIGATED NEGATIVE DECLARATION (Report of: Community Development)

### **Recommendations: That the City Council:**

1. Conduct a public hearing for the Legacy Park Project.
2. Adopt Mitigated Negative Declaration prepared in connection with the Project.
3. Approve Resolution No. 2017-16. A Resolution of the City Council of the City of Moreno Valley, California, Approving a General Plan Amendment (PEN16-0092) to change the Land Use Designation from Residential 30 to Residential 5 for approximately 15 acres located within Assessor's Parcel Number 485-220-040 located south of Gentian Avenue and on the west side of the California Aqueduct.
4. Introduce Ordinance No. 922. An Ordinance of the City Council of the City of Moreno Valley, California, Approving a Zone Change (PEN16-0093) from R30 to R5 for approximately 15 acres located within Assessor's Parcel Number 485-220-040 located south of Gentian Avenue and on the west side of the California Aqueduct.
5. Approve Resolution No. 2017-17. A Resolution of the City Council of the City of Moreno Valley, California, Approving Conditional Use

Permit PEN16-0094 for a 221 lot Planned Unit Development on approximately 53 acres of Assessor's Parcel Numbers 485-220-023, 485-220-032, and 485-220-040 located at the southeast corner of Indian Street and Gentian Avenue.

6. Approve Resolution No. 2017-18. A Resolution of the City Council of the City of Moreno Valley, California, Approving Tentative Tract Map 36760 (Application PEN16-0095) to subdivide the approximately 53 acres of Assessor's Parcel Numbers 485-220-023, 485-220-032, and 485-220-040 located at the southeast corner of Indian Street and Gentian Avenue.

**E.2. PUBLIC HEARING TO APPROVE CDBG, HOME, AND ESG PROJECTS SELECTIONS FOR INCLUSION IN FY 2017-18 ANNUAL ACTION PLAN (Report of: Financial & Management Services)**

**Recommendations: That the City Council:**

1. Conduct a Public Hearing for the Community Development Block Grant (CDBG), HOME Investment Partnership (HOME) and Emergency Solutions Grant (ESG) Programs to allow the public an opportunity to comment on the proposed project selections for Fiscal Year (FY) 2017/18 Annual Action Plan.
2. Approve the recommended projects for inclusion in the Annual Action Plan (FY 2017/18) as an application to the U.S. Department of Housing and Urban Development for funding under the federal CDBG, HOME and ESG programs.
3. Authorize the Chief Financial Officer to amend the City's Budget to include the allocations in the FY 2017/18 Action Plan.

E.3. PUBLIC HEARING FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MAIL BALLOT PROCEEDING (Report of: Public Works)

**Recommendations: That the City Council:**

1. Conduct the Public Hearing and accept public testimony regarding the mail ballot proceedings for First Industrial, LP and Corona South Main Development for approval of the National Pollutant Discharge Elimination System (NPDES) maximum commercial/industrial regulatory rate to be applied to the property tax bill.
2. Direct the City Clerk to count the returned NPDES ballots.
3. Verify and accept the results of the mail ballot proceeding as maintained by the City Clerk on the Official Tally Sheet.
4. Receive and file the Official Tally Sheet with the City Clerk's office.
5. If approved, authorize and impose the NPDES maximum commercial/industrial regulatory rate to the Assessor's Parcel Numbers mentioned in this report.

**F. ITEMS REMOVED FROM CONSENT CALENDARS FOR DISCUSSION OR SEPARATE ACTION**

**G. REPORTS**

G.1. CITY COUNCIL REPORTS ON REGIONAL ACTIVITIES

(Informational Oral Presentation - not for Council action)

March Joint Powers Commission (JPC)

Riverside County Habitat Conservation Agency (RCHCA)

Riverside County Transportation Commission (RCTC)

Riverside Transit Agency (RTA)

Western Riverside Council of Governments (WRCOG)

Western Riverside County Regional Conservation Authority (RCA)

School District/City Joint Task Force

Southern California Association of Governments (SCAG)

G.2. MOMENTUM MOVAL: STATUS UPDATE ON STRATEGIC PLAN (Report of: City Manager)

**Recommendation:**

1. That the City Council receive and file the City Manager's status update on Momentum MoVal Strategic Plan objectives and initiatives.

G.3. ADOPT A NEIGHBORHOOD PROGRAM (Report of: Financial & Management Services)

**Recommendations:**

1. Implement an Adopt-A-Neighborhood Program for the City of Moreno Valley.
2. Direct staff to publicize the new program to foster partnerships between neighborhood residents, churches, civic organizations, community based non-profits and businesses to leverage resources for the enhancement of our community and authorize staff to prepare and provide to the participants any necessary documents that define the scope of the Adopt-A-Neighborhood program.

G.4. CITY MANAGER'S REPORT

(Informational Oral Presentation - not for Council action)

G.5. CITY ATTORNEY'S REPORT

(Informational Oral Presentation - not for Council action)

**H. LEGISLATIVE ACTIONS**

H.1. ORDINANCES - 1ST READING AND INTRODUCTION - NONE

H.2. ORDINANCES - 2ND READING AND ADOPTION - NONE

H.3. ORDINANCES - URGENCY ORDINANCES - NONE

**CLOSING COMMENTS AND/OR REPORTS OF THE CITY COUNCIL, COMMUNITY SERVICES DISTRICT, CITY AS SUCCESSOR AGENCY FOR THE COMMUNITY REDEVELOPMENT AGENCY, HOUSING AUTHORITY AND THE BOARD OF LIBRARY TRUSTEES.**

## **PUBLIC INSPECTION**

The contents of the agenda packet are available for public inspection on the City's website at [www.moval.org](http://www.moval.org) and in the City Clerk's office at 14177 Frederick Street during normal business hours.

Any written information related to an open session agenda item that is known by the City to have been distributed to all or a majority of the City Council less than 72 hours prior to this meeting will be made available for public inspection on the City's website at [www.moval.org](http://www.moval.org) and in the City Clerk's office at 14177 Frederick Street during normal business hours.

## **ADJOURNMENT**

## **CERTIFICATION**

I, Pat Jacquez-Nares, City Clerk of the City of Moreno Valley, California, certify that 72 hours prior to this Regular Meeting, the City Council Agenda was posted on the City's website at: [www.moval.org](http://www.moval.org) and in the following three public places pursuant to City of Moreno Valley Resolution No. 2007-40:

City Hall, City of Moreno Valley  
14177 Frederick Street

Moreno Valley Library  
25480 Alessandro Boulevard

Moreno Valley Senior/Community Center  
25075 Fir Avenue

Pat Jacquez-Nares, CMC & CERA  
City Clerk

**Date Posted: March 16, 2017**



## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** March 21, 2017

**TITLE:** MUNICIPAL CODE UPDATE – SECTIONS 9.14.210 AND 9.14.230 - AUTHORIZING THE CITY ENGINEER TO EXECUTE IMPROVEMENT SECURITY AGREEMENTS AND RELEASE OR REDUCE IMPROVEMENT SECURITIES AND DESIGNATING THE CITY ENGINEER TO ACCEPT STREETS AND PORTIONS THEREOF INTO THE CITY MAINTAINED STREET SYSTEM

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### **RECOMMENDED ACTION**

#### **Recommendations: That the City Council:**

1. Conduct second reading by title only and Adopt Ordinance No. 921. An Ordinance of the City Council of the City of Moreno Valley, California, thereby amending the City of Moreno Valley Municipal Code Sections 9.14.210(B), 9.14.210(C), and 9.14.230 related to improvement securities and acceptance of completed improvements into the City maintained street system.

### **SUMMARY**

On March 7, 2017, the City Council introduced and read by title only Ordinance No. 920 and scheduled the second reading and adoption for the March 21, 2017 Council Meeting by a 3-0-1 vote. The adopted Ordinance will streamline the delivery of development projects and reduce the amount of time that the improvement security will be in place. This is consistent with the intent of the Momentum MoVal Priority 1 – Economic Development business opportunities and job creation.

### **FISCAL IMPACT**

There is no fiscal impact to the General Fund associated with the proposed ordinance.

**CITY COUNCIL GOALS**

**Positive Environment.** Create a positive environment for the development of Moreno Valley's future.

**CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

See the Discussion section above for details of how this action supports the City Council's Strategic Priorities.

**ATTACHMENTS**

- 1. Ordinance No. 921

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>
City Attorney Approval	<u>✓ Approved</u>
City Manager Approval	<u>✓ Approved</u>

ORDINANCE NO. 921

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, AMENDING SECTIONS 9.140.210 AND 9.14.230 OF CHAPTER 9.14 OF TITLE 9 OF THE CITY OF MORENO VALLEY MUNICIPAL CODE, AUTHORIZING THE CITY ENGINEER TO EXECUTE IMPROVEMENT SECURITY AGREEMENTS, DESIGNATING THE CITY ENGINEER TO ACCEPT STREETS AND PORTIONS THEREOF INTO THE CITY MAINTAINED STREET SYSTEM, AND AUTHORIZING THE CITY ENGINEER TO RELEASE OR REDUCE IMPROVEMENT SECURTIES

WHEREAS, the City Council of the City of Moreno Valley seeks to streamline the development process, specifically the execution of improvement security agreements, acceptance of street improvements, and release of improvement securities; and

WHEREAS, the California Streets and Highways Code Section 1806(c) allows the City Council to designate a city official, on behalf of the City, to accept streets or portions thereof into the City maintained street system; and

WHEREAS, the California Government Code Section 66499.7 allows the City Council to delegate to a City official the authorization to release or reduce the improvement security; and

WHEREAS, the City Council desires to delegate those functions and that authority to the City Engineer.

The City Council of the City of Moreno Valley does ordain as follows:

SECTION 1: RECITALS

The recitals set forth above are true and correct and incorporated herein by reference.

SECTION 2: MUNICIPAL CODE AMENDED:

Title 9 of the City of Moreno Valley Municipal Code is hereby amended as follows:

Section 9.14.210(B) of Chapter 9.14 is deleted in its entirety and replaced with the following:

“9.14.210(B) The agreement and the improvement security for all schedule maps and as otherwise needed shall be executed by the City Engineer only in the form and

Attachment: Ordinance No. 921 (2535 : MUNICIPAL CODE UPDATE ? SECTIONS 9.14.210 AND 9.14.230 - DESIGNATING)



terms approved by the City Engineer and the City Attorney. The initial period of the agreement and the security shall be twenty-four (24) months.”

Section 9.14.210(C) of Chapter 9.14 is deleted in its entirety and replaced with the following:

“9.14.210(C) Extensions of time may be granted at any time by the City Engineer, either at his/her discretion, with or without notice to the developer and surety, or at the written request of the developer.”

Section 9.14.230 of Chapter 9.14 is deleted in its entirety and replaced with the following:

“9.14.230 Improvement Security Release. Improvement security may be released upon the final completion and acceptance of the act or work; provided, however, such release shall not apply to the amount of security as determined in Section 9.14.220(A)(3) for the guarantee and warranty period, or to costs and reasonable expense fees, including reasonable attorney’s fees, incurred by the City in enforcing any improvement agreement. The City Engineer on behalf of the City is designated to accept streets or portions thereof into the City maintained street system. Once the improvements have been accepted, the City Engineer is authorized to release or partially reduce the improvement security, in a format and content subject to the City Attorney approval. When appropriate, such release shall be recorded in the office of the county recorder.”

### SECTION 3. SEVERABILITY

Should any provision, section, paragraph, sentence or word of this ordinance be rendered or declared invalid by any final court action in a court of competent jurisdiction or by reason of any preemptive legislation, the remaining provisions, sections, paragraphs, sentences or words of this ordinance as hereby adopted shall remain in full force and effect.

### SECTION 4. REPEAL OF CONFLICTING PROVISIONS

All the provisions of the City of Moreno Valley Municipal Code as heretofore adopted that are in conflict with the provisions of this ordinance are hereby repealed.

### SECTION 5. EFFECT OF ENACTMENT:

Except as specifically provided herein, nothing contained in this ordinance shall be deemed to modify or supersede any prior enactment of the City Council which addresses the same subject addressed herein.

SECTION 6. NOTICE OF ADOPTION:

Within fifteen days after the date of adoption hereof, the City Clerk shall certify to the adoption of this ordinance and cause it to be posted in three public places within the city.

SECTION 7. EFFECTIVE DATE:

This ordinance shall take effect thirty days after the date of its adoption.

APPROVED AND ADOPTED this 21<sup>st</sup> day of March, 2017.

\_\_\_\_\_

Mayor

ATTEST:

\_\_\_\_\_  
City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney

Attachment: Ordinance No. 921 (2535 : MUNICIPAL CODE UPDATE ? SECTIONS 9.14.210 AND 9.14.230 - DESIGNATING)

**ORDINANCE JURAT**

STATE OF CALIFORNIA        )  
COUNTY OF RIVERSIDE       ) ss.  
CITY OF MORENO VALLEY     )

I, Pat Jacquez-Nares, City Clerk of the City of Moreno Valley, California, do hereby certify that Ordinance No. 921 had its first reading on March 7, 2017, and had its second reading on March 21, 2017 and was duly and regularly adopted by the City Council of the City of Moreno Valley at a regular meeting thereof held on the 21<sup>st</sup> day of March, 2017, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

(Council Members, Mayor Pro Tem and Mayor)

\_\_\_\_\_  
CITY CLERK

(SEAL)

Attachment: Ordinance No. 921 (2535 : MUNICIPAL CODE UPDATE ? SECTIONS 9.14.210 AND 9.14.230 - DESIGNATING)



## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** March 21, 2017

**TITLE:** FINAL PURCHASE AND SALE AGREEMENT FOR SOUTHERN CALIFORNIA EDISON STREET LIGHTS

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### **RECOMMENDED ACTION**

#### **Recommendations: That the City Council:**

1. Approve the final Purchase and Sale Agreement, including the Light Pole License Agreement, with Southern California Edison to acquire approximately 9,411 street lights and authorize the City Manager to execute the necessary documents.

### **SUMMARY**

This report recommends approval of the final Purchase and Sale Agreement with Southern California Edison (SCE), which includes a Light Pole License Agreement for Wireless Attachment (collectively the "Agreement") included as Attachments 1 and 2. The Agreement is for the acquisition of approximately 9,411 SCE owned street lights for a purchase price of not-to-exceed \$4,950,090. Buying the street lights will transition them from SCE's LS-1 (utility owned and maintained) tariff to its LS-2 (city owned and maintained) tariff. The Light Pole License Agreement provides SCE with an existing and future easement on the street lights for existing and future wireless communicating devices. SCE uses the wireless communication to collect and relay data from meters, and to collect, relay and communicate with SCE distribution equipment. Final approval of the Agreement and the sale of the street lights are subject to approval from the California Public Utilities Commission (CPUC) and approval of a financing plan by the City Council.

The Agreement was approved in substantial form during the October 18, 2016 City Council meeting (see Attachment 4 for staff report). Since that time negotiations continued on non-substantive changes. The October 2016 Agreement includes a provision which limits the placement of SCE attachments to a maximum of 3% of the

street lights. On February 10, 2017, SCE advised it would no longer execute agreements with a limitation on the number of street lights it can place its attachments on. As a material change, staff is requesting the City Council consider approval of the Agreement in its final form with elimination of the number of street lights SCE may place its attachments on in the future. On March 1, 2017, SCE advised the City must provide an executed copy of the Agreement on or before April 1, 2017 if it wants to purchase the street lights.

Acquisition of the SCE street lights provides the City with an opportunity to control certain costs and potentially reduce the projected funding shortfall in the street light program. Projections for tariff increases (based on historical increases) were included in the financial analysis. However, the City does not have control over SCE's proposed increases to the tariffs in the future. If the actual increases exceed the projected increases, it will negatively impact the projected savings.

## **DISCUSSION**

As street lights are installed in the City, they are currently dedicated to the utility provider. The utility provider owns the street lights and is responsible for operations and maintenance, risk management, knock-down replacements, and energizing the street lights. The two utility providers, SCE and Moreno Valley Utility (MVU), charge the City a monthly tariff to maintain and illuminate approximately 11,500 street lights. Street lights within Moreno Valley are designated under the LS-1 (SCE) or SL-1 (MVU) tariff. This tariff is for utility owned and maintained street lights.

For the past several years, costs to operate the City's street light program have increased. Revenue for the program is collected through parcel charges applied to the property tax bills. Twice the property owners have opposed an increase in the parcel charge to support the increase in costs. The General Fund has been subsidizing the program since fiscal year 2010/11 to ensure the street light program continues to operate.

In March 2012, SCE introduced a program to sell the street lights to its local agencies. SCE closed the program in March 2015. In an effort to control operating costs, the City requested and received a sales price to purchase the street lights. On October 18, 2016, the City Council approved the Agreement in substantial form and directed staff to provide a recommendation on financing alternatives at a subsequent meeting. Since that time, negotiations have continued related to non-substantive terms of the Agreement.

The Light Pole License Agreement (Exhibit F of the Purchase and Sale Agreement), allows SCE to maintain an easement on the street lights for wireless communication devices. The communication devices are used for the collection and relay of data from meters and for the collection, relay, and communication to SCE distribution equipment. SCE will have the ability to install additional attachments for these purposes at no charge.

The Agreement approved by the City on October 18, 2016 limited placement of the attachments to 3% of the street lights. On February 10, 2017, SCE notified the City it will no longer execute agreements which have a limitation on the number of street lights it will be allowed to place future attachments on. This may impact the City's ability to use the street lights for emerging technology applications. However, if the future attachment interferes with the City's existing or planned municipal operations, the location can be disapproved.

In addition, the City has learned the energy efficiency rebates offered through the CPUC may be expiring on December 31, 2017. These rebates have been included in the financial analysis agencies have used to determine whether to proceed with the purchase of the street lights and conversion to LED technology. There are several groups working to see if there will be exceptions or opportunities to grandfather in those cities in the process of acquiring their street lights. In the event those efforts are unsuccessful, the impact will reduce Moreno Valley's original estimated savings of street light ownership and conversion to LED by \$1.5 million, reducing the City's estimated potential savings from \$8 million to \$6.5 million over a 20-year time period.

On November 3, 2016, the Utilities Commission was updated on the City Council's approval of the Agreement. The Energy Network (non-profit established by CPUC) made a presentation on LED lighting to the Utilities Commission on December 14, 2016.

SCE was asked to execute the Agreement prior to final Council action, but they refused requesting that the City take action on it first. Consequently until the Agreement is executed by SCE, other changes may be proposed by them. If those changes are consequential, the Agreement will be brought back to City Council for another consideration.

As part of its regional street light program, the Western Regional Council of Governments (WRCOG) has developed a financing vehicle for street light acquisition and conversion to LED technology. PFM (WRCOG's financial advisor) made a presentation on the program to the Finance Subcommittee on December 7, 2016. After discussing alternative financing options during its February 2, 2017 meeting, the Finance Subcommittee directed staff to pursue WRCOG's street light financing and to return to the Finance Subcommittee with the financing terms.

## **ALTERNATIVES**

1. Approve the final Purchase and Sale Agreement, including the Light Pole License Agreement, with Southern California Edison to acquire the street lights and related recommended actions as presented in this staff report. *Staff recommends this alternative. Acquiring the SCE street lights will enhance the City's ability to control operations and maintenance costs, reduce the funding shortfall, and allow for a greater cost savings through conversion to emerging energy efficiency technologies.*
2. Do not approve the Purchase and Sale Agreement with Southern California Edison. *Staff does not recommend this alternative as it may minimize the City's ability to*

*control costs in its street lighting program and limit its ability to use street lights for emerging technologies.*

## **FISCAL IMPACT**

The not-to-exceed purchase price of the street lights is \$4,950,090. At the Finance Subcommittee's direction, staff is working with WRCOG's financing team to finance the purchase of the street lights.

Although the purchase of the lights may reduce operation costs, it is highly likely the General Fund will still be required to provide annual funding for the operation of the street lights.

## **NOTIFICATION**

Posting of the agenda.

## **PREPARATION OF STAFF REPORT**

Prepared By:  
Candace E. Cassel  
Special Districts Division Manager

Department Head Approval:  
Ahmad R. Ansari, P.E.  
Public Works Director/City Engineer

Concurred By:  
Jeannette Olko  
Electric Utility Division Manager

Department Head Approval:  
Marshall Eyeran  
Chief Financial Officer/City Treasurer

## **CITY COUNCIL GOALS**

**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

**Positive Environment.** Create a positive environment for the development of Moreno Valley's future.

**Community Image, Neighborhood Pride and Cleanliness.** Promote a sense of community pride and foster an excellent image about our City by developing and executing programs which will result in quality development, enhanced neighborhood preservation efforts, including home rehabilitation and neighborhood restoration.

## **CITY COUNCIL STRATEGIC PRIORITIES**

1. Economic Development
2. Public Safety
3. Library
4. Infrastructure
5. Beautification, Community Engagement, and Quality of Life
6. Youth Programs

Objective 4.4: Control Street Lighting costs.

**ATTACHMENTS**

- 1. Purchase and Sale Agreement
- 2. Lightpole License Agreement
- 3. Street Light Valuation, updated October 13, 2016
- 4. City Council Staff Report, October 18, 2016

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	3/02/17 4:02 PM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 3:09 PM
City Manager Approval	<u>✓ Approved</u>	3/08/17 4:09 PM



## PURCHASE AND SALE AGREEMENT

THIS PURCHASE AND SALE AGREEMENT (this “Agreement”) is made and entered into as of [REDACTED], 2016 (“Effective Date”), by and between SOUTHERN CALIFORNIA EDISON, a California corporation (“SCE”), and the City of Moreno Valley, a Municipal Corporation (“Buyer”). SCE and Buyer are referred to herein individually as a “Party,” and together as “Parties”.

### RECITALS

- A. SCE currently owns [REDACTED] ([REDACTED]) LS-1 electric streetlight facilities located in the City of Moreno Valley, of which, [REDACTED] ([REDACTED]) are to be purchased by Buyer.
- B. Buyer has expressed a desire to purchase the Facilities (defined below) from SCE, and SCE is willing to sell the Facilities to Buyer, on the terms and conditions set forth in this Agreement.

### AGREEMENT

NOW, THEREFORE, in consideration of the respective covenants and agreements contained in this Agreement, SCE and Buyer each agree as follows:

- DEFINITIONS.** The following terms shall have the meanings ascribed to them below for purposes of this Agreement.

“**Agreement**” has the meaning given in the first paragraph.

“**Applicable Requirements**” means all laws, statutes, ordinances, rules, regulations, requirements or orders of any Governmental Authority now in force or that may later be in force, and the terms and conditions of any permit, certificate, license or other requirement.

“**Bill of Sale**” means a document setting forth the Purchase Price and Severance Costs as well as any Taxes for which Buyer is responsible with respect to the Facilities specified to be transferred to Buyer in each Phase (including Reconfigured Facilities in the final Phase), which document shall be substantially in the form of **Exhibit B** attached hereto.

“**Business Day**” means a day other than Saturday, Sunday or a day on which (i) banks are legally closed for business in the State of California; or (ii) SCE is closed for business.

“**Buyer**” has the meaning given in the preamble paragraph.

“**CEQA**” has the meaning given in Section 5.2.

“**Claims**” has the meaning given in Section 7.1.

“**Commencement**” has the meaning given in Section 6.2.

“**Commencement Date**” has the meaning in Section 6.1.

“**CPUC**” means the California Public Utilities Commission, or its regulatory successor, as applicable.

“**CPUC Approval**” means a final, unconditional and unappealable decision of the CPUC under Section 851 of the Public Utilities Code (including exhaustion of all administrative and judicial remedies or the running of time periods and statutes of limitation for rehearing and judicial review without rehearing or judicial review being sought) approving this Agreement and the transactions contemplated hereby on terms and conditions acceptable to SCE and Buyer, in their good faith discretion, including approval of SCE’s proposed accounting and rate making treatment of the sale in accordance with CPUC’s decisions.

“**CPUC Approval Date**” means the date on which the CPUC Approval occurs.

“**Effective Date**” has the meaning given in the preamble paragraph.

“**Environmental Requirements**” means any applicable federal, state and local statutes, regulations or ordinances now in force or that may later be in force relating to the protection of human health or safety, or regulating or relating to industrial hygiene or environmental conditions, or the protection of the environment, or pollution or contamination of the air, soil, surface water or ground water, including federal, state and local laws, requirements and regulations pertaining to reporting, licensing, permitting, investigating and remediating emissions, discharges, releases or threatened releases of such substances into air, surface water or land, or relating to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of such substances. Environmental Requirements include without limitation: the Comprehensive Environmental Response, Compensation, and Liability Act (42 U.S.C. 9601 et seq.); the Hazardous Materials Transportation Act (49 U.S.C. 5101 et seq.); and the Resource Conservation and Recovery Act (42 U.S.C. 6901et seq.)

“**Excluded Taxes**” means (a) taxes (other than any sales, use, gross receipts, or any taxes in the nature of sales, use or gross receipts taxes) imposed on SCE that are capital gains taxes, minimum or alternative minimum taxes, accumulated earnings taxes, franchise taxes or taxes on or measured by gross or net income, capital or net worth of SCE; and (b) personal property taxes to the extent the payment is addressed in Section 3.3(b), and is not required to be reimbursed to SCE by Buyer.

“**Facilities**” has the meaning given in Section 2.2 and further described in Exhibit A.

“**Governmental Authority**” means any federal, state, local or other governmental, regulatory or administrative agency, commission, department, board, subdivision, court, tribunal, or other governmental arbitrator, arbitral body or other authority, but excluding Buyer.

“**Hazardous Substances**” means any hazardous or toxic material or waste, which is or becomes regulated by Environmental Requirement. Without limiting the generality of the foregoing, Hazardous Substances includes any material or substance: (a) now or hereafter defined as a “hazardous substance,” “hazardous waste,” “hazardous material,” “extremely hazardous waste,” “restricted hazardous waste” or “toxic substance” or words of similar import under any applicable Environmental Requirements; or (b) which is toxic, explosive, corrosive, flammable, infectious, radioactive, carcinogenic, mutagenic or otherwise hazardous, and is now or hereafter regulated as Hazardous Substance by the United States, the State of California, any local governmental authority or any political subdivision thereof, or which cause or are listed by the State of California as being known to the State of California to cause, cancer or reproductive toxicity; or (c) the presence of which poses or threatens to pose a hazard to the health or safety of persons or the environment; or (d) which contains gasoline, diesel fuel or other petroleum hydrocarbons; or (e) which contains lead-based paint or other lead contamination, polychlorinated biphenyls (“PCBs”), or asbestos or asbestos-containing materials or urea formaldehyde foam insulation; or (f) which contains radon gas; or (g) fuel or chemical storage tanks, energized electrical conductors or equipment, or natural gas transmission or distribution pipelines; and (h) other potentially hazardous substances, materials, products or conditions.

“**Inventory, Planning and Inspection Activities**” means the activities referenced in Section 6.2(a) and set forth in Exhibit D to be performed by Buyer and SCE during the Inventory, Planning and Inspection Period.

“**Inventory, Planning and Inspection Period**” has the meaning set forth in Section 6.2(a). ”

“**Land**” means the real property on which the Facilities are located, together with any other real property that is encumbered by Land Rights.

“**Land Rights**” means the easements, leases, permits, franchise agreements or other agreements that grant SCE the right to locate the Facilities on the Land and/or permit access to the Facilities by SCE.

“**Local Service Planning Office**” means SCE’s local service planning office located at [REDACTED].

“**Phase**” means the [REDACTED] ( [REDACTED] ) periods of [REDACTED] ( [REDACTED] ) months each, during which the Parties will undertake certain activities as set forth in this Agreement with regard to

the Facilities identified in each such Phase in **Exhibit C**. The Parties may mutually agree at any time to change the Phase Commencement Date and/or the Phase Closing Date for any or all Phases.

**“Phase Commencement Date”** means the first day of each Phase as set forth in **Exhibit C**.

**“Phase Completion”** means the completion of all activities for each Phase as set forth in Sections 6.2 and 6.4 of this Agreement.

**“Phase Closing Date”** means the last day of each Phase as set forth in **Exhibit C** on which the closing of the purchase and sale of the Facilities in such Phase shall occur.

**“Potential Environmental Hazards”** means electric fields, magnetic fields, electromagnetic fields, electromagnetic radiation, power frequency fields, and extremely low frequency fields, however designated, and whether emitted by electric transmission lines, other distribution equipment or otherwise.

**“Purchase Price”** has the meaning given in Section 3.1.

**“Reconfigured Facilities”** means any additional facilities the Parties identify during the Inventory, Planning and Inspection Period of any Phase which serve purposes in addition to street lighting, which the Parties agree that SCE will reconfigure to remove such other (non-street light) uses, and which will be purchased by Buyer from SCE in the final Phase. Buyer shall coordinate all activities relating to Reconfigured Facilities with SCE’s Local Service Planning Office.

**“SCE Parties”** means SCE, its affiliates, and each of their respective past, present and future officers, directors, partners, employees, agents, representatives, shareholders, attorneys, affiliates, parent and subsidiary corporations, divisions, insurance carriers, heirs, legal representatives, beneficiaries, executors, administrators, predecessors, transferees, successors and assigns.

**“Severance Activities”** means the activities referenced in Section 6.2(a) and set forth in **Exhibit D** to be performed by SCE and Buyer during each Phase (after the applicable Inventory, Planning and Inspection Period expires) with respect to the Facilities to be transferred from SCE to Buyer in such Phase.

**“Severance Costs”** has the meaning in Section 3.2.

**“Tax Claim”** has the meaning given in Section 3.3(e).

**“Taxes”** mean all federal, state, local or foreign income, ad valorem, gross receipts, license, payroll, employment, excise, stamp, occupation, premium, windfall profits, environmental, customs duties, capital stock, franchise, profits, withholding, social security (or similar), unemployment, disability, real property including assessments, special assessments, special district assessments, escape assessments, benefit

assessments and maintenance assessments, fees or other charges or surcharges of any nature based on the use or ownership of real property), personal property, sales, use, documentary transfer, registration, value added, alternative and add-on minimum, estimated taxes, and all other taxes of any kind whatsoever, including all interest, penalties, fines and additions thereto, whether disputed or not, including all items for which liability arises as a transferee or successor-in-interest.

## 2. **PURCHASE AND SALES OF FACILITIES.**

**2.1 Purchase and Sale.** Subject to the terms and conditions of this Agreement, SCE agrees to sell, convey, assign, transfer and deliver to Buyer, and Buyer agrees to purchase and acquire from SCE, all of SCE's right, title and interest in the Facilities.

**2.2 Description of Facilities.** The "Facilities" consist of [REDACTED] ( [REDACTED] ) electric streetlight facilities owned by SCE and located within the Buyer's service territory. A detailed description and listing of the Facilities to be purchased and sold is provided **Exhibit A**. The Parties believe that **Exhibit A** contains a reasonably accurate inventory and map of the LS-1 streetlight facilities owned by SCE within the Buyer's service territory that are considered for sale.

## 3. **PURCHASE PRICE AND OTHER COSTS.**

**3.1 Purchase Price.** Subject to adjustment as provided in this Section 3.1, the total purchase price for all Facilities described in **Exhibit A** ("**Purchase Price**") is [REDACTED] Dollars (\$ [REDACTED] ).

(a) The Parties shall mutually agree on the Purchase Price, Severance Costs and any additional costs for any Reconfigured Facilities transferred to Buyer in the final Phase in accordance with Section 6.2(b).

(b) If, within thirty (30) days after the Phase Closing Date for the final Phase, the Parties determine that the number of Facilities that have been transferred to Buyer pursuant to this Agreement does not equal [insert # of Facilities the first Recital of the Agreement says are to be transferred] then, within sixty (60) days after the Phase Closing Date for the final Phase, the Parties will amend the Bill of Sale for the final Phase to increase or decrease the Purchase Price, as appropriate, using the dollar amount of SCE's average price for each type of streetlight facility in the Buyer's municipality (concrete poles will be valued at SCE's average price for concrete poles, steel poles will be valued at SCE's average price for steel poles, wood poles will be valued at SCE's average price for wood poles, and fiberglass poles will be valued at SCE's average price for fiberglass poles).

**3.2 Severance Costs.** In addition to the Purchase Price, Buyer shall pay to SCE thirty dollars (\$30.00) for every sellable pole to be transferred listed in the final bill

of sale, which shall represent SCE's good faith estimate of the cost of SCE's Severance Activities with respect to the Facilities ("**Severance Costs**"). Buyer shall pay the Severance Costs in   equal installments, as invoiced by SCE in each Phase.

### 3.3 Taxes.

(a) Except for any Excluded Taxes for which Buyer will have no liability, Buyer shall pay all Taxes arising in connection with the sale and transfer of the Facilities, this Agreement or the transactions contemplated herein, or the receipt of the Purchase Price or other amounts hereunder, which Taxes are levied or imposed on or with respect to SCE, Buyer or all or any part of the Facilities or any use thereof on or after the applicable Phase Closing Date.

(b) State and local personal property Taxes relating to the Facilities for the tax year (ending June 30) will be prorated between Buyer and SCE on the following basis: SCE is to be responsible for all such Taxes for the period up to the Phase Closing Date for such Facilities; and Buyer is responsible for all such Taxes for the period on and after the Phase Closing Date for such Facilities. All Taxes assessed on an annual basis will be prorated on the assumption that an equal amount of Taxes applies to each day of the year, regardless of how many payments are billed or made, except that Buyer will bear all supplemental or other state and local personal property Taxes with arise out of change in ownership of the Facilities. In addition, Buyer acknowledges that the Facilities are assessed by the California State Board of Equalization as of January 1 of each year, and, if the Phase Closing Date occurs between January 1 and June 30, SCE must pay personal property taxes arising out of the ownership of the Facilities for the subsequent fiscal year. If the Phase Closing Date occurs between January 1 and June 30, Buyer will deposit with SCE the full amount to pay personal property taxes for the tax year beginning on July 1, in addition to the prorated amount of personal property taxes for the current tax year (ending June 30), and SCE will pay the personal property taxes for these tax years before they become delinquent; provided however, SCE may pay such taxes in installments as permitted by law. If the personal property tax amounts owing for the tax year beginning on July 1 are not available as of the Phase Closing Date, then the amount due from Buyer to SCE for such tax year will be estimated on the basis of the prior year's personal property taxes and such amount will be subject to adjustment after the Phase Closing Date. If the Phase Closing Date occurs between July 1 and December 31, Buyer will deposit with SCE the prorated amount of personal property taxes for the tax year in which the Phase Closing Date occurs and SCE will pay the personal property taxes for such tax year before they become delinquent; provided however, SCE may pay such taxes in installments as permitted by law.

(c) SCE will be entitled to any refunds or credits of Taxes relating to the Facilities that are allocable to the period prior to the Phase Closing Date. Buyer



will promptly notify and forward to SCE the amounts of any such refunds or credits to SCE within five (5) Business Days after receipt thereof. Buyer will be entitled to any refund or credit of Taxes relating to the Facilities that are allocable to the period on and after the Phase Closing Date. SCE agrees to reasonably cooperate with Buyer's efforts to obtain such refund or credit.

(d) After each Phase Closing Date, Buyer will notify SCE in writing, within five (5) Business Days after Buyer's receipt of any correspondence, notice or other communication from a taxing authority or any representative thereof, of any pending or threatened tax audit, or any pending or threatened judicial or administrative proceeding that involves Taxes relating to the Facilities for the period prior to the Phase Closing Date, and furnish SCE with copies of all correspondence received from any taxing authority in connection with any audit or information request with respect to any such Taxes relating to the Facilities for the period prior to the Phase Closing Date.

(e) Notwithstanding any provision of this Agreement to the contrary, with respect to any claim for refund, audit, examination, notice of deficiency or assessment or any judicial or administrative proceeding that involves Taxes relating to the Facilities for the period either entirely prior to the Phase Closing Date or both prior to and after the Phase Closing Date (collectively, "**Tax Claim**"), the Parties will reasonably cooperate with each other in contesting any Tax Claim, including making available original books, records, documents and information for inspection, copying and, if necessary, introduction as evidence to any such Tax Claim contest and making employees available on a mutually convenient basis to provide additional information or explanation of any material provided hereunder with respect to such Tax Claim or to testify at proceedings relating to such Tax Claim. SCE will control all proceedings taken in connection with any Tax Claim that pertains entirely to the period prior to the Phase Closing Date, and SCE and Buyer will jointly control all proceedings taken in connection with any Tax Claim pertaining to the period both prior to and after the Phase Closing Date. Buyer has no right to settle or otherwise compromise any Tax Claim which pertains entirely to the period prior to the Phase Closing Date; and neither Party has the right to settle or otherwise compromise any Tax Claim which pertains to the periods both prior to and after the Phase Closing Date without the other Party's prior written consent.

(f) The obligations of the Parties pursuant to this Section 3.3 shall survive the termination of this Agreement.

#### 4. **CONDITIONS PRECEDENT**

- 4.1 **Conditions to Buyer's Obligations.** Buyer's obligation under this Agreement to purchase the Facilities is subject to the fulfillment or waiver of each of the following conditions precedent:

(a) SCE shall have performed or complied in all material respects with all covenants, agreements and conditions contained in this Agreement to be performed or complied with by SCE at or prior to the Commencement Date and each Phase Closing Date.

(b) The City Council shall have identified and approved a structured financing plan to pay the Purchase Price and Severance Costs. The terms of a feasible financing shall be determined solely by the City Council.

(c) No suit, action or other proceeding shall be pending before any court or Governmental Authority which seeks to restrain or prohibit any of the transactions contemplated by this Agreement or to obtain material damages or other material relief in connection with this Agreement or the transactions contemplated hereby.

**4.2 Conditions to SCE's Obligations** SCE's obligation under this Agreement to sell the Facilities to Buyer is subject to the fulfillment or waiver of each of the following conditions precedent:

(a) Buyer shall have performed or complied in all material respects with all covenants, agreements and conditions contained in this Agreement to be performed by Buyer at or prior to the Commencement and each Phase Closing.

(b) No suit, action or other proceeding shall be pending before any court or Governmental Authority which seeks to restrain or prohibit any of the transactions contemplated by this Agreement or to obtain material damages or other material relief in connection with this Agreement or the transactions contemplated hereby.

**4.3 CPUC Approval**. The obligation of each Party to consummate the purchase and the sale of the Facilities is conditioned upon obtaining CPUC Approval. SCE agrees to make reasonable efforts to draft and file an application seeking CPUC approval within ninety (90) days following the Effective Date of this Agreement. Buyer agrees to cooperate with SCE's efforts to obtain CPUC Approval, including by promptly reviewing and commenting on the application for CPUC Approval. Buyer acknowledges and agrees that SCE makes no representation or warranty with respect to the likelihood of obtaining CPUC Approval, and Buyer hereby waives all Claims against SCE that may arise as a result of the need for CPUC Approval or SCE's failure to obtain CPUC Approval.

**4.4 Satisfaction or Waiver of Conditions Precedent**. Buyer may waive in writing any of the conditions precedent set forth in Section 4.1, and SCE may waive in writing any of the conditions precedent set forth in Section 4.2. Neither Party shall have the right to waive the condition precedent set forth in Section 4.3. Subject to the foregoing, in the event that any of the conditions precedent set



forth in Section 4.1 or Section 4.2 have not been satisfied or waived on or before the Commencement Date or any Phase Closing Date (as the same may be extended), then the Party whose obligations are subject to such condition precedent shall have the right to rescind this Agreement ab initio upon written notice to the other Party, and SCE and Buyer shall thereupon return to the other Party all performances received from the other Party (except for the Severance Costs actually paid), and each Party shall be released from all other obligations under this Agreement, except those which expressly survive termination.

## 5. CONDITION OF FACILITIES AND LAND RIGHTS

### 5.1 Compliance with Applicable Requirements and Governmental Approvals.

Except for CPUC Approval, Buyer is solely responsible for complying, at Buyer's sole expense, with all Applicable Requirements and obtaining all authorizations, consents, licenses, permits and approvals of Governmental Authorities and third persons in connection with the consummation of the transactions contemplated by this Agreement and with Buyer's operation of the Facilities, whether as result of the PCB content or otherwise. Without limiting the foregoing, Buyer is responsible for any costs of complying with the California Environmental Quality Act ("CEQA"), if and to the extent applicable to the sale and transfer of the Facilities, and satisfying, at Buyer's sole expense, any and all mitigation measures under CEQA that may apply to Buyer's acquisition or operation of the Facilities. Buyer shall promptly notify SCE of any and all mitigation measures that may affect SCE. If SCE determines in good faith that any such mitigation measures may adversely affect SCE, SCE shall have the right without liability to Buyer to terminate this Agreement upon written notice to Buyer. In the event of such termination, SCE and Buyer shall each be released from all obligations under this Agreement, except those that expressly survive termination. Buyer's obligations under this Section 5.1 shall survive the termination of this Agreement.

### 5.2 Disclosure Regarding Hazardous Substances. SCE hereby discloses to Buyer that Potential Environmental Hazards and Hazardous Substances, including PCBs, may be present at, in, on, under, about, contained in, or incorporated in the Facilities. Buyer represents that it is purchasing the Facilities for Buyer's own use, and not for resale (provided that Buyer contemplates that Buyer may transfer title to the Facilities in connection with financing and/or refinancing of the Facilities). If Buyer sells the Facilities, or any part thereof, it shall disclose, in writing, to all potential Buyers, prior to the sale, that Potential Environmental Hazards and Hazardous Substances, including PCBs, may be present at, in, on, under, about, contained in, or incorporated in the Facilities, or portions thereof. Further, in the event the Facilities (or any portion thereof) are sold, conveyed or transferred in any manner to a person other than SCE, Buyer shall incorporate in the agreement effectuating such transfer, language substantially in the same form as this paragraph. Buyer's obligations under this Section 5.3 shall survive the termination of this Agreement. Notwithstanding anything to the contrary set forth in this Agreement, SCE approval shall not be

required for any conveyance of the Facilities, whether or not such conveyance is made in connection with a financing or refinancing of the Facilities or any part thereof.

SCE further discloses the following PROPOSITION 65 WARNING: The Safe Drinking Water and Toxic Enforcement Act of 1986, commonly referred to as Proposition 65, requires the governor to publish a list of chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. It also requires California businesses to warn the public of potential exposures to these chemicals that result from their operations. Some of the facilities to be transferred include wooden poles that have been treated with chemical preservatives. These chemicals include pentachlorophenol, which is known to the State of California to cause cancer, and petroleum products such as diesel fuel, which contains chemicals including toluene and benzene that are known to the State of California to cause cancer and birth defects or other reproductive harm. Buyer specifically acknowledges these warning and disclosure and understands that it is responsible for ensuring appropriate personal protective equipment is used by Buyer's employees, agents or contractors coming into contact with wooden poles.

**5.3 Disclaimers Regarding the Facilities and the Land.** BUYER ACKNOWLEDGES THAT IT IS RELYING UPON ITS OWN INDEPENDENT INVESTIGATION IN DECIDING TO PURCHASE THE FACILITIES. BUYER EXPRESSLY DISCLAIMS RELIANCE ON ANY REPRESENTATIONS, WARRANTIES OR GUARANTIES, EITHER EXPRESS OR IMPLIED, BY SCE, ITS OFFICERS, DIRECTORS, COUNSEL, REPRESENTATIVES OR AGENTS. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, SCE EXPRESSLY DISCLAIMS ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, AS TO THE CONDITION, VALUE OR QUALITY OF THE FACILITIES, THE PROSPECTS (FINANCIAL AND OTHERWISE) OF THE FACILITIES, THE QUALITY OF WORKMANSHIP OF THE FACILITIES, OR THE ABSENCE OF ANY DEFECTS THEREIN, WHETHER LATENT OR PATENT. SCE FURTHER SPECIFICALLY DISCLAIMS ANY REPRESENTATION OR WARRANTY REGARDING POTENTIAL ENVIRONMENTAL HAZARDS, THE PRESENCE OF HAZARDOUS SUBSTANCES, COMPLIANCE OF THE FACILITIES OR THE LAND WHERE THE FACILITIES ARE LOCATED WITH ENVIRONMENTAL REQUIREMENTS, OR LIABILITY OR POTENTIAL LIABILITY ARISING UNDER ENVIRONMENTAL REQUIREMENTS. NO SCHEDULE OR EXHIBIT TO THIS AGREEMENT, NOR ANY OTHER MATERIAL OR INFORMATION PROVIDED BY OR COMMUNICATIONS MADE BY SCE, WILL CAUSE OR CREATE ANY REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, SCE EXPRESSLY DISCLAIMS: (A) ANY IMPLIED OR EXPRESS WARRANTY OF MERCHANTABILITY; (B) ANY IMPLIED OR EXPRESS WARRANTY OF

FITNESS FOR A PARTICULAR PURPOSE; AND (C) ANY IMPLIED OR EXPRESS WARRANTY OF CONFORMITY TO MODELS OR MATERIALS.

- 5.4 **“AS IS” SALE.** THE FACILITIES ARE BEING TRANSFERRED “AS IS, WHERE IS, AND WITH ALL FAULTS” IN THEIR EXISTING CONDITION, WITHOUT ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND BY SCE, EXPRESS, IMPLIED OR STATUTORY, AND WITHOUT RECOURSE AGAINST SCE.
- 5.5 **Specific Disclaimer Regarding Land Rights.** BUYER SPECIFICALLY ACKNOWLEDGES AND AGREES THAT SCE IS NOT ASSIGNING OR OTHERWISE TRANSFERRING ITS RIGHT, TITLE AND INTEREST IN AND TO ANY LAND RIGHTS (OR ANY CLAIM, RIGHT OR BENEFIT ARISING UNDER OR RESULTING FROM SUCH LAND RIGHTS) IN CONNECTION WITH ITS SALE OF THE FACILITIES TO BUYER, AND BUYER ASSUMES ANY AND ALL RISKS AND LIABILITIES IN CONNECTION WITH THE ABSENCE OF ADEQUATE OR APPROPRIATE LAND RIGHTS.
- 5.6 **Maintenance of Facilities Pending Commencement.** From the Effective Date until the Phase Closing Date, SCE will, at its expense, operate and maintain the Facilities in accordance with SCE’s rate “Schedule LS-1 LIGHTING - STREET AND HIGHWAY - UNMETERED SERVICE COMPANY-OWNED SYSTEM,” and consistent with SCE’s custom and past practices.
- 5.7 **New Facilities.** Until the Commencement Date, SCE may continue to install new streetlights in the City of Moreno Valley in accordance with SCE’s standard practices and tariffs and CPUC rules and regulations.
6. **COMMENCEMENT AND POST-COMMENCEMENT ACTIVITIES.**
- 6.1 **Commencement Date.** The “**Commencement Date**” shall be the date that is sixty (60) days after the CPUC Approval Date or after the approval of a financing plan by the City Council, whichever occurs later. The application seeking CPUC Approval will request such approval within six months of the date the application is filed. SCE makes no representations as to when or in what manner the CPUC will act on the application.
- 6.2 **The Phases.** The first Phase shall commence on the Commencement Date (“**Commencement**”), and each successive Phase shall follow consecutively thereafter or on such earlier date as mutually agreed by the Parties as to the Facilities identified for each Phase in **Exhibit C**. The Parties shall take the following actions during each Phase for the Facilities to be transferred to Buyer in such Phase:
- (a) For a period not to exceed four (4) months following the commencement of each Phase (each, an “**Inventory, Planning and Inspection Period**”), the Parties will perform their respective Inventory, Planning and Inspection

- Activities set forth in **Exhibit D**, including identifying any Reconfigured Facilities. For each Phase, SCE's Local Service Planning office shall provide written notice to Buyer before the expiration of the Inventory, Planning and Inspection Period identifying any potential Reconfigured Facilities and stating the work necessary to reconfigure such facilities for sale to Buyer and the estimated time and cost to complete the work ("Reconfigured Facilities Notice").
- (b) For a period of ten (10) Business Days following Buyer's receipt of the Reconfigured Facilities Notice, Buyer shall have the right to accept or reject the Reconfigured Facilities described in the Reconfigured Facilities Notice, which acceptance or rejection shall be evidenced by a written notice delivered to SCE's Local Service Planning Office.
  - (c) At any time prior to the applicable Phase Closing Date, each Party shall perform and complete its respective Severance Activities for all Facilities in the applicable Phase, excepting only the Reconfigured Facilities identified in the Reconfigured Facilities Notice for that Phase, which Reconfigured Facilities shall be added to the final Phase. Prior to or during the final Phase, each Party shall perform and complete its respective Severance Activities for any Reconfigured Facilities.
  - (d) Not later than thirty (30) days prior to each Phase Closing Date, SCE shall deliver to Buyer an original Bill of Sale duly executed by SCE. The Parties agree that delivery of the Bill of Sale shall be effective upon the earlier of (i) delivery to Buyer by hand of an original Bill of Sale or (ii) Buyer's receipt of a facsimile or other electronic transmission of the Bill of Sale. If delivery is made by facsimile or other electronic transmission, SCE shall concurrently send the original Bill of Sale to Buyer by registered or certified mail or overnight courier.
  - (e) At any time prior to any Phase Closing Date, Buyer may elect at its sole and absolute discretion to remove any of the Facilities (except for Reconfigured Facilities) from any Phase and deduct on a pro rata basis the value of such Facilities from the Purchase Price.
  - (f) By each Phase Closing Date, Buyer shall pay to SCE in U.S. dollars the Purchase Price, Severance Costs, and the Taxes (but not Excluded Taxes) for the Facilities to be transferred to Buyer in such Phase.
  - (g) After completion of the final Phase, SCE's Local Service Planning Office will invoice Buyer separately for any Reconfigured Facilities.
- 6.3 Assumption of Liabilities.** On each Phase Closing Date, Buyer will assume all obligations and liabilities of any kind or nature whatsoever related to, arising

from, or associated with ownership or possession of the Facilities transferred to Buyer in such Phase.

#### **6.4 Post-Phase Activities.**

- (a) Within ninety (90) days after each Phase Closing Date, but effective as of each such Phase Closing Date, SCE will change the charge for electricity furnished to the Facilities transferred to Buyer in such Phase from the Streetlight Rate Schedule LS-1 to the Streetlight Rate Schedule "LS-2 LIGHTING - STREET AND HIGHWAY CUSTOMER-OWNED INSTALLATION - UNMETERED SERVICE" Multiple Service – Rate B and provide written notice to Buyer of such change ("Notice of Rate Change").
- (b) Within ninety (90) days after each Phase Closing Date, SCE shall provide an updated map and inventory of the Facilities transferred pursuant to such Phase to Buyer.

**6.5 Prohibition on Connecting Non-Conforming Load.** Buyer acknowledges and agrees that Buyer's purchase of the Facilities does not entitle Buyer to connect non-conforming load to the Facilities or supporting circuits beyond SCE's initial point of connection. If Buyer wishes to connect such non-conforming load, Buyer agrees to comply with SCE's applicable filed tariffs.

### **7. RELEASE.**

**7.1 Release.** Buyer, for itself, and for any future owners of all or a part of the Facilities, and each of their respective predecessors, successors, assigns, licensees, officers, directors, employees, agents, partners, shareholders, transferees, parent and subsidiary corporations, legal representatives, heirs, beneficiaries, executors and administrators hereby fully and forever releases, discharges and covenants not to sue the SCE Parties of, from or for any and all losses (including diminution in the value of the Land) and all other costs, claims, demands, actions, suits, orders, causes of action, obligations, controversies, debts, expenses, accounts, damages (including consequential or direct damages), judgments and liabilities of whatever kind or nature (including fines and civil penalties), and by whomsoever asserted, in law, equity or otherwise, whether known or unknown, (each a "**Claim**" and, collectively, "**Claims**") arising from or in any way connected with the Facilities, Claims relating to Potential Environmental Hazards, and Claims relating to the presence of PCBs or any other Hazardous Substances in the Facilities, and/or in, on or about the Land.

**7.2 Waiver of Civil Code § 1542.** With respect to the matters being released in Paragraph 7, and as to those matters only, Buyer does knowingly, after having first obtained the advice of its attorneys, waive all of the provisions of California Civil Code § 1542 ("Section 1542"). Section 1542 reads as follows:



“A general release does not extend to claims which the creditor does not know or suspect to exist in his or her favor at the time of executing the release, which if known by him or her must have materially affected his or her settlement with the debtor.”

Buyer acknowledges and agrees that: (a) the releases set forth in Paragraph 7 are intended to extend to and extinguish all claims, causes of action, etc. that are encompassed within the terms of the releases, including those that are not presently known to or suspected by Buyer and (b) it may hereafter discover facts in addition to or different from those which it now believes concerning the subject matter of this Agreement, and that notwithstanding any such new or different facts, the releases contained herein will remain effective. Buyer further acknowledges and agrees that the foregoing waiver of Section 1542 is an essential and material term of this Agreement, without which said consideration would not have been given. Buyer has been advised by its legal counsel regarding this release and waiver and understands and acknowledges the significance and consequences of this release and waiver of Section 1542.

**8. INDEMNITY.** Buyer shall, at its sole cost and expense, indemnify, protect, defend and hold the SCE Parties harmless, to the fullest extent permitted by law, from and against any and all Claims (including the payments of damages, both actual and consequential, the payment of penalties and fines, the payment of the actual fees and expenses of experts, attorneys and others, and the payment of the cost of environmental investigations, monitoring, containment, abatement, removal, repair, cleanup, restoration, remedial work and other “response costs” under CERCLA or any other Environmental Requirements) arising from or in any way connected with: (a) any activities or failures to act in connection with this Agreement by Buyer, its employees, agents, or contractors; or (b) the ownership, possession, use or operation of the Facilities transferred to Buyer from and after the Phase Closing Date applicable to such Facilities; or (c) Potential Environmental Hazards relating to the Facilities or the presence, disposal, dumping, escape, seepage, leakage, spillage, discharge, emission, pumping, emptying, injecting, leaching, pouring, release or threatened release of PCBs or any other Hazardous Substances in connection with the Facilities, to the extent such Hazardous Substances were present or affecting the Facilities and/or in, on, or about the Land as of the applicable Phase Closing Date; or (d) the failure of the Facilities to comply with any Applicable Requirements; or (e) Buyer’s breach of any of its obligations under this Agreement. In no event shall Buyer be required to indemnify SCE for any claims to the extent related to the gross negligence or willful misconduct of SCE. If any action or proceeding is brought against any one or more SCE Parties for any Claim against which Buyer is obligated to indemnify or provide a defense hereunder, Buyer, upon written notice from SCE, shall defend the SCE Parties. Buyer’s obligation to defend includes the obligation to defend claims and participate in administrative proceedings, even if they are false or fraudulent. The indemnity, defense and other obligations of Buyer in this Section 8 shall survive the termination of this Agreement.

**9. MISCELLANEOUS.**

- 9.1 Time of Essence.** Time is of the essence of this Agreement and each and every provision hereof.
- 9.2 Force Majeure.** Except for the payment of money when due, performance by either Party hereunder shall not be deemed to be in default, or considered to be a default, where delays or defaults are due to force majeure events beyond the control of such Party, including, without limitation, war, insurrection, strikes, lockouts, riots, floods, earthquakes, fires, casualties, acts of God, acts of the public enemy, epidemics, quarantine restrictions, government imposed moratorium legislation, actions or failures to act by any regulatory authority with jurisdiction over SCE (including the CPUC), freight embargoes, lack of transportation, weather-caused delays, inability to secure necessary labor, materials or tools, delays of any contractor, subcontractor or supplier, that are not attributable to the fault of the Party claiming an extension of time. An extension of time for any such force majeure cause shall be for the period of the enforced delay and shall commence to run from the date of occurrence of the delay; provided, however, that the Party claiming the existence of the delay first provides the other party with written notice of the occurrence of the delay, within ten (10) days of the commencement of such occurrence of a force majeure event and, thereafter, takes prompt and reasonable action within its control to remedy such force majeure event.
- 9.3 Further Assurances.** Each Party hereto agrees to execute and deliver to the other Party such further documents or instruments as may be necessary or appropriate in order to carry out the intentions of the Parties as contained in this Agreement.
- 9.4 Binding Effect; Assignment.** This Agreement shall be binding upon, and shall inure to the benefit of, the heirs, successors and assigns of the Parties hereto. Notwithstanding the foregoing, Buyer shall have no right to assign this Agreement or any of its rights or obligations under this Agreement.
- 9.5 Severability.** If any provision of this Agreement shall be unenforceable or invalid, the same shall not affect the remaining provisions of this Agreement and the provisions of this Agreement are intended to be and shall be severable.
- 9.6 Survival.** The covenants, agreements, obligations, indemnities and releases contained in Sections 3.3, 5, 6.3, 6.4, 6.5, 7 and 8 of this Agreement shall survive the termination of this Agreement.
- 9.7 Governing Laws.** This Agreement shall be governed by, and construed and enforced in accordance with, the laws of the State of California without reference to its conflicts of laws provisions.
- 9.8 Counterparts.** This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

**9.9 Notices.** Any notice or other communication required or permitted under this Agreement shall be in writing and shall be either personally delivered or transmitted by registered or certified mail, return receipt requested, postage prepaid, or by a nationally recognized overnight courier, such as FedEx or Airborne Express, addressed to the Parties as follows:

If to SCE:

If to Buyer:

The date of any notice or communication shall be deemed to be the date of receipt if delivered personally, or the date of the receipt or refusal of delivery if transmitted by mail or overnight courier. Any Party may change its address for notice by giving notice to the other Party in accordance with this Section 9.7.

**9.10 Limitation on Liability.** Buyer expressly agrees that the obligations and liabilities of SCE under this Agreement and any document referenced herein shall not constitute personal obligations of the officers, directors, employees, agents, affiliates, members, representatives, stockholders or other principals or representatives of SCE. SCE expressly agrees that the obligations and liabilities of Buyer under this Agreement and any document referenced herein shall not constitute personal obligations of the officers, directors, employees, agents, affiliates, members, representatives, stockholders or other principals or representatives of Buyer. The limitations contained in this Section 9.9 shall survive the termination of this Agreement.

**9.11 Exhibits.** The following Exhibits are attached hereto and incorporated by reference into this Agreement.

Exhibit A	Description of the Facilities
Exhibit B	Form of Bill of Sale
Exhibit C	Phases
Exhibit D	Inventory, Planning and Inspection Activities
Exhibit E	Communications Equipment
Exhibit F	Pole Attachment License Agreement
Exhibit G	Point of Demarcation Diagrams

**9.12 Dispute Resolution.** In the event any dispute arises concerning the enforcement and/or interpretation of this Agreement, the Parties agree to attempt initially to settle such claims or disputes in good faith between themselves. Said obligation to discuss settlement of such claims or disputes shall be initiated by written notice of such claim or dispute. Should the Parties not settle such claims or disputes within thirty (30) days of the date of mailing of such notice or within



such additional time period to which the Parties agree in writing (the "Negotiation Period"), the Parties may mutually agree to submit any such claim or dispute to mediation. In such case, the Parties will select an independent mediator within thirty (30) days of the expiration of the Negotiation Period (the "Selection Period"), either by mutual agreement or, in the absence of agreement on a mediator, by requesting during the Selection Period that the American Arbitration Association in Riverside, California appoint a mediator. The mediation shall be commenced within thirty (30) days of the selection of a mediator by the Parties or the American Arbitration Association. Except as provided herein or by written agreement of the Parties, the mediation shall be conducted in Riverside pursuant to the rules of the American Arbitration Association. If the Parties are unable to settle the dispute through discussions or in mediation, each Party shall have the right to pursue all of its remedies at law or in equity. The covenants of Buyer and SCE contained in this **Section 9.12** shall survive the termination of this Agreement.

- 9.13 Communications Equipment.** Buyer acknowledges that the Facilities have certain SCE-owned and operated radio equipment, used for the collection and relay of data from meters and the collection, relay, and communication with SCE distribution systems, attached to them as identified in **Exhibit E** ("Communications Equipment"). Concurrently with each Phase Closing Date, Buyer shall grant to SCE a cost-free license to leave in place, operate, maintain, replace and remove any Communications Equipment attached to Facilities included in such Phase pursuant to a Pole Attachment License Agreement.
- 9.14 Interpretation.** The language in all parts of this Agreement shall be construed according to its normal and usual meaning and not strictly for or against either SCE or Buyer. The headings of the paragraphs of this Agreement are inserted solely for convenience of reference and are not a part of and are not intended to govern, limit or aid in the construction of any terms or provisions hereof. The words "include," "includes," and "including" shall be deemed to be followed by the phrase "without limitation."
- 9.15 Authority.** Each Party represents and warrants that the execution, delivery and performance of this Agreement has been duly authorized by such Party and each person signing this Agreement on its behalf is duly and validly authorized to do so.
- 9.16 Prior Agreements.** This Agreement and the exhibits hereto contain the entire agreement and understating of the Parties relating to the subject matter hereto and shall supersede any prior written or oral agreements or communications between the Parties pertaining to such subject matter.

**IN WITNESS WHEREOF**, the Parties hereto have caused this agreement to be duly executed as of the date and year first written above.

[SIGNATURES APPEAR ON FOLLOWING PAGE]

SCE:

SOUTHERN CALIFORNIA EDISON,  
a California corporation

By: \_\_\_\_\_

Its: \_\_\_\_\_

BUYER:

CITY OF MORENO VALLEY,  
a California city and municipal corporation

By: \_\_\_\_\_

Its: \_\_\_\_\_

ATTEST:

\_\_\_\_\_  
City Clerk

**Exhibit A**  
**Description of Facilities**

**Exhibit B**  
**Form of Bill of Sale**

**BILL OF SALE**

Pursuant to that certain Purchase And Sale Agreement, dated \_\_\_\_\_, 2016 (“Agreement”), by and between Southern California Edison, a California corporation (“SCE”), and the City of \_\_\_\_\_, [a Municipal Corporation and Charter City] (“Buyer”), effective as of \_\_\_\_\_, 20\_\_ **[Insert Phase Closing Date]**, SCE hereby sells, assigns, transfers and delivers to Buyer all of SCE’s right, title and interest in and to the property described in Attachment A (“Facilities”), attached hereto and hereby incorporated herein by this reference. All capitalized terms not defined in this Bill of Sale shall have the meanings given them in the Agreement.

THE FACILITIES ARE BEING TRANSFERRED “AS IS, WHERE IS, AND WITH ALL FAULTS” IN THEIR EXISTING CONDITION, WITHOUT ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND BY SCE, EXPRESS, IMPLIED OR STATUTORY, AND WITHOUT RECOURSE AGAINST SCE. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, SCE EXPRESSLY DISCLAIMS ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, AS TO THE CONDITION, VALUE OR QUALITY OF THE FACILITIES, THE PROSPECTS (FINANCIAL AND OTHERWISE) OF THE FACILITIES, THE QUALITY OF WORKMANSHIP OF THE FACILITIES, OR THE ABSENCE OF ANY DEFECTS THEREIN, WHETHER LATENT OR PATENT. SCE FURTHER SPECIFICALLY DISCLAIMS ANY REPRESENTATION OR WARRANTY REGARDING POTENTIAL ENVIRONMENTAL HAZARDS, THE PRESENCE OF HAZARDOUS SUBSTANCES, COMPLIANCE OF THE FACILITIES OR THE LAND WHERE THE FACILITIES ARE LOCATED WITH ENVIRONMENTAL REQUIREMENTS, OR LIABILITY OR POTENTIAL LIABILITY ARISING UNDER ENVIRONMENTAL REQUIREMENTS. BUYER SPECIFICALLY ACKNOWLEDGES AND AGREES THAT SCE IS NOT ASSIGNING OR OTHERWISE TRANSFERRING ITS RIGHT, TITLE AND INTEREST IN AND TO ANY LAND RIGHTS (OR ANY CLAIM, RIGHT OR BENEFIT ARISING UNDER OR RESULTING FROM SUCH LAND RIGHTS) IN CONNECTION WITH ITS SALE OF THE FACILITIES TO BUYER, AND BUYER ASSUMES ANY AND ALL RISKS AND LIABILITIES IN CONNECTION WITH THE ABSENCE OF ADEQUATE OR APPROPRIATE LAND RIGHTS.

This Bill of Sale is executed pursuant to the authorization contained in the order of the California Public Utilities Commission in its Decision No. \_\_\_\_\_, dated \_\_\_\_\_, and is subject to all the terms and conditions of the Agreement, including the provisions set forth above.

The parties represent that they are duly authorized to execute this Bill of Sale.

SOUTHERN CALIFORNIA EDISON COMPANY,  
a California corporation

By: \_\_\_\_\_  
(Name of Business Unit VP)  
(Title of VP)

Accepted and Agreed:

BUYER:

(CUSTOMER NAME),  
CITY OF \_\_\_\_\_,  
[a California municipal corporation]

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

**Exhibit C**  
**Phases**

*(Note: These dates are by way of example only; actual dates are dependent upon CPUC Approval)*

**Exhibit D**  
**Planning, Inspection and Severance Activities**

Section Reference	Activity	SCE Responsibility	City Responsibility
2.2	Provide Buyer with draft phase maps	X	
6.2(a)	Field validation to identify applicable LS-1 Streetlights	X	
6.2(a)	Identify/Confirm Points of Demarcation (POD)	X	
6.2(a)	Confirm every pole in the City has been accounted for	X	
6.2(a)	Confirm actual phase maps and transition timelines	X	X
6.2(a)	Communicate with the Buyer any additional relocation/reconfiguration costs (assets and operational)	X	
6.2(b)	Buyer accepts or refuses any additional relocation/reconfiguration costs (assets and operational)- please see above		X
6.2 (c)	Update the inventory (if applicable)	X	
3.1(c)	Update the Purchase Price for the Final Phase (as applicable if pole count varies by 5% or more)	X	
6.2(a)	Provide revised maps and inventory list to Buyer (if applicable)	X	
6.2(b)	Buyer signs off on updated inventory list (if applicable)		X
6.2(d)	Bill of Sale to Buyer for current Phase	X	
6.2(a)	SCE Pole tag removal	X	
6.2(a)	Buyer installs its pole tags		X
6.2(e)	Buyer payment		X
6.4(a)	Convert from LS-1 to LS-2B rate at completion of each Phase	X	
6.4(b)	Provide updated LS-2 B maps and inventory list to Buyer	X	
6.4(c)	Buyer confirms rate change has gone into effect		X
6.4(d)	Phase is complete	X	X

Except for in the case of Reconfigured Facilities, the Points of Demarcation (POD) are according to the diagrams set forth in Exhibit G.



Exhibit E  
Communications Equipment

**Exhibit G**  
**Point of Demarcation Diagrams**

**LIGHT POLE LICENSE AGREEMENT  
FOR WIRELESS ATTACHMENT  
BETWEEN  
THE CITY OF MORENO VALLEY  
AND  
SOUTHERN CALIFORNIA EDISON**

This No-Fee Light Pole License Agreement (“Agreement”) is made as of [REDACTED], 2017 (“Effective Date”), by and between the City of Moreno Valley, a Municipal Corporation (“Licensor”), and Southern California Edison Company, a California corporation (“Licensee”), individually “Party” and collectively “Parties.”

Licensor herein provides Licensee a no-fee license to attach certain wireless communication equipment to light poles that are owned by Licensor and used by Licensor to provide street lighting services to customers.

The terms and conditions of this Agreement are as follows:

**1. DEFINITIONS**

Terms with the initial letter or letters capitalized, whether in the singular or plural, shall have the following meanings:

a. Applicable Requirement: Any law, code, regulation, ordinance, statute or requirement of a governmental or quasi-governmental authority, regulatory agency or any other similar authority with jurisdiction or control over access to or use of the Light Pole, an Attachment, Work on a Light Pole or operation of an Attachment.

b. Attachment: A wireless communicating device and all of its associated ancillary equipment which are owned and used by Licensee and serve the purpose(s) presently served by those fixtures identified in Exhibit A hereto, specifically the collection and relay of data from meters and the collection, relay, and communication with SCE distribution systems.

c. Custom Light Pole: A specialized light pole, owned and installed by Licensor and paid for by Licensee, for the purposes of accommodating Licensee’s Attachment and for Licensor to provide street lighting services.

d. Equipment: All ancillary equipment owned and utilized by Licensee in connection with an Attachment, and installed on third party property.

e. Light Pole: A Licensor Light Pole or a Custom Light Pole.

f. Licensor Light Pole: A standard light pole owned by Licensor used to provide street lighting services.

g. Work: Any work performed by Licensee relating to an Attachment, including the installation, repair, removal or replacement of the Attachment or Equipment.

## 2. TERM

The initial term of this Agreement shall be ten (10) years, with automatic renewal terms of three (3) years each, provided, however, that either Party may terminate this Agreement by written notice to the other Party (“Termination Notice”). During the initial ten (10) year term the Termination Notice must be given not more than two (2) years and not less than one hundred eighty (180) days prior to the expiration of the initial term. During each subsequent renewal term the Termination Notice must be given not less than two (2) years prior to the expiration of any succeeding term. Upon the issuance of a Termination Notice by either Party, only Licensee’s rights to install Future Attachments as described in this Agreement shall terminate, but Licensee’s rights under this Agreement with regard to then-installed Attachments and Upgraded Attachments shall not terminate.

## 3. ATTACHMENTS

The installed Attachments are listed in Exhibit A hereto. During the term hereof, Licensee shall have the right (i) to upgrade Attachments to new technology that serves the same purpose as the Attachments listed on Exhibit A (“Upgraded Attachments”), and (ii) to install new Attachments that are not listed in Exhibit A (“Future Attachments”), so long as such Upgraded Attachments and Future Attachments serve the same purpose as the Attachments listed on Exhibit A and do not interfere in any manner with any then-existing Licensor equipment. All installations of Upgraded Attachments and Future Attachments shall be performed in in a good and workmanlike manner.

## 4. LICENSEE’S ATTACHMENT RIGHTS

Licensee shall have a no-fee license to use the Attachment for the wireless communications purposes described in the definition of Attachment, and to maintain, remove, repair or replace the Attachment, as described herein (collectively, the “Attachment Rights”). All costs and expenses incurred by Licensee as a result of Licensee’s exercise of its Attachment rights hereunder shall be the sole responsibility of Licensee.

## 5. CONDITIONS AND RESTRICTIONS ON LICENSE RIGHTS

In addition to the other terms and conditions of this Agreement, Licensee’s exercise of its Attachment Rights shall be subject to the following conditions and restrictions:

a. Licensee shall operate its Attachment for wireless communication equipment, with the purposes described in the definition of Attachment.

b. Licensee shall be solely responsible for separately obtaining any electric utility or other services required for operation of its Attachment, if secondary power from the streetlight is inaccessible.

c. Except as set forth in Section 5(f), Licensor shall not be required to modify the Light Pole or its use of the Light Pole to accommodate use by the Licensee.

d. Licensor shall not install any Equipment for the Licensee, Licensee shall be solely responsible for the installation of any Equipment.

e. Except as set forth in Section 5(f), Licensee's rights regarding Upgraded Attachments and/or Future Attachments shall not interfere with Licensor's use of the Light Pole. If an Attachment made under this Agreement interferes with Licensor's ability to use a Light Pole for its purposes, then Licensor will inform the Licensee and Licensee shall remedy the interference in a reasonably prompt period of time after receiving notice of the interference from Licensor.

f. Licensor shall not install any devices, and Licensor shall not allow third parties to install any devices that interfere with Licensee's then existing Attachment. If Licensor interferes with Licensee's wireless communication, then Licensor shall remedy the interference in a reasonably prompt period of time after receiving notice of the interference from Licensee.

g. Prior to commencing any work or activity affecting any Light Pole, Licensee shall provide Licensor with not less than three (3) business days prior notice.

## 6. ATTACHMENT

a. Licensee shall be allowed to install Future Attachments at additional locations under this Agreement upon written approval of Licensor which shall not be unreasonably withheld provided however, ten (10) business days' notice has been provided to Licensor; provided, however, Licensor may disapprove proposed Future Attachments in the event Licensor reasonably determines the proposed Future Attachments may interfere with any existing or planned municipal operations or Licensor equipment. Licensee shall provide Licensor the structure number and address or location description where the Attachment will be installed. For purposes of this paragraph, "planned" shall mean that the City has taken steps towards the identification of future municipal needs relating to attachments on light poles as evidenced by (1) City Council adoption of a plan, program or budget, (2) active negotiations with third parties for the implementation of an administrative plan or program, or (3) expenditure of City resources towards the implementation of any plan or program. City plans or programs that are merely conceptual and for which the City has not expended City resources shall not be considered "planned" for purposes of this paragraph.

b. Licensee shall use commercially reasonable efforts to perform any Work in a manner which will not cause any interruption of Licensor's street-lighting services or

other equipment, or damage Light Poles or Licensor's existing Light Pole attachments or equipment, or damage or interfere with any existing third party Light Pole attachments.

c. All Work shall be performed at Licensee's sole risk and cost and shall be performed in a good and workmanlike manner and Licensee shall indemnify, defend and hold harmless Licensor, its elected officials, staff, directors, invitees, employees, agents, contractors, successors and assigns, from any and all costs, liabilities, claims and expenses, including those from death or injury to any person or from a loss or damage to any real, personal or other property, to the extent arising out of or pertaining to any Work, or any act or failure to act by any of Licensee's employees, agents, or contractors in relation to the Upgraded Attachments and Future Attachments.

d. The performance of any Work shall comply with the requirements for such Work as contained in applicable industry standards, specific work requirements imposed by Licensor or a third party, or in any Applicable Requirements associated with the Work.

e. Upon written notification from Licensor or a government authority that the Attachment or any Equipment is out of compliance with any Applicable Requirement or is unsafe or hazardous, Licensee shall promptly take whatever actions are necessary to come into full compliance with such Applicable Requirements or to remedy the unsafe or hazardous condition, as the case may be. Notwithstanding any other provision of this Agreement, if at any time, in Licensor's sole judgment, an unsafe or dangerous condition exists, Licensor shall immediately notify Licensee and Licensee shall have twenty-four (24) hours from such notice to remedy the unsafe or dangerous condition. If Licensee does not remedy the unsafe or dangerous condition within such twenty-four (24) hour period, then Licensor may correct such condition and notify Licensee of such correction within three (3) business days. If at any time, in Licensor's sole judgment, an imminent threat to human life or safety exists, Licensor may correct such condition and notify Licensee of such correction within three (3) business days.

f. Licensee shall not drill, burn or punch any holes in a Light Pole, without first obtaining written consent from Licensor, which consent shall not be unreasonably withheld. Licensee shall reimburse Licensor for any damage to any Licensor Light Pole in connection with the use, repair, restoration or replacement of a Light Pole by Licensee.

g. Licensee shall follow Licensor's established procedures to request Licensor to replace a Licensor Light Pole with a Custom Light Pole, and Licensee shall be solely responsible for all costs of such request and any resulting replacement.

## **7. REMOVAL OF AN ATTACHMENT FROM A LIGHT POLE**

a. Licensee may at any time remove an Attachment from any Light Pole. Notice of any such removal shall be provided to Licensor within sixty (60) business days after such removal and Licensor's Light Pole shall be repaired and restored to its original condition.

b. Nothing in this Agreement shall be construed to limit Licensor's rights, at any time, to remove a Light Pole from service or to require Licensee to remove its Attachment from a Light Pole that is being removed from service. In the event Licensor requires Licensee to remove its Attachment from a Light Pole that is being removed from service, then Licensor will notify Licensee ninety (90) days prior to the removal and use reasonable efforts to supply Licensee with an alternative Light Pole for such Attachment. Licensee shall complete removal of its Attachment within ninety (90) days of Licensor's request to do so.

c. Whenever Licensee removes an Attachment, Licensee shall restore the Light Pole to its original condition, reasonable wear and tear excepted, except where Licensor notifies Licensee that restoration is unnecessary because the Light Pole is being removed from service or Licensor agrees otherwise.

d. When a Light Pole that contains an existing Attachment is relocated or replaced by Licensor, and there is a suitable other location for a new Light Pole or an existing Light Pole which could be used by Licensee for its Attachment, then Licensor and the Licensee may agree that Licensee may so use the other location or Light Pole and amend Exhibit A to reflect the transfer of Licensee's Attachment Rights. Except in emergency situations, Licensor will notify Licensee ninety (90) days prior to relocation or replacement of Light Pole.

## **8. RISK OF LOSS; RESTORATION OR REPAIR OF LIGHT POLE**

In the event a Light Pole is damaged or destroyed, restoration of Licensor's use of a Light Pole shall take priority over Licensee's restoration of its use; provided, however, that Licensor shall not unreasonably delay Licensee's opportunity to restore the use of its Attachment. Licensor shall permit Licensee to make repairs to restore use of the Attachment, as long as such restoration efforts do not interfere with Licensor's restoration activities. In addition, Licensee shall fully cooperate with Licensor if Licensor performs any repairs or other work on the Light Pole, which work may require a temporary shutdown of Licensee's Attachment. The Licensor shall notify the Licensee at least 48 hours prior to planned repairs that will require a shutdown of the Licensee's Attachment.

## **9. REGULATORY MATTERS**

To the extent that this Agreement is subject to the jurisdiction of any regulatory authority, Licensor and Licensee acknowledge that this Agreement may be subject to such changes, modifications or termination as that regulatory authority may direct from time to time in the exercise of its jurisdiction.

## **10. INDEMNIFICATION AND LIMITATION OF LIABILITY**

a. Licensee shall indemnify, defend and hold harmless Licensor, its elected officials, staff, directors, invitees, employees, agents, contractors, successors and assigns, from any and all costs, liabilities, claims and expenses, including those from death or

injury to any person or from a loss or damage to any real, personal or other property, to the extent arising from any negligent act or omission by Licensee, or by any of Licensee's employees, agents, or contractors in performing this Agreement.

b. Intentionally Omitted.

c. Licensor shall promptly notify the Licensee of the existence of any matters to which Licensee's indemnity obligations apply. Upon demand by Licensor, the Licensee shall defend at its own expense with mutually acceptable counsel any such matter; provided that Licensor shall at all times also have the right to fully participate in the defense and consent to any settlement or compromise.

d. IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY FOR ANY INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES (INCLUDING LOSS OF THE OTHER PARTY'S CUSTOMERS OR GOOD WILL, OR LOST REVENUE OR PROFITS), FOR ANY CAUSE OF ACTION, WHETHER IN CONTRACT OR TORT, ARISING IN ANY MANNER FROM THIS AGREEMENT OR THE PERFORMANCE OR NON -PERFORMANCE OF OBLIGATIONS HEREUNDER, REGARDLESS OF THE CAUSE OR FORESEEABILITY THEREOF.

## 11. TITLE AND RISK OF LOSS

a. Licensor shall have and retain sole and exclusive ownership of all Light Poles, and Licensor's ownership shall not be affected by Licensee's Attachment to the Light Pole.

b. Except as otherwise provided for herein, Licensee shall retain its ownership of the Attachment and any Equipment at all times.

## 12. INSURANCE

At all times during the term of this Agreement, Licensee shall maintain and shall require its subcontractors that perform any Work pursuant to this Agreement to maintain insurance coverage as described below:

a. Worker's Compensation Insurance with statutory limits, in accordance with the laws of the State of California, and Employer's Liability Insurance with limits of not less than one million dollars (\$1,000,000). Licensee shall require its insurer to waive all rights of subrogation against Licensor, its officers, agents and employees.

b. Commercial General Liability Insurance, including coverage for bodily injury, property damage, products/completed operations liability and contractual liability, with a per occurrence limit of not less than two million dollars (\$2,000,000). Such insurance shall (i) name the City of Moreno Valley, Community Services District of Moreno Valley ("CSD") and the Moreno Valley Housing Authority, its officers, agents, and employees as



additional insureds, but only for Licensee's negligent acts or omissions; (ii) be primary for all purposes; and (iii) contain standard cross-liability provisions.

c. Liability and Property Damage Insurance coverage for owned and non-owned automotive equipment operated on City of Moreno Valley/CSD/Moreno Valley Housing Authority premises. Such coverage limits shall not be less than \$1,000,000 combined single limit.

Written proof of compliance with the requirements of this Section, consisting of Certificates of Insurance and a copy of the Additional Insured Endorsement for the Commercial General Liability insurance policy, in a form acceptable to Licensor, shall be provided to Licensor prior to any Attachment or the installation of any Equipment upon an Light Pole and prior to the expiration of each policy year thereafter. The Certificates of Insurance shall provide that this insurance shall not be terminated, canceled or reduced except on thirty days' prior written notice to Licensor. Failure to provide and maintain such insurance shall constitute a default under this Agreement. Licensee may self-insure any and all of the above insurance requirements.

### **13. REMEDIES IN THE EVENT OF DEFAULT**

If either Party fails to comply with a material term or condition of this Agreement, the non-breaching party shall provide written notice to the defaulting party of such non-compliance. The breaching party shall then have thirty (30) days (except in the case of health and safety issues, which shall require cure within forty-eight (48) hours) from receipt of such notice to reasonably cure such non-compliance. If such a cure is not completed within the thirty (30) day period (or 48 hour period as provided above), or if a cure is not possible within such period and the breaching party has not taken steps to effect such cure, then the non-breaching party may pursue its legal remedies relating to such non-compliance.

### **14. DISPUTE RESOLUTION**

a. Except as may otherwise be set forth expressly herein, all disputes arising under this Agreement shall be resolved as set forth in this Section 14.

b. Licensor and Licensee shall attempt in good faith to resolve any dispute arising out of or relating to this Agreement promptly by negotiations between an authorized representative of each of the Parties. Any dispute which cannot be resolved between the authorized representative shall be referred to an officer or designee of Licensee and Licensor. Licensor or Licensee shall give the other Party written notice of any dispute following expiration of the applicable cure period pursuant to Section 13. Within twenty (20) days after delivery of such notice, the designated parties shall meet at a mutually acceptable time and place, and thereafter as often as they reasonably deem necessary to exchange information and to attempt to resolve the dispute. If the matter has not been resolved within thirty (30) days of the first meeting, the Parties will consider and decide whether the dispute should be submitted to mediation. The Parties will

cooperate with one another in selecting the mediator ("Mediator") from the panel of neutrals from Judicial Arbitration and Mediation Services, Inc. ("JAMS"), its successor, or any other mutually acceptable non-JAMS Mediator, and in scheduling the time and place of the mediation.

c. To the extent allowable by law, all negotiations and any mediation conducted pursuant to this Section 14 shall be confidential and shall be treated as compromise and settlement negotiations, to which Section 1152 of the California Evidence Code shall apply, which section is incorporated in this Agreement by reference.

d. Notwithstanding the foregoing provisions, either Licensor or Licensee may seek immediate equitable relief, a preliminary injunction or other provisional judicial remedy.

e. Licensor and Licensee shall continue to perform their obligations under this Agreement pending final resolution of any dispute arising out of or relating to this Agreement.

f. If Licensor and Licensee, after good faith efforts to resolve a dispute under the terms of this Agreement (as provided in Subpart b above), cannot agree to a resolution of the dispute, either party may pursue whatever legal remedies may be available to such party, at law or in equity, before a court of competent jurisdiction and with venue in Riverside County, California.

## 15. TAXES AND LIENS

Licensee shall pay when due any and all taxes or assessment resulting from any Attachment on any Light Pole including, but not limited to, special assessments and governmental fees of any kind whatsoever which may be levied or assessed upon any personal property which Licensee has caused to be placed or maintained upon Licensor's facilities, or against Licensee's business and shall keep Licensor's property and facilities, including any Light Poles, free from all liens, including but not limited to mechanics liens, and encumbrances by reason of the use, occupancy, or maintenance of Licensor's facilities or property by Licensee or by any person claiming under Licensee. It is further agreed that in the event Licensee fails to pay the above-mentioned taxes, assessments, or liens when due, Licensor shall have the right to pay the same and invoice Licensee for the amount thereof and Licensee shall pay the same upon demand together with interest at the maximum rate allowed by law from the date of such expenditure by Licensor.

## 16. NOTICES

Notices hereunder must be in writing and transmitted by United States mail or by personal delivery to Licensor. Such notices shall be deemed given: (a) upon receipt in the case of personal delivery or confirmed facsimile transmittal; (b) two (2) days after it is sent by certified mail, with a return receipt requested, (c) three (3) days after deposit in the mail, or the next day in the event of overnight delivery.

If to Licensor:

If to Licensee: Southern California Edison  
 Manager of Streetlights Attention: John King  
 6042 A Irwindale Ave, Irwindale CA 91702

## 17. DISCLAIMER

LICENSOR MAKES NO REPRESENTATION OR WARRANTY WHATSOEVER CONCERNING THE SUITABILITY OR CONDITION OF ANY LIGHT POLE. FURTHERMORE, IT IS SPECIFICALLY UNDERSTOOD AND HEREBY ACKNOWLEDGED BY LICENSEE THAT ANY LIGHT POLE MADE AVAILABLE HEREUNDER, TO THE MAXIMUM EXTENT PERMISSIBLE BY LAW, WILL BE PROVIDED BY LICENSOR ONLY ON AN "AS-IS" BASIS AND WITHOUT ANY WARRANTY BY LICENSOR ABOUT THE CONDITION OF THE LIGHT POLE OR ITS SUITABILITY FOR LICENSEE'S PURPOSES. FURTHER, LICENSEE'S RIGHTS HEREUNDER SHALL BE SUBORDINATE TO LICENSOR'S USE OF THE LIGHT POLE FOR MUNICIPAL SERVICES.

## 18. GENERAL PROVISIONS

a. California Law. This Agreement, and performance pursuant to it, shall be governed, interpreted, construed, and regulated by the laws of the State of California, without reference to its conflicts of laws provisions.

b. Assignment. Neither Party may assign, transfer, sublease, or sublet any right, obligation, or privilege given to it hereunder without the prior written consent of the other Party. Subject to the foregoing, this Agreement shall inure to the benefit of and be binding upon the respective successors and assigns of the Parties hereto.

c. Interpretation. The language of each part of this Agreement shall be construed simply and according to its fair meaning, and shall never be construed either for or against either Party, regardless of which Party may have drafted the provision.

d. Nature of Rights. Nothing in this Agreement shall preclude Licensor from granting any third-party permission to use available capacity on a Light Pole in ways that do not interfere with the rights granted to Licensee under this Agreement.

e. Invalidity of Provisions. To the extent that any terms or provisions of this Agreement shall be finally determined by a court of competent jurisdiction to be invalid, (i) such invalidity shall not affect, release or modify any other terms or provisions, and (ii) in lieu of each such provision which is invalid, illegal or unenforceable, there shall be substituted or added as part of this Agreement a legal, valid and enforceable provision which shall be selected to be as similar as possible, in achieving the economic and business objectives of the Parties, to such illegal, invalid or unenforceable provision.

f. Waiver. The failure of either Party to enforce any provision of this Agreement or the waiver thereof in any instance, including but not limited to the right to terminate, shall not be construed as a general waiver or relinquishment on its part of any such provision but the same shall nevertheless be and remain in full force and effect.

g. Incorporation Clause. This Agreement, including attached Exhibits, incorporate all the covenants and understandings between Licensor and Licensee regarding the subject matter of this Agreement. No other verbal agreements or understandings exist between the Parties nor shall any be binding upon either Licensor or Licensee unless reduced to writing and signed by the Parties. Any addition, variation or modification to this or any other Agreement shall be ineffective unless made in writing and signed by the Parties.

h. Radio Frequency Emission (“RFE”) Compliance. Licensee shall be responsible, at its sole cost and expense, for ensuring compliance with all regulations relating to RFE. Licensor will cooperate with Licensee, where possible, to allow Licensee to place required signage on a Light Pole where this is necessary to comply with RFE regulations. In addition, Licensee shall use its best efforts to minimize the RFE impact on health of workers and on future uses of the Light Pole.

i. Exhibits. Exhibits referenced herein are incorporated by said reference. Licensee shall provide any updates of Exhibit A to Licensor within thirty (30) days of Licensor’s written request, delivered pursuant to Section 16 of this Agreement, but not more often than once each calendar quarter. Specifically included as exhibits to this Agreement hereto are:

Exhibit A: List of Installed Attachments

j. Confidentiality. Notwithstanding any language to the contrary in any applicable non-disclosure or confidentiality agreement between the Parties, Licensor may, without the prior consent of the Licensee, provide confidential or proprietary information related to this Agreement to a governmental or regulatory entity that requests such information or as otherwise required by law.

**SIGNATURES**

By signing below, the signatories hereto represent and warrant that they have been duly authorized to sign this Agreement on behalf of the Party for whom they sign.

**CITY OF MORENO VALLEY,  
a Municipal corporation**

**SOUTHERN CALIFORNIA EDISON  
COMPANY, a California corporation**

By: \_\_\_\_\_  
Print  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
\_\_\_\_\_  
Date: \_\_\_\_\_

By: \_\_\_\_\_  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
\_\_\_\_\_  
Date: \_\_\_\_\_

Attachment: Lightpole License Agreement (2526 : FINAL PURCHASE AND SALE AGREEMENT FOR SOUTHERN CALIFORNIA EDISON STREET

**EXHIBIT A**

**List of Attachments**

SmartConnect Installed Devices

NetComm Installed Devices

## The City of Moreno Valley LS-1 Streetlight System Valuation

October 27, 2015

### Overview of the Total LS-1 Streetlight System

Type	Qty	Type	Overhead	Underground
Non-Wood	9,308	93%	24	9,284
Wood	687	7%	684	3
	9,995	100%	708	9,287
			7%	93%
1950-1959	192	2%		
1960-1969	77	1%		
1970-1979	665	7%		
1980-1989	5,915	59%		
1990-1999	1,417	14%		
2000-2009	1,555	16%		
2010-present	174	2%		

### Valuation of the Sellable LS-1 Streetlight System

	Qty	RCNLD
Marbelite (Concrete)	9,293	\$3,656,401
Steel	1	\$596
* Wood	117	\$146,094
<b>Total:</b>	<b>9,411</b>	<b>\$3,803,091</b>
<b>Ad Hoc Replacements</b>		<b>\$540,131</b>
<b>Additional Asset Components</b>		<b>\$78,176</b>
<b>Adjustment</b>		<b>\$246,363</b>
<b>Subtotal</b>		<b>\$4,667,760</b>
<b>Transition Cost</b>		<b>\$282,330</b>
<b>Valuation Price</b>		<b>\$4,950,090</b>

\*Note: 17% of Wood Poles are sellable (streetlights attached to distribution poles are excluded)

Ad Hoc Replacements represent poles replaced without developer's contribution

Additional asset components relevant to the sale (i.e. riser poles, insulators, down guy, etc.)

Adjustment is needed to recover any tax implication

Transition Cost is the severance cost to transfer ownership of the asset

**SCE CONFIDENTIAL**

Attachment: Street Light Valuation, updated October 13, 2016 (2526 : FINAL PURCHASE AND SALE AGREEMENT FOR SOUTHERN



## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** October 18, 2016

**TITLE:** PURCHASE AND SALE AGREEMENT FOR SOUTHERN CALIFORNIA EDISON STREET LIGHTS

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### RECOMMENDED ACTION

#### **Recommendations: That the City Council:**

1. Approve the Purchase and Sale Agreement, including the Light Pole License Agreement, in substantially the form attached hereto, with Southern California Edison to acquire approximately 9,411 street lights and authorize the City Manager to execute the necessary documents subject to City Attorney final approval.
2. If the Agreement is approved, direct staff to bring financing options, energy efficient conversion options and review of the street light standards back to the City Council for consideration.

### SUMMARY

This report recommends approval of a Purchase and Sale Agreement with Southern California Edison (SCE), which includes a Light Pole License Agreement for Wireless Attachment (collectively the "Agreement"), in substantially the form included as Attachments 1 and 2. The Agreement is for the acquisition of approximately 9,411 SCE owned street lights for a purchase price of not-to-exceed \$4,948,472. Buying the street lights will transition them from SCE's LS-1 (utility owned and maintained) tariff to its LS-2 (city owned and maintained) tariff. The Light Pole License Agreement provides SCE with an existing and future easement on the 9,411 poles for existing and future wireless communicating devices. SCE uses the wireless communication to collect and relay data from meters, and to collect, relay and communicate with SCE distribution equipment. Final approval of the Agreement and the sale of the street lights are subject to approval from the California Public Utilities Commission (CPUC) and approval of a financing plan by the City Council.



During the July 12, 2016 Study Session, staff was directed to negotiate the terms of the Agreement with SCE and to determine whether or not the Edgemont Community Services District (ECSD) had an interest in acquiring street lights within its district and under its control. The Council requested the Agreement be brought back to the City Council for consideration.

If the Agreement is approved, options for financing the purchase, conversion of the street lights to Light Emitting Diode (LED) technology, operations and maintenance (O&M) and a review of the City's street light standards will be brought back to the Council at subsequent meetings. Any future street light installations will be dedicated to the City and added to SCE's billing under the LS-2 tariff.

Acquisition of the SCE street lights provides the City with an opportunity to control certain costs and reduce the projected funding shortfall in the street light program. Projections for tariff increases (based on historical increases) were included in the financial analysis. However, the City does not have control over SCE's proposed increases to the tariffs. If the actual increases exceed the projected increases, it will negatively impact the projected savings.

## **DISCUSSION**

As street lights are installed within the City, they are currently dedicated to the utility provider. The utility provider owns the lights and is responsible for O&M, risk management, knock-down replacements, and energizing the street lights. The two utility providers, SCE and Moreno Valley Utility (MVU), charge the City a monthly tariff to maintain and illuminate approximately 11,500 street lights. Street lights within Moreno Valley are designated under the LS-1 (SCE) or SL-1 (MVU) tariff. This tariff is for utility owned and maintained street lights.

The City (and the Moreno Valley Community Services District) levies a parcel charge and/or parcel tax ("parcel charge") on the annual property tax bills. Revenue received from the parcel charge funds a portion of the street lighting program. The City does not levy street lighting parcel charges against those parcels located within the ECSD. Street light service to the ECSD is provided by an independent special district, which levies parcel charges to pay for the street lights within its boundaries. Street lights located within the ECSD are not included within the City's street lighting program. A map of the ECSD is attached to this report.

As utility costs have increased over the years, parcel charge revenue received to support the street light program has not kept pace, creating a funding shortfall. The General Fund has been funding the shortfalls since fiscal year (FY) 2010/11. The FY 2015/16 unaudited shortfall is estimated at \$400,000. Based on SCE's past practice of continuing to increase its monthly tariff, the annual shortfall is anticipated to grow to an estimated \$1,800,000 by FY 2035/2036. Unless new revenue sources or cost saving measures can be identified, the General Fund will have a liability to continue meeting the funding shortfall.

Over the years, a number of alternatives to reduce expenditures have been explored to include removing street lights, turning off street lights, and converting the street lights to energy efficient lighting (e.g. LED). None of these options provide enough of a cost savings to warrant implementation.

In 2011, the City spearheaded the formation of the Coalition for Affordable Street Lights to jointly participate in SCE's 2012 General Rate Case (GRC). The Coalition includes other cities also served by SCE. The GRC is the process SCE goes through every three years to modify its tariff. During the 2012 GRC settlement discussions, the Coalition expressed concern over the rising costs to provide street lighting services and cities' inability to control costs. In response, SCE announced a street light purchase program in March of 2012. Three years later, SCE announced the end of the program, but agreed to honor the program with those cities that requested a purchase price prior to August 2015 and entered into SCE's Purchase and Sale Agreement within 1-year of receiving the purchase price. On October 27, 2015, SCE provided a purchase price of \$4,948,472 for Moreno Valley's 9,411 street lights. Moreno Valley's deadline to enter into a Purchase and Sale Agreement is October 27, 2016. SCE has agreed to extend the deadline to December 31, 2016 provided Moreno Valley is actively negotiating the terms of the Purchase and Sale Agreement (Attachment 3).

If the City elects to purchase the SCE street lights, the monthly tariff will change from the LS-1 tariff to the lower LS-2 tariff. The LS-2 tariff will cover the SCE's cost to transmit the energy to the street lights and the cost of the energy. Ownership costs (e.g. O&M, risk management, knock-down replacements, and customer service) will become the responsibility of the City. By owning the street lights, the City could realize a potential cumulative cost savings of up to \$3,600,000 over a 20-year period. These savings include estimated ownership and acquisition costs.

Ownership of the street lights provides the City with greater control over O&M costs. If the City elects to upgrade the street lights to an energy efficient lighting system (e.g. LED) there will be additional savings in energy costs. Converting to energy efficient lighting is estimated to provide an additional potential cumulative cost savings of up to \$4,400,000 or a total of \$8,000,000 in savings (net of costs to convert to LED) over a 20-year period when compared to the projected funding shortfall of the current, SCE ownership scenario.

### WESTERN REGIONAL COUNCIL OF GOVERNMENTS

In December 2014, the Executive Committee of the Western Regional Council of Governments (WRCOG) directed WRCOG staff to develop a regional street light program on behalf of its member jurisdictions. WRCOG's regional program includes an inventory of the street lights, acquiring the street lights and retrofitting them to LED technology, and providing the ongoing O&M of the street lights. Because Moreno Valley has its own utility, it has not been party to WRCOG's efforts. However, WRCOG and Moreno Valley have been working cooperatively together as each navigates simultaneously through the analysis process. Moreno Valley has the ability to opt-in to

WRCOG's regional program at any point and for any portion of WRCOG's program.

### *Financing*

On September 12, 2016, the Executive Committee approved WRCOG staff's recommendation to select Bank of America Public Capital Corporation ("BofA") to provide financing for the acquisition and retrofit of street lights to LED technology. The BofA option provides a "direct placement lease" which is secured by the street lights. BofA was selected after WRCOG conducted a competitive bidding process. A copy of WRCOG's staff report is attached to this report.

### *Operation and Maintenance*

O&M of street lights included as part of WRCOG's regional program will be provided by a contractor selected via a competitive procurement process. The contractor will provide routine O&M and will handle customer service related calls on behalf of those cities participating in the regional program. WRCOG anticipates issuing a request for proposal in October.

### *LED Regional Demonstration Area*

WRCOG selected the City of Hemet as a location for a Regional Demonstration Area to test LED street lights. Five different locations within Hemet, which include multiple land use types (e.g. residential, commercial, industrial, etc.), were identified. Various LED types from 12 vendors have been installed for the public to view and provide input. WRCOG plans to conduct multiple educational tours in October and November. The public will be invited to complete surveys indicating their preference of LED type based on the type of land use. WRCOG will distribute a media kit to its member jurisdictions outlining the specifics of the survey process in early October. The survey period will run from mid-September through the end of January 2017.

### PURCHASE AND SALE AGREEMENT

The attached Agreement, in substantially the form included as Attachments 1 and 2, specifies a \$4,948,472 not-to-exceed purchase price of the approximate 9,411 street lights in Moreno Valley. The actual amount may be less depending upon the number of street lights actually available for sale. Street lights which have any equipment used for SCE's distribution system attached to them are not available for sale. SCE will only sell the street lights if all of the eligible street lights are purchased. The City cannot elect to purchase a portion of the lights. The Agreement is subject to SCE having complied with the terms of the Agreement and the City Council approving a structured financing plan. The Agreement is silent on timing to approve the structured financing plan, but it must occur prior to the acquisition process moving forward. The street lights are sold "as is" and generally includes the pole, light and mastarm, wiring within marbelite poles and the base. Ownership of wiring on wood poles will be retained by SCE.

The Light Pole License Agreement (Exhibit F of the Purchase and Sale Agreement),

allows SCE to maintain an easement on the street lights for wireless communication devices. The communication devices are used for the collection and relay of data from meters and for the collection, relay, and communication to SCE distribution equipment. SCE will also have the ability to install additional attachments for these purposes at no charge and under certain terms. SCE is limited to attachments allowed on up to 3% of the street lights. SCE estimates there are currently 10 attachments in place or less than 0.01% on the existing street lights. The Light Pole License Agreement has an initial term of 10 years, with automatic 3-year renewal terms. The City can terminate the agreement during the initial 10-year term between year 8 and 9 1/2 or during the first year of the 3-year renewable terms. There is no cost to the City to terminate the Light Pole License Agreement during these periods.

The estimated 9,411 street lights are for those included on the City of Moreno Valley's monthly SCE bills. It excludes those street lights whose monthly utility bill is paid by other agencies (e.g. HOAs, ECSD). Staff met with the ECSD on July 27, 2016 to gauge its interest in purchasing street lights within its district and under its control. On August 29, 2016, the ECSD Board advised the City it wants to maintain its current ownership arrangement with SCE (Attachment 6).

*Process*

SCE estimates transition of ownership for all the street lights may take up 17 months. This timeline may be shortened as more cities enter into the process and the CPUC and SCE streamline the transition processes.

<b>SCE Estimate of Transfer of Ownership Timeline</b>	
2 months after City approval	SCE files with Advice Letter with CPUC
3-6 months	CPUC approves Advice Letter
1-2 months after CPUC Approval	Transition of ownership begins
5-7 months	In Field transfer (1,500-2,000/month)

*Operation and Maintenance*

Four alternatives have been initially identified to provide the ongoing O&M of the street lights should the City elect to proceed: 1) City crews who currently service traffic signals and safety lighting could provide the O&M; 2) MVU's contract with ENCO could be amended to include O&M of the SCE street lights (MVU has a public-private partnership with ENCO to maintain the MVU owned street lights); 3) the City could conduct a competitive procurement process; or, 4) the City could partner with WRCOG for O&M. These options will be presented for City Council consideration in more detail during a future meeting.

*Additional Opportunities*

Ownership of the street lights also provides an opportunity to take advantage of emerging technologies. The network of real estate the street lights provide enables their use for additional services that can benefit our community and can create opportunities to generate additional revenue. For example, the City of Los Angeles

uses street lights for electric vehicle charging stations while other communities use them to create a wireless mesh network of radio nodes. The nodes are used for smart cities applications and position a city for developing a communication network. Examples of these applications include the ability to collect data on traffic mobility, sense movement on the streets, turn off streetlights when sidewalks and roads are empty, detect ground shifts and send earthquake warnings, and act as WiFi hotspots.

## **ALTERNATIVES**

1. Approve the Purchase and Sale Agreement, including the Light Pole License Agreement, with Southern California Edison to acquire the street lights and related recommended actions as presented in this staff report. *Staff recommends this alternative based on the financial projections. Acquiring the SCE street lights will provide the City with control over Operations and Maintenance costs, reduce the funding shortfall, allow for a greater cost savings for conversion to energy efficient technology and opportunities to take advantage of emerging technologies.*
2. Delay approval of the Purchase and Sale Agreement, including the Light Pole License Agreement, with Southern California Edison and continue the item to a future meeting. *Staff does not recommend this alternative as it may delay meeting SCE's deadline to enter into the Agreement.*
3. Do not approve the Purchase and Sale Agreement with Southern California Edison. *Staff does not recommend this alternative as it minimize the City's ability to control costs in its street lighting program and limit its ability to use street lights for emerging technologies.*

## **FISCAL IMPACT**

The not-to-exceed purchase price of the street lights is \$4,948,472. Multiple options for the financing of the purchase are being explored to include:

Option 1: Participate with WRCOG through its approved financing structure or examine our own independent structure with BofA. If the City chooses to proceed under the WRCOG agreement, the terms of the financing structure will be determined at that time.

Option 2: Use the City's Financing Team to seek an independent bond financing structure. This option would allow us to proceed independently from WRCOG under a similar structure, with terms to be determined.

Option 3: Borrow from the General Fund, with terms to be determined.

In addition to the potential savings from the purchase of the street lights, additional savings may be realized by converting the street lights (SCE and MVU) to LED technology. The conversion cost is estimated to be \$4,250,000. The project may be eligible for energy rebates provided through SCE for approximately \$1,500,000, leaving an estimated conversion cost of just over \$2.7 million. The conversion cost may be



funded through options similar to the options for financing the purchase of the street lights. The conversion cost does not include those street lights within and under control of the ECSD

### *Financial Estimate Assumptions*

The current financial modeling projects the City could save \$3.6 million over 20 years if it acquires the street lights. Additionally, with conversion to LED technology, the City may save a total amount of \$8 million over the same 20-year time period. Based on the estimated savings in the tariff with the purchase (LS-1 to LS-2) and energy costs with LED conversion, the City's General Fund will still be required to subsidize the street light program between \$400,000 to \$1 million annually for an estimated total amount of \$13.2 million over the 20-year time period. The shortfall increases through year 15 (term of projected debt service) and decreases the remaining five years of the 20-year period. If the street lights are not purchased the projected shortfall ranges from \$400,000 to \$1.8 million annually for an estimated total amount of \$21.6 million over the 20-year time period.

The annual shortfall includes costs for those street lights (22%) currently located on arterial streets, 22%. The remaining 78% of the street lights are located within residential neighborhoods. The arterial street lights benefit the general population while the residential street lights provide the most benefit to those residents.

The current modeling was developed based on the initial work by WRCOG and their consultants, and the City's historical data. The results of the model are based on multiple assumptions including, but not limited to, the following items:

- Estimates are based on historical knowledge. Although prior results may provide an indicator for future results, there is no guarantee that these or similar results may be experienced.
- The not-to-exceed purchase price is \$4,948,472. The actual price may be adjusted based on the final inspection of each individual street light prior to transition.
- Total acquisition costs are estimated at \$5,577,277 which includes the purchase price (\$4,948,472), initial replacement reserves (\$303,000), transition costs (\$100,000), and cutover costs (\$125,000).
- Transition of the street lights and change in the tariff occurs on day one. The actual timing for the transition of the lights is phased and will be dependent on SCE meeting key dates of delivery. Any delays in transition will reduce the cumulative savings.
- The financing structure is estimated based on a 15 year term at an interest rate of not-to-exceed 4%.
- SCE utility rate tariffs will not increase greater than 5% on an annual basis.
- SCE energy costs will not increase greater than 3% on an annual basis.
- Maintenance costs are estimated based on historical activities and do not account for any major unforeseen costs, including but limited to additional knockdowns or natural disasters. A repair cost per knockdown is estimated at

- \$6,500 per pole with a knockdown rate of 0.47% of inventory.
- Property taxes are assumed to increase at the maximum 2% annually based on the limitation of Proposition 13.
- Overhead operation and administration costs will increase based on an annual inflation rate of 3%.
- LED conversion costs assume an installation cost of \$4,250,000 (SCE and MVU street lights) and energy rebates of \$1.5 million. Many credits are limited and are not guaranteed. If any credits are not received, this could have an impact on the final financial projections.
- Assumes MVU street lights are converted to LED technology.
- LEDs are still an emerging technology and do not have a historical track record of meeting the projected life span and maintenance requirements. LED maintenance is estimated based on projected estimates.
- There may be certain intangible benefits from the ownership of the lights which are not determined at this time. Based on future technology, there may be financial and non-financial benefits to have key infrastructure located throughout the City to allow for the attachment of new technology.
- Street lights under control of ECSD are excluded from the financial modeling.

Although the purchase of the lights may reduce operation costs, under these assumptions the General Fund will still be required to provide annual funding for the operation of the street lights.

## **NOTIFICATION**

Posting of the agenda.

## **PREPARATION OF STAFF REPORT**

Prepared By:  
Candace E. Cassel  
Special Districts Division Manager

Department Head Approval:  
Ahmad R. Ansari, P.E.  
Public Works Director/City Engineer

Concurred By:  
Jeannette Olko  
Electric Utility Division Manager

Department Head Approval:  
Marshall Eyeran  
Chief Financial Officer/City Treasurer

## **CITY COUNCIL GOALS**

**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

**Positive Environment.** Create a positive environment for the development of Moreno Valley's future.

**Community Image, Neighborhood Pride and Cleanliness.** Promote a sense of community pride and foster an excellent image about our City by developing and executing programs which will result in quality development, enhanced neighborhood preservation efforts, including home rehabilitation and neighborhood restoration.

**CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

Objective 4.4: Control Street Lighting costs.

**ATTACHMENTS**

- 1. Purchase and Sale Agreement
- 2. Light Pole License Agreement 9-29-16
- 3. SCE Extension to 12-31-16
- 4. WRCOG Financing Staff Report, 9-12-16
- 5. Edgemont CSD Boundary Map
- 6. ECSD Street Light Acquisition Letter, 8-29-16

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	10/03/16 4:07 PM
City Attorney Approval	<u>✓ Approved</u>	10/05/16 4:18 PM
City Manager Approval	<u>✓ Approved</u>	10/06/16 8:09 AM



### PURCHASE AND SALE AGREEMENT

THIS PURCHASE AND SALE AGREEMENT (this "Agreement") is made and entered into as of \_\_\_\_\_, 2016 ("Effective Date"), by and between SOUTHERN CALIFORNIA EDISON, a California corporation ("SCE"), and the City of Moreno Valley, a Municipal Corporation and Charter City ("Buyer"). SCE and Buyer are referred to herein individually as a "Party," and together as "Parties".

### RECITALS

- A. SCE currently owns Nine Thousand Nine Hundred Ninety Five (9,995) LS-1 electric streetlight facilities located in the City of Moreno Valley, of which, Nine Thousand, Four Hundred Eleven (9,411) are preliminarily scheduled to be purchased by Buyer.
- B. Buyer has expressed a desire to purchase the Facilities (defined below) from SCE, and SCE is willing to sell the Facilities to Buyer, on the terms and conditions set forth in this Agreement.

### AGREEMENT

NOW, THEREFORE, in consideration of the respective covenants and agreements contained in this Agreement, SCE and Buyer each agree as follows:

- 1. **DEFINITIONS.** The following terms shall have the meanings ascribed to them below for purposes of this Agreement.

"**Agreement**" has the meaning given in the first paragraph.

"**Applicable Requirements**" means all laws, statutes, ordinances, rules, regulations, requirements or orders of any Governmental Authority now in force or that may later be in force, and the terms and conditions of any permit, certificate, license or other requirement.

"**Bill of Sale**" means a document setting forth the Purchase Price and Severance Costs as well as any Taxes for which Buyer is responsible with respect to the Facilities specified to be transferred to Buyer in each Phase (including Reconfigured Facilities in the final Phase), which document shall be substantially in the form of **Exhibit B** attached hereto.

"**Business Day**" means a day other than Saturday, Sunday or a day on which (i) banks are legally closed for business in the State of California; or (ii) SCE is closed for business.

"**Buyer**" has the meaning given in the preamble paragraph.

"**CEQA**" has the meaning given in Section 5.2.

“**Claims**” has the meaning given in Section 7.1.

“**Commencement**” has the meaning given in Section 6.2.

“**Commencement Date**” has the meaning in Section 6.1.

“**CPUC**” means the California Public Utilities Commission, or its regulatory successor, as applicable.

“**CPUC Approval**” means a final, unconditional and unappealable decision of the CPUC under Section 851 of the Public Utilities Code (including exhaustion of all administrative and judicial remedies or the running of time periods and statutes of limitation for rehearing and judicial review without rehearing or judicial review being sought) approving this Agreement and the transactions contemplated hereby on terms and conditions acceptable to SCE and Buyer, in their good faith discretion, including approval of SCE’s proposed accounting and rate making treatment of the sale in accordance with CPUC’s decisions.

“**CPUC Approval Date**” means the date on which the CPUC Approval occurs.

“**Effective Date**” has the meaning given in the preamble paragraph.

“**Environmental Requirements**” means any applicable federal, state and local statutes, regulations or ordinances now in force or that may later be in force relating to the protection of human health or safety, or regulating or relating to industrial hygiene or environmental conditions, or the protection of the environment, or pollution or contamination of the air, soil, surface water or ground water, including federal, state and local laws, requirements and regulations pertaining to reporting, licensing, permitting, investigating and remediating emissions, discharges, releases or threatened releases of such substances into air, surface water or land, or relating to the manufacture, processing, distribution, use, treatment, storage, disposal, transport or handling of such substances. Environmental Requirements include without limitation: the Comprehensive Environmental Response, Compensation, and Liability Act (42 U.S.C. 9601 et seq.); the Hazardous Materials Transportation Act (49 U.S.C. 5101 et seq.); and the Resource Conservation and Recovery Act (42 U.S.C. 6901et seq.)

“**Excluded Taxes**” means (a) taxes (other than any sales, use, gross receipts, or any taxes in the nature of sales, use or gross receipts taxes) imposed on SCE that are capital gains taxes, minimum or alternative minimum taxes, accumulated earnings taxes, franchise taxes or taxes on or measured by gross or net income, capital or net worth of SCE; and (b) personal property taxes to the extent the payment is addressed in Section 3.3(b), and is not required to be reimbursed to SCE by Buyer.

“**Facilities**” has the meaning given in Section 2.2 and further described in Exhibit A.

**“Governmental Authority”** means any federal, state, local or other governmental, regulatory or administrative agency, commission, department, board, subdivision, court, tribunal, or other governmental arbitrator, arbitral body or other authority, but excluding Buyer.

**“Hazardous Substances”** means any hazardous or toxic material or waste, which is or becomes regulated by Environmental Requirement. Without limiting the generality of the foregoing, Hazardous Substances includes any material or substance: (a) now or hereafter defined as a “hazardous substance,” “hazardous waste,” “hazardous material,” “extremely hazardous waste,” “restricted hazardous waste” or “toxic substance” or words of similar import under any applicable Environmental Requirements; or (b) which is toxic, explosive, corrosive, flammable, infectious, radioactive, carcinogenic, mutagenic or otherwise hazardous, and is now or hereafter regulated as Hazardous Substance by the United States, the State of California, any local governmental authority or any political subdivision thereof, or which cause or are listed by the State of California as being known to the State of California to cause, cancer or reproductive toxicity; or (c) the presence of which poses or threatens to pose a hazard to the health or safety of persons or the environment; or (d) which contains gasoline, diesel fuel or other petroleum hydrocarbons; or (e) which contains lead-based paint or other lead contamination, polychlorinated biphenyls (“PCBs”), or asbestos or asbestos-containing materials or urea formaldehyde foam insulation; or (f) which contains radon gas; or (g) fuel or chemical storage tanks, energized electrical conductors or equipment, or natural gas transmission or distribution pipelines; and (h) other potentially hazardous substances, materials, products or conditions.

**“Inventory, Planning and Inspection Activities”** means the activities referenced in Section 6.2(a) and set forth in Exhibit D to be performed by Buyer and SCE during the Inventory, Planning and Inspection Period.

**“Inventory, Planning and Inspection Period”** has the meaning set forth in Section 6.2(a). ”

**“Land”** means the real property on which the Facilities are located, together with any other real property that is encumbered by Land Rights.

**“Land Rights”** means the easements, leases, permits, franchise agreements or other agreements that grant SCE the right to locate the Facilities on the Land and/or permit access to the Facilities by SCE.

**“Local Service Planning Office”** means SCE’s local service planning office located at 26100 Menifee Rd. Menifee CA 92585.

**“Phase”** means the Nine (9) periods of Five (5) months each, during which the Parties will undertake certain activities as set forth in this Agreement with regard to the Facilities identified in each such Phase in Exhibit C. The Parties may mutually agree at any time to change the Phase Commencement Date and/or the Phase Closing Date for any or all Phases.

**“Phase Commencement Date”** means the first day of each Phase as set forth in Exhibit C.

**“Phase Completion”** means the completion of all activities for each Phase as set forth in Sections 6.2 and 6.4 of this Agreement.

**“Phase Closing Date”** means the last day of each Phase as set forth in Exhibit C on which the closing of the purchase and sale of the Facilities in such Phase shall occur.

**“Potential Environmental Hazards”** means electric fields, magnetic fields, electromagnetic fields, electromagnetic radiation, power frequency fields, and extremely low frequency fields, however designated, and whether emitted by electric transmission lines, other distribution equipment or otherwise.

**“Purchase Price”** has the meaning given in Section 3.1.

**“Reconfigured Facilities”** means any additional facilities the Parties identify during the Inventory, Planning and Inspection Period of any Phase which serve purposes in addition to street lighting, which the Parties agree that SCE will reconfigure to remove such other (non-street light) uses, and which will be purchased by Buyer from SCE in the final Phase. Buyer shall coordinate all activities relating to Reconfigured Facilities with SCE’s Local Service Planning Office.

**“SCE Parties”** means SCE, its affiliates, and each of their respective past, present and future officers, directors, partners, employees, agents, representatives, shareholders, attorneys, affiliates, parent and subsidiary corporations, divisions, insurance carriers, heirs, legal representatives, beneficiaries, executors, administrators, predecessors, transferees, successors and assigns.

**“Severance Activities”** means the activities referenced in Section 6.2(a) and set forth in Exhibit D to be performed by SCE and Buyer during each Phase (after the applicable Inventory, Planning and Inspection Period expires) with respect to the Facilities to be transferred from SCE to Buyer in such Phase.

**“Severance Costs”** has the meaning in Section 3.1.

**“Tax Claim”** has the meaning given in Section 3.3(e).

**“Taxes”** mean all federal, state, local or foreign income, ad valorem, gross receipts, license, payroll, employment, excise, stamp, occupation, premium, windfall profits, environmental, customs duties, capital stock, franchise, profits, withholding, social security (or similar), unemployment, disability, real property including assessments, special assessments, special district assessments, escape assessments, benefit assessments and maintenance assessments, fees or other charges or surcharges of any nature based on the use or ownership of real property), personal property, sales, use, documentary transfer, registration, value added, alternative and add-on minimum, estimated taxes, and all other taxes of any kind whatsoever, including all

interest, penalties, fines and additions thereto, whether disputed or not, including all items for which liability arises as a transferee or successor-in-interest.

## 2. **PURCHASE AND SALES OF FACILITIES.**

**2.1 Purchase and Sale.** Subject to the terms and conditions of this Agreement, SCE agrees to sell, convey, assign, transfer and deliver to Buyer, and Buyer agrees to purchase and acquire from SCE, all of SCE's right, title and interest in the Facilities.

**2.2 Description of Facilities.** The "Facilities" consist of Nine Thousand, Four Hundred Eleven (9,411) electric streetlight facilities owned by SCE and located within the Buyer's service territory. A detailed description and listing of the Facilities to be purchased and sold is provided **Exhibit A**. The Parties believe that **Exhibit A** contains a reasonably accurate inventory and map of the LS-1 streetlight facilities owned by SCE within the Buyer's service territory that are considered for sale.

## 3. **PURCHASE PRICE AND OTHER COSTS.**

**3.1 Purchase Price.** Subject to adjustment as provided in this Section 3.1, the total purchase price for all Facilities described in **Exhibit A** ("**Purchase Price**") is Four Million, Nine Hundred Forty Eight Thousand, Four Hundred Seventy Two Dollars (\$4,948,472).

(a) The Parties shall mutually agree on the Purchase Price, Severance Costs and any additional costs for any Reconfigured Facilities transferred to Buyer in the final Phase in accordance with Section 6.2(b).

(b) If, within thirty (30) days after the Phase Closing Date for the final Phase, the Parties determine that the number of Facilities that have been transferred to Buyer pursuant to this Agreement does not equal [insert # of Facilities the first Recital of the Agreement says are to be transferred] then, within sixty (60) days after the Phase Closing Date for the final Phase, the Parties will amend the Bill of Sale for the final Phase to increase or decrease the Purchase Price, as appropriate, using the dollar amount of SCE's average price for each type of streetlight facility in the Buyer's municipality (concrete poles will be valued at SCE's average price for concrete poles, steel poles will be valued at SCE's average price for steel poles, wood poles will be valued at SCE's average price for wood poles, and fiberglass poles will be valued at SCE's average price for fiberglass poles).

**3.2 Severance Costs.** In addition to the Purchase Price, Buyer shall pay to SCE, SCE's good faith estimate of the cost of SCE's Severance Activities with respect to the Facilities, which the parties agree is equal to a total amount of \$282,330 ("**Severance Costs**"). Buyer shall pay the Severance Costs in nine (9) equal installments, as invoiced by SCE in each Phase.

**3.3 Taxes.**

(a) Except for any Excluded Taxes for which Buyer will have no liability, Buyer shall pay all Taxes arising in connection with the sale and transfer of the Facilities, this Agreement or the transactions contemplated herein, or the receipt of the Purchase Price or other amounts hereunder, which Taxes are levied or imposed on or with respect to SCE, Buyer or all or any part of the Facilities or any use thereof on or after the applicable Phase Closing Date.

(b) State and local personal property Taxes relating to the Facilities for the tax year (ending June 30) will be prorated between Buyer and SCE on the following basis: SCE is to be responsible for all such Taxes for the period up to the Phase Closing Date for such Facilities; and Buyer is responsible for all such Taxes for the period on and after the Phase Closing Date for such Facilities. All Taxes assessed on an annual basis will be prorated on the assumption that an equal amount of Taxes applies to each day of the year, regardless of how many payments are billed or made, except that Buyer will bear all supplemental or other state and local personal property Taxes with arise out of change in ownership of the Facilities. In addition, Buyer acknowledges that the Facilities are assessed by the California State Board of Equalization as of January 1 of each year, and, if the Phase Closing Date occurs between January 1 and June 30, SCE must pay personal property taxes arising out of the ownership of the Facilities for the subsequent fiscal year. If the Phase Closing Date occurs between January 1 and June 30, Buyer will deposit with SCE the full amount to pay personal property taxes for the tax year beginning on July 1, in addition to the prorated amount of personal property taxes for the current tax year (ending June 30), and SCE will pay the personal property taxes for these tax years before they become delinquent; provided however, SCE may pay such taxes in installments as permitted by law. If the personal property tax amounts owing for the tax year beginning on July 1 are not available as of the Phase Closing Date, then the amount due from Buyer to SCE for such tax year will be estimated on the basis of the prior year's personal property taxes and such amount will be subject to adjustment after the Phase Closing Date. If the Phase Closing Date occurs between July 1 and December 31, Buyer will deposit with SCE the prorated amount of personal property taxes for the tax year in which the Phase Closing Date occurs and SCE will pay the personal property taxes for such tax year before they become delinquent; provided however, SCE may pay such taxes in installments as permitted by law.

(c) SCE will be entitled to any refunds or credits of Taxes relating to the Facilities that are allocable to the period prior to the Phase Closing Date. Buyer will promptly notify and forward to SCE the amounts of any such refunds or credits to SCE within five (5) Business Days after receipt thereof. Buyer will be entitled to any refund or credit of Taxes relating to the Facilities that are allocable to the period on and after the Phase Closing Date. SCE agrees to reasonably cooperate with Buyer's efforts to obtain such refund or credit.



(d) After each Phase Closing Date, Buyer will notify SCE in writing, within five (5) Business Days after Buyer's receipt of any correspondence, notice or other communication from a taxing authority or any representative thereof, of any pending or threatened tax audit, or any pending or threatened judicial or administrative proceeding that involves Taxes relating to the Facilities for the period prior to the Phase Closing Date, and furnish SCE with copies of all correspondence received from any taxing authority in connection with any audit or information request with respect to any such Taxes relating to the Facilities for the period prior to the Phase Closing Date.

(e) Notwithstanding any provision of this Agreement to the contrary, with respect to any claim for refund, audit, examination, notice of deficiency or assessment or any judicial or administrative proceeding that involves Taxes relating to the Facilities for the period either entirely prior to the Phase Closing Date or both prior to and after the Phase Closing Date (collectively, "Tax Claim"), the Parties will reasonably cooperate with each other in contesting any Tax Claim, including making available original books, records, documents and information for inspection, copying and, if necessary, introduction as evidence to any such Tax Claim contest and making employees available on a mutually convenient basis to provide additional information or explanation of any material provided hereunder with respect to such Tax Claim or to testify at proceedings relating to such Tax Claim. SCE will control all proceedings taken in connection with any Tax Claim that pertains entirely to the period prior to the Phase Closing Date, and SCE and Buyer will jointly control all proceedings taken in connection with any Tax Claim pertaining to the period both prior to and after the Phase Closing Date. Buyer has no right to settle or otherwise compromise any Tax Claim which pertains entirely to the period prior to the Phase Closing Date; and neither Party has the right to settle or otherwise compromise any Tax Claim which pertains to the periods both prior to and after the Phase Closing Date without the other Party's prior written consent.

(f) The obligations of the Parties pursuant to the Section 3.3 shall survive the termination of this Agreement.

#### 4. **CONDITIONS PRECEDENT**

4.1 **Conditions to Buyer's Obligations.** Buyer's obligation under this Agreement to purchase the Facilities is subject to the fulfillment or waiver of each of the following conditions precedent:

(a) SCE shall have performed or complied in all material respects with all covenants, agreements and conditions contained in this Agreement to be performed or complied with by SCE at or prior to the Commencement Date and each Phase Closing Date.

(b) The City Council shall have identified and approved a structured financing plan to pay the Purchase Price and Severance Costs. The terms of a feasible financing shall be determined solely by the City Council.

(c) No suit, action or other proceeding shall be pending before any court or Governmental Authority which seeks to restrain or prohibit any of the transactions contemplated by this Agreement or to obtain material damages or other material relief in connection with this Agreement or the transactions contemplated hereby.

**4.2 Conditions to SCE's Obligations** SCE's obligation under this Agreement to sell the Facilities to Buyer is subject to the fulfillment or waiver of each of the following conditions precedent:

(a) Buyer shall have performed or complied in all material respects with all covenants, agreements and conditions contained in this Agreement to be performed by Buyer at or prior to the Commencement and each Phase Closing.

(b) No suit, action or other proceeding shall be pending before any court or Governmental Authority which seeks to restrain or prohibit any of the transactions contemplated by this Agreement or to obtain material damages or other material relief in connection with this Agreement or the transactions contemplated hereby.

**4.3 CPUC Approval.** The obligation of each Party to consummate the purchase and the sale of the Facilities is conditioned upon obtaining CPUC Approval. SCE agrees to make reasonable efforts to draft and file an application seeking CPUC approval within ninety (90) days following the Effective Date of this Agreement. Buyer agrees to cooperate with SCE's efforts to obtain CPUC Approval, including by promptly reviewing and commenting on the application for CPUC Approval. Buyer acknowledges and agrees that SCE makes no representation or warranty with respect to the likelihood of obtaining CPUC Approval, and Buyer hereby waives all Claims against SCE that may arise as a result of the need for CPUC Approval or SCE's failure to obtain CPUC Approval.

**4.4 Satisfaction or Waiver of Conditions Precedent.** Buyer may waive in writing any of the conditions precedent set forth in Section 4.1, and SCE may waive in writing any of the conditions precedent set forth in Section 4.2. Neither Party shall have the right to waive the condition precedent set forth in Section 4.3. Subject to the foregoing, in the event that any of the conditions precedent set forth in this Section 4.1 or Section 4.2 have not been satisfied or waived on or before the Commencement Date or any Phase Closing Date (as the same may be extended), then the Party whose obligations are subject to such condition precedent shall have the right to rescind this Agreement ab initio upon written notice to the other Party, and SCE and Buyer shall thereupon return to the other Party all performances received from the other Party (except for the Severance Costs



actually paid), and each Party shall be released from all other obligations under this Agreement, except those which expressly survive termination.

## 5. **CONDITION OF FACILITIES AND LAND RIGHTS**

### 5.1 **Compliance with Applicable Requirements and Governmental Approvals.**

Except for CPUC Approval, Buyer is solely responsible for complying, at Buyer's sole expense, with all Applicable Requirements and obtaining all authorizations, consents, licenses, permits and approvals of Governmental Authorities and third persons in connection with the consummation of the transactions contemplated by this Agreement and with Buyer's operation of the Facilities, whether as result of the PCB content or otherwise. Without limiting the foregoing, Buyer is responsible for any costs of complying with the California Environmental Quality Act ("CEQA"), if and to the extent applicable to the sale and transfer of the Facilities, and satisfying, at Buyer's sole expense, any and all mitigation measures under CEQA that may apply to Buyer's acquisition or operation of the Facilities. Buyer shall promptly notify SCE of any and all mitigation measures that may affect SCE. If SCE determines in good faith that any such mitigation measures may adversely affect SCE, SCE shall have the right without liability to Buyer to terminate this Agreement upon written notice to Buyer. In the event of such termination, SCE and Buyer shall each be released from all obligations under this Agreement, except those that expressly survive termination. Buyer's obligations under this Section 5.2 shall survive the termination of this Agreement.

**5.2 Disclosure Regarding Hazardous Substances.** SCE hereby discloses to Buyer that Potential Environmental Hazards and Hazardous Substances, including PCBs, may be present at, in, on, under, about, contained in, or incorporated in the Facilities. Buyer represents that it is purchasing the Facilities for Buyer's own use, and not for resale (provided that Buyer contemplates that Buyer may transfer title to the Facilities in connection with financing and/or refinancing of the Facilities). If Buyer sells the Facilities, or any part thereof, it shall disclose, in writing, to all potential Buyers, prior to the sale, that Potential Environmental Hazards and Hazardous Substances, including PCBs, may be present at, in, on, under, about, contained in, or incorporated in the Facilities, or portions thereof. Further, in the event the Facilities (or any portion thereof) are sold, conveyed or transferred in any manner to a person other than SCE, Buyer shall incorporate in the agreement effectuating such transfer, language substantially in the same form as this paragraph. Buyer's obligations under this Section 5.3 shall survive the termination of this Agreement. Notwithstanding anything to the contrary set forth in this Agreement, SCE approval shall not be required for any conveyance of the Facilities, whether or not such conveyance is made in connection with a financing or refinancing of the Facilities or any part thereof.

**5.3 Disclaimers Regarding the Facilities and the Land.** BUYER ACKNOWLEDGES THAT IT IS RELYING UPON ITS OWN INDEPENDENT INVESTIGATION IN DECIDING TO PURCHASE THE FACILITIES. BUYER

EXPRESSLY DISCLAIMS RELIANCE ON ANY REPRESENTATIONS, WARRANTIES OR GUARANTIES, EITHER EXPRESS OR IMPLIED, BY SCE, ITS OFFICERS, DIRECTORS, COUNSEL, REPRESENTATIVES OR AGENTS. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, SCE EXPRESSLY DISCLAIMS ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, AS TO THE CONDITION, VALUE OR QUALITY OF THE FACILITIES, THE PROSPECTS (FINANCIAL AND OTHERWISE) OF THE FACILITIES, THE QUALITY OF WORKMANSHIP OF THE FACILITIES, OR THE ABSENCE OF ANY DEFECTS THEREIN, WHETHER LATENT OR PATENT. SCE FURTHER SPECIFICALLY DISCLAIMS ANY REPRESENTATION OR WARRANTY REGARDING POTENTIAL ENVIRONMENTAL HAZARDS, THE PRESENCE OF HAZARDOUS SUBSTANCES, COMPLIANCE OF THE FACILITIES OR THE LAND WHERE THE FACILITIES ARE LOCATED WITH ENVIRONMENTAL REQUIREMENTS, OR LIABILITY OR POTENTIAL LIABILITY ARISING UNDER ENVIRONMENTAL REQUIREMENTS. NO SCHEDULE OR EXHIBIT TO THIS AGREEMENT, NOR ANY OTHER MATERIAL OR INFORMATION PROVIDED BY OR COMMUNICATIONS MADE BY SCE, WILL CAUSE OR CREATE ANY REPRESENTATION OR WARRANTY, EXPRESS OR IMPLIED. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, SCE EXPRESSLY DISCLAIMS: (A) ANY IMPLIED OR EXPRESS WARRANTY OF MERCHANTABILITY; (B) ANY IMPLIED OR EXPRESS WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE; AND (C) ANY IMPLIED OR EXPRESS WARRANTY OF CONFORMITY TO MODELS OR MATERIALS.

- 5.4 **“AS IS” SALE.** THE FACILITIES ARE BEING TRANSFERRED “AS IS, WHERE IS, AND WITH ALL FAULTS” IN THEIR EXISTING CONDITION, WITHOUT ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND BY SCE, EXPRESS, IMPLIED OR STATUTORY, AND WITHOUT RECOURSE AGAINST SCE.
- 5.5 **Specific Disclaimer Regarding Land Rights.** BUYER SPECIFICALLY ACKNOWLEDGES AND AGREES THAT SCE IS NOT ASSIGNING OR OTHERWISE TRANSFERRING ITS RIGHT, TITLE AND INTEREST IN AND TO ANY LAND RIGHTS (OR ANY CLAIM, RIGHT OR BENEFIT ARISING UNDER OR RESULTING FROM SUCH LAND RIGHTS) IN CONNECTION WITH ITS SALE OF THE FACILITIES TO BUYER, AND BUYER ASSUMES ANY AND ALL RISKS AND LIABILITIES IN CONNECTION WITH THE ABSENCE OF ADEQUATE OR APPROPRIATE LAND RIGHTS.
- 5.6 **Maintenance of Facilities Pending Commencement.** From the Effective Date until the Phase Closing Date, SCE will, at its expense, operate and maintain the Facilities in accordance with SCE’s rate “Schedule LS-1 LIGHTING - STREET AND HIGHWAY - UNMETERED SERVICE COMPANY-OWNED SYSTEM,” and consistent with SCE’s custom and past practices.

**5.7 New Facilities.** Until the Commencement Date, SCE may continue to install new streetlights in the City of Moreno Valley in accordance with SCE's standard practices and tariffs and CPUC rules and regulations.

**6. COMMENCEMENT AND POST-COMMENCEMENT ACTIVITIES.**

**6.1 Commencement Date.** The "**Commencement Date**" shall be the date that is sixty (60) days after the CPUC Approval Date or after the approval of a financing plan by the City Council, whichever occurs later. The application seeking CPUC Approval will request such approval within six months of the date the application is filed. SCE makes no representations as to when or in what manner the CPUC will act on the application.

**6.2 The Phases.** The first Phase shall commence on the Commencement Date ("**Commencement**"), and each successive Phase shall follow consecutively thereafter or on such earlier date as mutually agreed by the Parties as to the Facilities identified for each Phase in **Exhibit C**. The Parties shall take the following actions during each Phase for the Facilities to be transferred to Buyer in such Phase:

- (a) For a period not to exceed four (4) months following the commencement of each Phase (each, an "**Inventory, Planning and Inspection Period**"), the Parties will perform their respective Inventory, Planning and Inspection Activities set forth in **Exhibit D**, including identifying any Reconfigured Facilities. For each Phase, SCE's Local Service Planning office shall provide written notice to Buyer before the expiration of the Inventory, Planning and Inspection Period identifying any potential Reconfigured Facilities and stating the work necessary to reconfigure such facilities for sale to Buyer and the estimated time and cost to complete the work ("**Reconfigured Facilities Notice**").
- (b) For a period of ten (10) Business Days following Buyer's receipt of the Reconfigured Facilities Notice, Buyer shall have the right to accept or reject the Reconfigured Facilities described in the Reconfigured Facilities Notice, which acceptance or rejection shall be evidenced by a written notice delivered to SCE's Local Service Planning Office.
- (c) At any time prior to the applicable Phase Closing, each Party shall perform and complete its respective Severance Activities for all Facilities in the applicable Phase, excepting only the Reconfigured Facilities identified in the Reconfigured Facilities Notice for that Phase, which Reconfigured Facilities shall be added to the final Phase. Prior to or during the final Phase, each Party shall perform and complete its respective Severance Activities for any Reconfigured Facilities.
- (d) Not later than thirty (30) days prior to each Phase Closing Date, SCE shall deliver to Buyer an original Bill of Sale duly executed by SCE. The Parties

- agree that delivery of the Bill of Sale shall be effective upon the earlier of (i) delivery to Buyer by hand of an original Bill of Sale or (ii) Buyer's receipt of a facsimile or other electronic transmission of the Bill of Sale. If delivery is made by facsimile or other electronic transmission, SCE shall concurrently send the original Bill of Sale to Buyer by registered or certified mail or overnight courier.
- (e) At any time prior to any Phase Closing, Buyer may elect at its sole and absolute discretion to remove any of the Facilities (except for Reconfigured Facilities) from any Phase and deduct on a pro rata basis the value of such Facilities from the Purchase Price.
  - (f) By each Phase Closing Date, Buyer shall pay to SCE in U.S. dollars the Purchase Price, Severance Costs, and the Taxes (but not Excluded Taxes) for the Facilities to be transferred to Buyer in such Phase.
  - (g) After completion of the final Phase, SCE's Local Service Planning Office will invoice Buyer separately for any Reconfigured Facilities.

**6.3 Assumption of Liabilities.** On each Phase Closing Date, Buyer will assume all obligations and liabilities of any kind or nature whatsoever related to, arising from, or associated with ownership or possession of the Facilities transferred to Buyer in such Phase.

**6.4 Post-Phase Activities.**

- (a) Within ninety (90) days after each Phase Closing Date, but effective as of each such Phase Closing Date, SCE will change the charge for electricity furnished to the Facilities transferred to Buyer in such Phase from the Streetlight Rate Schedule LS-1 to the Streetlight Rate Schedule "LS-2 LIGHTING - STREET AND HIGHWAY CUSTOMER-OWNED INSTALLATION - UNMETERED SERVICE" Multiple Service – Rate B and provide written notice to Buyer of such change ("Notice of Rate Change").
- (b) Within ninety (90) days after each Phase Closing Date, SCE shall provide an updated map and inventory of the Facilities transferred pursuant to such Phase to Buyer.

**6.5 Prohibition on Connecting Non-Conforming Load.** Buyer acknowledges and agrees that Buyer's purchase of the Facilities does not entitle Buyer to connect non-conforming load to the Facilities or supporting circuits beyond SCE's initial point of connection. If Buyer wishes to connect such non-conforming load, Buyer agrees to comply with SCE's applicable filed tariffs.

**7. RELEASE.**

**7.1 Release.** Buyer, for itself, and for any future owners of all or a part of the Facilities, and each of their respective predecessors, successors, assigns, licensees, officers, directors, employees, agents, partners, shareholders, transferees, parent

and subsidiary corporations, legal representatives, heirs, beneficiaries, executors and administrators hereby fully and forever releases, discharges and covenants not to sue the SCE Parties of, from or for any and all losses (including diminution in the value of the Land) and all other costs, claims, demands, actions, suits, orders, causes of action, obligations, controversies, debts, expenses, accounts, damages (including consequential or direct damages), judgments and liabilities of whatever kind or nature (including fines and civil penalties), and by whomsoever asserted, in law, equity or otherwise, whether known or unknown, (each a “**Claim**” and, collectively, “**Claims**”) arising from or in any way connected with the Facilities, Claims relating to Potential Environmental Hazards, and Claims relating to the presence of PCBs or any other Hazardous Substances in the Facilities, and/or in, on or about the Land.

**7.2 Waiver of Civil Code § 1542.** With respect to the matters being released in Paragraph 7, and as to those matters only, Buyer does knowingly, after having first obtained the advice of its attorneys, waive all of the provisions of California Civil Code § 1542 (“Section 1542”). Section 1542 reads as follows:

“A general release does not extend to claims which the creditor does not know or suspect to exist in his or her favor at the time of executing the release, which if known by him or her must have materially affected his or her settlement with the debtor.”

Buyer acknowledges and agrees that: (a) the releases set forth in Paragraph 7 are intended to extend to and extinguish all claims, causes of action, etc. that are encompassed within the terms of the releases, including those that are not presently known to or suspected by Buyer and (b) it may hereafter discover facts in addition to or different from those which it now believes concerning the subject matter of this Agreement, and that notwithstanding any such new or different facts, the releases contained herein will remain effective. Buyer further acknowledges and agrees that the foregoing waiver of Section 1542 is an essential and material term of this Agreement, without which said consideration would not have been given. Buyer has been advised by its legal counsel regarding this release and waiver and understands and acknowledges the significance and consequences of this release and waiver of Section 1542.

**8. INDEMNITY.** Buyer shall, at its sole cost and expense, indemnify, protect, defend and hold the SCE Parties harmless, to the fullest extent permitted by law, from and against any and all Claims (including the payments of damages, both actual and consequential, the payment of penalties and fines, the payment of the actual fees and expenses of experts, attorneys and others, and the payment of the cost of environmental investigations, monitoring, containment, abatement, removal, repair, cleanup, restoration, remedial work and other “response costs” under CERCLA or any other Environmental Requirements) arising from or in any way connected with: (a) any activities or failures to act in connection with this Agreement by Buyer, its employees, agents, or contractors; or (b) the ownership, possession, use or operation of the Facilities transferred to Buyer from and after the Phase Closing Date applicable to such Facilities; or (c) Potential Environmental Hazards relating to the Facilities or the presence, disposal, dumping,



escape, seepage, leakage, spillage, discharge, emission, pumping, emptying, injecting, leaching, pouring, release or threatened release of PCBs or any other Hazardous Substances in connection with the Facilities, to the extent such Hazardous Substances were present or affecting the Facilities and/or in, on, or about the Land as of the applicable Phase Closing Date; or (d) the failure of the Facilities to comply with any Applicable Requirements; or (e) Buyer's breach of any of its obligations under this Agreement. In no event shall Buyer be required to indemnify SCE for any claims to the extent related to the gross negligence or willful misconduct of SCE. If any action or proceeding is brought against any one or more SCE Parties for any Claim against which Buyer is obligated to indemnify or provide a defense hereunder, Buyer, upon written notice from SCE, shall defend the SCE Parties. Buyer's obligation to defend includes the obligation to defend claims and participate in administrative proceedings, even if they are false or fraudulent. The indemnity, defense and other obligations of Buyer in this Section 8 shall survive the termination of this Agreement.

## 9. MISCELLANEOUS.

**9.1 Time of Essence.** Time is of the essence of this Agreement and each and every provision hereof.

**9.2 Force Majeure.** Except for the payment of money when due, performance by either Party hereunder shall not be deemed to be in default, or considered to be a default, where delays or defaults are due to force majeure events beyond the control of such Party, including, without limitation, war, insurrection, strikes, lockouts, riots, floods, earthquakes, fires, casualties, acts of God, acts of the public enemy, epidemics, quarantine restrictions, government imposed moratorium legislation, actions of failures to act by any regulatory authority with jurisdiction over SCE (including the CPUC), freight embargoes, lack of transportation, weather-caused delays, inability to secure necessary labor, materials or tools, delays of any contractor, subcontractor or supplier, that are not attributable to the fault of the Party claiming an extension of time. An extension of time for any such force majeure cause shall be for the period of the enforced delay and shall commence to run from the date of occurrence of the delay; provided, however, that the Party claiming the existence of the delay first provides the other party with written notice of the occurrence of the delay, within ten (10) days of the commencement of such occurrence of a force majeure event and, thereafter, takes prompt and reasonable action within its control to remedy such force majeure event.

**9.3 Further Assurances.** Each Party hereto agrees to execute and deliver to the other Party such further documents or instruments as may be necessary or appropriate in order to carry out the intentions of the Parties as contained in this Agreement.

**9.4 Binding Effect; Assignment.** This Agreement shall be binding upon, and shall inure to the benefit of, the heirs, successors and assigns of the Parties hereto.

Notwithstanding the foregoing, Buyer shall have no right to assign this Agreement or any of its rights or obligations under this Agreement.

- 9.5 Severability.** If any provision of this Agreement shall be unenforceable or invalid, the same shall not affect the remaining provisions of this Agreement and the provisions of this Agreement are intended to be and shall be severable.
- 9.6 Survival.** The covenants, agreements, obligations, indemnities and releases contained in Sections 3.3, 5, 6.3, 6.4, 6.5, 7 and 8 of this Agreement shall survive the termination of this Agreement.
- 9.7 Governing Laws.** This Agreement shall be governed by, and construed and enforced in accordance with, the laws of the State of California without reference to its conflicts of laws provisions.
- 9.8 Counterparts.** This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.
- 9.9 Notices.** Any notice or other communication required or permitted under this Agreement shall be in writing and shall be either personally delivered or transmitted by registered or certified mail, return receipt requested, postage prepaid, or by a nationally recognized overnight courier, such as FedEx or Airborne Express, addressed to the Parties as follows:

If to SCE: Manager of Streetlights  
 Attention: John King  
 Southern California Edison  
 6042 A Irwindale Ave, Irwindale CA 91702

If to Buyer: Public Works Director  
 City of Moreno Valley  
 PO Box 88005  
 Moreno Valley, CA 92552-0805

The date of any notice or communication shall be deemed to be the date of receipt if delivered personally, or the date of the receipt or refusal of delivery if transmitted by mail or overnight courier. Any Party may change its address for notice by giving notice to the other Party in accordance with this Section 9.7.

- 9.10 Limitation on Liability.** Buyer expressly agrees that the obligations and liabilities of SCE under this Agreement and any document referenced herein shall not constitute personal obligations of the officers, directors, employees, agents, affiliates, members, representatives, stockholders or other principals or representatives of SCE. SCE expressly agrees that the obligations and liabilities

of Buyer under this Agreement and any document referenced herein shall not constitute personal obligations of the officers, directors, employees, agents, affiliates, members, representatives, stockholders or other principals or representatives of Buyer. The limitations contained in this Section 9.9 shall survive the termination of this Agreement.

**9.11 Exhibits.** The following Exhibits are attached hereto and incorporated by reference into this Agreement.

Exhibit A	Description of the Facilities
Exhibit B	Form of Bill of Sale
Exhibit C	Phases
Exhibit D	Inventory, Planning and Inspection Activities
Exhibit E	Communications Equipment
Exhibit F	Pole Attachment License Agreement
Exhibit G	Point of Demarcation Diagrams

**9.12 Dispute Resolution.** In the event any dispute arises concerning the enforcement and/or interpretation of this Agreement, the Parties agree to attempt initially to settle such claims or disputes in good faith between themselves. Said obligation to discuss settlement of such claims or disputes shall be initiated by written notice of such claim or dispute. Should the Parties not settle such claims or disputes within thirty (30) days of the date of mailing of such notice or within such additional time period to which the Parties agree in writing (the "Negotiation Period"), the Parties may mutually agree to submit any such claim or dispute to mediation. In such case, the Parties will select an independent mediator within thirty (30) days of the expiration of the Negotiation Period (the "Selection Period"), either by mutual agreement or, in the absence of agreement on a mediator, by requesting during the Selection Period that the American Arbitration Association in Riverside, California appoint a mediator. The mediation shall be commenced within thirty (30) days of the selection of a mediator by the Parties or the American Arbitration Association. Except as provided herein or by written agreement of the Parties, the mediation shall be conducted in Riverside pursuant to the rules of the American Arbitration Association. If the Parties are unable to settle the dispute through discussions or in mediation, each Party shall have the right to pursue all of its remedies at law or in equity. The covenants of Buyer and SCE contained in this Section 9.13 shall survive the termination of this Agreement.

**9.13 Communications Equipment.** Buyer acknowledges that the Facilities have certain SCE-owned and operated radio equipment, used for the collection and relay of data from meters and the collection, relay, and communication with SCE distribution systems, attached to them as identified in Exhibit E ("Communications Equipment"). Concurrently with each Phase Closing Date, Buyer shall grant to SCE a cost-free license to leave in place, operate, maintain, replace and remove any Communications Equipment attached to Facilities included in such Phase pursuant to a Pole Attachment License Agreement.



**9.14 Interpretation.** The language in all parts of this Agreement shall be construed according to its normal and usual meaning and not strictly for or against either SCE or Buyer. The headings of the paragraphs of this Agreement are inserted solely for convenience of reference and are not a part of and are not intended to govern, limit or aid in the construction of any terms or provisions hereof. The words “include,” “includes,” and “including” shall be deemed to be followed by the phrase “without limitation.”

**9.15 Authority.** Each Party represents and warrants that the execution, delivery and performance of this Agreement has been duly authorized by such Party and each person signing this Agreement on its behalf is duly and validly authorized to do so.

**9.16 Prior Agreements.** This Agreement and the exhibits hereto contain the entire agreement and understating of the Parties relating to the subject matter hereto and shall supersede any prior written or oral agreements or communications between the Parties pertaining to such subject matter.

**IN WITNESS WHEREOF**, the Parties hereto have caused this agreement to be duly executed as of the date and year first written above.

[SIGNATURES APPEAR ON FOLLOWING PAGE]

SCE:

SOUTHERN CALIFORNIA EDISON,  
a California corporation

By: \_\_\_\_\_

Its: \_\_\_\_\_

BUYER:

CITY OF MORENO VALLEY,  
a California charter city and municipal  
corporation

By: \_\_\_\_\_

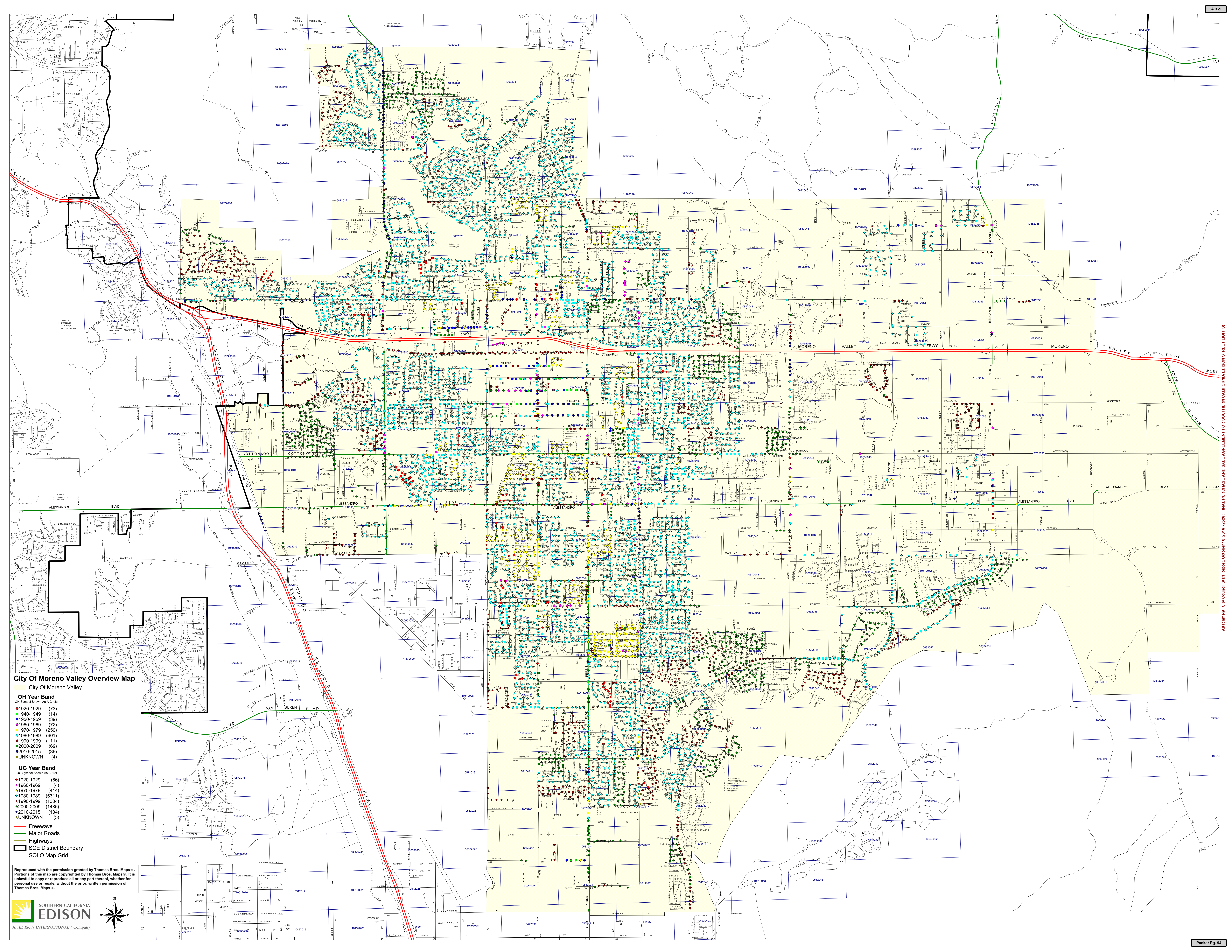
Its: \_\_\_\_\_

ATTEST:

\_\_\_\_\_  
City Clerk

**Exhibit A**  
**Description of Facilities**





**City of Moreno Valley Overview Map**  
 City Of Moreno Valley

- OH Year Band**  
 OH Symbol Shown As A Circle
- 1920-1929 (73)
  - 1940-1949 (14)
  - 1950-1959 (39)
  - 1960-1969 (72)
  - 1970-1979 (250)
  - 1980-1989 (601)
  - 1990-1999 (1111)
  - 2000-2009 (69)
  - 2010-2015 (39)
  - UNKNOWN (4)
- UG Year Band**  
 UG Symbol Shown As A Star
- ★ 1920-1929 (66)
  - ★ 1960-1969 (4)
  - ★ 1970-1979 (414)
  - ★ 1980-1989 (5311)
  - ★ 1990-1999 (1304)
  - ★ 2000-2009 (1485)
  - ★ 2010-2015 (134)
  - ★ UNKNOWN (5)
- Freeways  
— Major Roads  
— Highways  
 SCE District Boundary  
 SOLO Map Grid

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Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4165881E	CONCRETE	1990	E/S LASSELLE, 5592' S/O VIA HAMACA	10492040	22000L	-117.208680651	33.8601671619	29	1491960
4165882E	CONCRETE	1990	W/S LASSELLE, 5592' S/O VIA HAMACA	10492040	22000L	-117.208802644	33.8601814693	29	1491960
4165883E	CONCRETE	1990	E/S LASSELLE, 5781' S/O VIA HAMACA	10492040	22000L	-117.208646471	33.8596284046	29	1491960
4165884E	CONCRETE	1990	W/S LASSELLE, 5781' S/O VIA HAMACA	10492040	22000L	-117.208799498	33.8596410853	29	1491960
4478897E	CONCRETE	2003	INDIAN ST E/S 540' S/O NANDINA	10512031	22000L	-117.234615200	33.8649739856	32	1491960
4478898E	CONCRETE	2003	INDIAN ST E/S 700' S/O NANDINA	10512031	22000L	-117.234629264	33.8645407982	32	1491960
4162008E	CONCRETE	1993	BIF ST. N/S, 545' E/O C/L PERRIS BL.	10512034	9500L	-117.224390145	33.8629061207	25	1491962
4162009E	CONCRETE	1993	BIFF ST N/S,820' E/O PERRIS BLVD	10512034	9500L	-117.223476604	33.8629176145	29	1491962
4162010E	CONCRETE	1993	BIFF ST N/S,970' E/O PERRIS BLVD	10512034	9500L	-117.222968443	33.8629258349	29	1491962
4162001E	CONCRETE	1993	PERRIS BL. E/S, 694' N/O C/L BIF ST.	10512034	22000L	-117.226124420	33.8646785928	29	1491960
4162002E	CONCRETE	1993	PERRIS BL. E/S, 516' N/O C/L BIF ST.	10512034	22000L	-117.226102648	33.8642006700	29	1491960
4162003E	CONCRETE	1993	PERRIS BL. E/S, 306' N/O C/L BIF ST.	10512034	22000L	-117.226113869	33.8636500651	29	1491960
4318200E	CONCRETE	1997	PERRIS BLVD E/S 106' N/O GLOBE ST	10512034	22000L	-117.226114606	33.8630948275	29	1491960
4507463E	CONCRETE	2003	PERRIS BLVD E/S 470' S/O NANDINA AVE	10512034	22000L	-117.226129210	33.8652882272	32	1491960
4513310E	CONCRETE	2003	GLOBE ST. S/S, 310' E/O C/L PERRIS BLVD	10512034	22000L	-117.225121525	33.8627172645	32	1491960
4513311E	CONCRETE	2003	GLOBE ST. S/S, 767' E/O C/L PERRIS BLVD	10512034	22000L	-117.223645677	33.8628193756	32	1491960
4513312E	CONCRETE	2003	GLOBE ST. S/S, 1198' E/O C/L PERRIS BLVD	10512034	22000L	-117.222243041	33.8628388927	32	1491960
4513313E	CONCRETE	2003	GLOBE ST. S/S, 1627' E/O C/L PERRIS BLVD	10512037	22000L	-117.220775298	33.8628350031	32	1491960
4513314E	CONCRETE	2003	GLOBE ST. S/S, 2090' E/O C/L PERRIS BLVD	10512037	22000L	-117.219396178	33.8626393042	32	1491960
4165878E	CONCRETE	1990	W/S LASSELLE, 5172' S/O VIA HAMACA	10512040	22000L	-117.208786775	33.8612476349	29	1491960
4165879E	CONCRETE	1990	E/S LASSELLE, 5382' S/O VIA HAMACA	10512040	22000L	-117.208654201	33.8606532275	29	1491960
4165880E	CONCRETE	1990	W/S LASSELLE, 5382' S/O VIA HAMACA	10512040	22000L	-117.208789087	33.8606730147	29	1491960
4165861E	CONCRETE	1990	W/S LASSELLE, 3627' S/O VIA HAMACA	10512040	22000L	-117.209144729	33.8651199101	29	1491960
4165863E	CONCRETE	1990	W/S LASSELLE, 3824' S/O VIA HAMACA	10512040	22000L	-117.208895813	33.8646279896	29	1491960
4165865E	CONCRETE	1990	W/S LASSELLE, 4018' S/O VIA HAMACA	10512040	22000L	-117.208764310	33.8640985579	29	1491960
4165866E	CONCRETE	1990	E/S LASSELLE, 4212' S/O VIA HAMACA	10512040	22000L	-117.208643813	33.8635827451	29	1491960
4165871E	CONCRETE	1990	E/S LASSELLE, 4612' S/O VIA HAMACA	10512040	22000L	-117.208628319	33.8625698818	29	1491960
4165872E	CONCRETE	1990	W/S LASSELLE, 4612' S/O VIA HAMACA	10512040	22000L	-117.208785097	33.8625867445	29	1491960
4165873E	CONCRETE	1990	E/S LASSELLE, 4812' S/O VIA HAMACA	10512040	22000L	-117.208641108	33.8620946602	29	1491960
4299277E	CONCRETE	1996	W/S LASSELLE 4212' S/O VIA HAMACA	10512040	22000L	-117.208791308	33.8635988157	28	1491960
4318139E	CONCRETE	2002	W/S LASSELLE, 4412' S/O VIA HAMACA	10512040	22000L	-117.208797507	33.8630846984	31	1491960
4415327E	CONCRETE	2006	W/S LASSELLE, 4812' S/O VIA HAMACA	10512040	22000L	-117.208793489	33.8620433022	31	1491960
4542435E	CONCRETE	2006	AVENIDA CLASSICA S/S, 4' W/O CALLE DE AMIGOS	10512040	9500L	-117.210185248	33.8656931835	27	1491962
4532877E	CONCRETE	2007	E/S LASSELLE, 4412' S/O VIA HAMACA	10512040	22000L	-117.208642869	33.8630912675	31	1491960
4709683E	CONCRETE	2008	E/S LASSELLE, 3627' S/O VIA HAMACA	10512040	22000L	-117.208993063	33.8651742836	31	1491960
4725914E	CONCRETE	2010	E/S LASSELLE, 3824' S/O VIA HAMACA	10512040	22000L	-117.208771839	33.8646401904	32	1491960
4709517E	CONCRETE	2008	E/S LASSELLE, 4018' S/O VIA HAMACA	10512040	22000L	-117.208632240	33.8640947139	29	1491960
4163017E	CONCRETE	1991	NANDINA N/S, 188' W/O C/L KNOX ST.	10532031	9500L	-117.232615100	33.8665223908	25	1491962
4163018E	CONCRETE	1991	N/W C/O KNOX & NANDINA	10532031	9500L	-117.232022293	33.8665494179	25	1491962
4163019E	CONCRETE	1991	KNOX W/S, 316' N/O C/L NANDINA	10532031	9500L	-117.232034247	33.8676378901	25	1491962
4163020E	CONCRETE	1991	KNOX W/S, 716' N/O C/L NANDINA	10532031	9500L	-117.232035148	33.8687139316	25	1491962
4666570E	CONCRETE	2006	NANDINA AV S/S, 929' W/O C/L INDIAN ST	10532031	22000L	-117.237762978	33.8664476039	32	1491960
4666571E	CONCRETE	2006	NANDINA AV S/S, 682' W/O C/L INDIAN ST	10532031	22000L	-117.236942160	33.8664597936	27	1491960
4402827E	CONCRETE	2003	N/E C/O MODULAR & PERRIS BLVD	10532034	22000L	-117.226096757	33.8692607402	32	1491960
4402841E	CONCRETE	2003	PERRIS BLVD E/S 163' S/O SAN MICHELE RD	10532034	22000L	-117.226105580	33.8696574169	32	1491960
4402842E	CONCRETE	2003	PERRIS BLVD E/S 150' N/O SAN MICHELE RD.	10532034	22000L	-117.226124755	33.8704701870	32	1491960
4430373E	CONCRETE	2003	MODULAR WAY N/S 450' E/O PERRIS BLVD	10532034	22000L	-117.224692002	33.8693064713	32	1491960
4430375E	CONCRETE	2003	MODULAR WAY N/S 850' E/O PERRIS BLVD	10532034	22000L	-117.223406417	33.8693151591	32	1491960
4432810E	CONCRETE	2003	PERRIS BLVD E/S 355' N/O SAN MICHELE RD	10532034	22000L	-117.226100435	33.8709373193	32	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4445699E	CONCRETE	2003	MODULAR WAY N/S 1270' E/O PERRIS BLVD	10532034	22000L	-117.222012501	33.8693366499	32	1491960
4507452E	CONCRETE	2003	MODULAR WAY S/S 265' E/O C/L PERRIS BLVD	10532034	22000L	-117.225308125	33.8691677899	32	1491960
4507453E	CONCRETE	2003	MODULAR WAY S/S 663' E/O C/L PERRIS BLVD	10532034	22000L	-117.223980044	33.8691978516	32	1491960
4507454E	CONCRETE	2003	MODULAR WAY S/S 1061' E/O C/L PERRIS BLVD	10532034	22000L	-117.222671938	33.8692105847	32	1491960
4507455E	CONCRETE	2003	MODULAR WAY S/S 1276' E/O C/L PERRIS BLVD	10532034	22000L	-117.221912533	33.8692273491	32	1491960
4507458E	CONCRETE	2003	PERRIS BLVD E/S 875' N/O C/L NANDINA AVE	10532034	22000L	-117.226120031	33.8689464389	32	1491960
4507459E	CONCRETE	2003	PERRIS BLVD E/S 675' N/O C/L NANDINA AVE	10532034	22000L	-117.226133592	33.8683993238	32	1491960
4507460E	CONCRETE	2003	PERRIS BLVD E/S 480' N/O C/L NANDINA AVE	10532034	22000L	-117.226133211	33.8678602287	32	1491960
4507461E	CONCRETE	2003	PERRIS BLVD E/S 280' N/O C/L NANDINA AVE	10532034	22000L	-117.226118475	33.8673138134	32	1491960
4529647E	CONCRETE	2005	PERRIS BLVD E/S 280' S/O C/L NANDINA AVE	10532034	22000L	-117.226112848	33.8658182408	32	1491960
4432844E	CONCRETE	2003	MODULAR WAY N/S 1665' E/O PERRIS BLVD	10532037	22000L	-117.220736901	33.8693722901	32	1491960
4507456E	CONCRETE	2003	MODULAR WAY S/S 1676' E/O C/L PERRIS BLVD	10532037	22000L	-117.220691973	33.8692622569	32	1491960
4542545E	CONCRETE	2004	CALLE RIO VISTA W/S, 30' N/O AVENIDA DE PLATA	10532037	9500L	-117.212139298	33.8694946827	27	1491962
4542546E	CONCRETE	2004	CALLE RIO VISTA E/S, 142' S/O AVENIDA DE PLATA	10532037	9500L	-117.211968686	33.8698215932	27	1491962
4542428E	CONCRETE	2005	CALLE RIO VISTA W/S, 41' S/O HACIENDA CT	10532037	9500L	-117.212145980	33.8685396806	27	1491962
4542429E	CONCRETE	2005	CALLE RIO VISTA E/S, 44' N/O FUENTE CT	10532037	9500L	-117.212019377	33.8679956694	27	1491962
4542440E	CONCRETE	2005	CALLE RIO VISTA W/S, 118' N/O AVENIDA ESPALD	10532037	9500L	-117.212152775	33.8674900110	27	1491962
4542441E	CONCRETE	2005	CALLE RIO VISTA E/S, 40' S/O AVENIDA ESPALDAR	10532037	9500L	-117.212031027	33.8670381497	27	1491962
4542442E	CONCRETE	2005	CALLE RIO VISTA W/S, 12' N/O MAGNIFICA CT	10532037	9500L	-117.212170892	33.8664283535	27	1491962
4165853E	CONCRETE	1990	E/S LASSELLE, 2827' S/O VIA HAMACA	10532040	22000L	-117.210045103	33.8673413767	29	1491960
4165854E	CONCRETE	1990	W/S LASSELLE, 3047' S/O VIA HAMACA	10532040	22000L	-117.209886629	33.8666737350	29	1491960
4165855E	CONCRETE	1990	E/S LASSELLE, 3047' S/O VIA HAMACA	10532040	22000L	-117.209727729	33.8667046358	29	1491960
4165856E	CONCRETE	1990	W/S LASSELLE, 3267' S/O VIA HAMACA	10532040	22000L	-117.209613798	33.8661228301	29	1491960
4150677E	CONCRETE	1990	E/S LASSELLE, 1509' S/O VIA HAMACA	10532040	22000L	-117.210766194	33.8706655153	29	1491960
4151689E	CONCRETE	1990	W/S LASSELLE, 1327' S/O VIA HAMACA	10532040	22000L	-117.210919728	33.8711804693	29	1491960
4151690E	CONCRETE	1990	E/S LASSELLE, 1412' S/O VIA HAMACA	10532040	22000L	-117.210800757	33.8709706238	29	1491960
4151692E	CONCRETE	1990	E/S LASSELLE, 1737' S/O VIA HAMACA	10532040	22000L	-117.210782727	33.8700587296	29	1491960
4151693E	CONCRETE	1990	W/S LASSELLE, 1813' S/O VIA HAMACA	10532040	22000L	-117.210913484	33.8698723132	29	1491960
4524336E	CONCRETE	2003	S/W C/O LASSELLE & AVENIDA DE PLATA	10532040	22000L	-117.210910254	33.8694556312	32	1491960
4151696E	CONCRETE	1990	E/S LASSELLE, 2218' S/O VIA HAMACA	10532040	22000L	-117.210596508	33.8688032904	29	1491960
4151697E	CONCRETE	1990	W/S LASSELLE, 2218' S/O VIA HAMACA	10532040	22000L	-117.210757991	33.8687653685	29	1491960
4318129E	CONCRETE	2002	LASSELLE E/S 271' N/O AVE ESPLADAR	10532040	22000L	-117.210415394	33.8681926107	31	1491960
4151699E	CONCRETE	1990	W/S LASSELLE, 2420' S/O VIA HAMACA	10532040	22000L	-117.210547094	33.8681582701	29	1491960
4151700E	CONCRETE	1990	E/S LASSELLE, 2624' S/O VIA HAMACA	10532040	22000L	-117.210216091	33.8677731381	29	1491960
4165851E	CONCRETE	1990	W/S LASSELLE, 2624' S/O VIA HAMACA	10532040	22000L	-117.210354466	33.8677128597	29	1491960
4542544E	CONCRETE	2004	AVENIDA DE PLATA N/S, 217' W/O LASSELLE ST	10532040	9500L	-117.211438463	33.8695432076	27	1491962
4529648E	CONCRETE	2005	W/S LASSELLE, 1/4 MILE S/O ARROYO PARK	10532040	22000L	-117.210909576	33.8706590325	31	1491960
4542430E	CONCRETE	2005	FUENTE CT S/S, 134' E/O CALLE RIO VISTA	10532040	9500L	-117.211618500	33.8678625656	27	1491962
4542426E	CONCRETE	2006	HACIENDA CT N/S, 124' E/O CALLE RIO VISTA	10532040	9500L	-117.211574910	33.8687485308	27	1491962
4542427E	CONCRETE	2005	HACIENDA CT N/S, 291' E/O CALLE RIO VISTA	10532040	9500L	-117.211045427	33.8687620232	27	1491962
4542431E	CONCRETE	2005	FUENTE CT N/S, 318' E/O CALLE RIO VISTA	10532040	9500L	-117.211164354	33.8679933658	27	1491962
4542432E	CONCRETE	2005	AVENIDA ESPALDAR N/S, 27' W/O CALLE DE AMIG	10532040	9500L	-117.210845685	33.8672908488	27	1491962
4542433E	CONCRETE	2005	CALLE DE AMIGOS E/S, 173' S/O AVENIDA ESPALD	10532040	9500L	-117.210452148	33.8667657651	27	1491962
4542434E	CONCRETE	2005	CALLE DE AMIGOS W/S, 180' N/O AVENIDA CLASS	10532040	9500L	-117.210390052	33.8662261900	27	1491962
4542439E	CONCRETE	2005	AVENIDA ESPALDAR S/S, 194' E/O CALLE RIO VIST	10532040	9500L	-117.211473060	33.8671003014	27	1491962
4542443E	CONCRETE	2005	MAGNIFICA CT N/S, 124' E/O CALLE RIO VISTA	10532040	9500L	-117.211588607	33.8664408187	27	1491962
4524335E	CONCRETE	2005	LASSELLE W/S 20' S/O AVENIDA ESALDAR	10532040	22000L	-117.210130559	33.8672415930	32	1491960
4357894E	CONCRETE	1998	HEACOCK ST E/S 350' N/O MARIPOSA AVE C/L	10552028	22000L	-117.243503837	33.8760997930	32	1491960
4357895E	CONCRETE	1998	HEACOCK ST E/S 150' N/O MARIPOSA AVE C/L	10552028	22000L	-117.243541695	33.8753767513	32	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4357896E	CONCRETE	1998	MARIPOSA AVE N/S 100' E/O HEACOCK ST C/L	10552028	22000L	-117.242955468	33.8751066028	32	1491960
4357897E	CONCRETE	1998	MARIPOSA AVE N/S 300' E/O HEACOCK ST C/L	10552028	22000L	-117.242059424	33.8751137228	32	1491960
4163183E	CONCRETE	1992	N/W C/O SUPERIOR & HUDSON BAY, MRNO VLY	10552031	9500L	-117.232200701	33.8760282204	25	1491962
4163186E	CONCRETE	1992	SUPERIOR S/S, 90' E/O C/L TRINITY BAY, MV	10552031	9500L	-117.232770720	33.8759017104	25	1491962
4163187E	CONCRETE	1992	N/W C/O SUPERIOR & TRINITY BAY, MV	10552031	9500L	-117.233184215	33.8760061801	25	1491962
4163191E	CONCRETE	1992	N/W C/O SUPERIOR & BALTIC CT., MRNO VLY	10552031	9500L	-117.234174086	33.8759873841	25	1491962
4163192E	CONCRETE	1992	BALTIC CT. E/S, 220' N/O C/L SUPERIOR, MV	10552031	9500L	-117.234047366	33.8765001051	25	1491962
4165683E	CONCRETE	1992	SIXOH N/O LAKEVIEW	10552031	9500L	-117.234709491	33.8758269985	25	1491962
4165684E	CONCRETE	1992	INDIAN E/S, 200' N/O C/L SUPERIOR, MV	10552031	9500L	-117.234731458	33.8764944148	25	1491962
4222688E	CONCRETE	1993	S/E C/O SUPERIOR & BALTIC CT. EXTN'D	10552031	9500L	-117.234009017	33.8760034780	25	1491962
4357898E	CONCRETE	1998	MARPOSA AVE N/S 500' E/O HEACOCK ST C/L	10552031	22000L	-117.241189696	33.8751178688	32	1491960
4357899E	CONCRETE	1998	MARPOSA AVE N/S 700' E/O HEACOCK ST C/L	10552031	22000L	-117.240148227	33.8750849038	32	1491960
4357900E	CONCRETE	1998	MARPOSA AVE N/S 860' E/O HEACOCK ST C/L	10552031	22000L	-117.239176218	33.8750761107	32	1491960
4163188E	CONCRETE	2007	E/S TRINITY BAY 225' N/O SUPERIOR	10552031	9500L	-117.233024994	33.8764858298	25	1491962
4062248E	CONCRETE	1990	E/S MEDITERRANEAN 50' N/O SUBURBAN	10552034	9500L	-117.226735343	33.8758109650	25	1491962
4062249E	CONCRETE	1990	N/S SUBURBAN 50' W/O MEDITERRANEAN	10552034	9500L	-117.226945176	33.8756070461	25	1491962
4062250E	CONCRETE	1990	W/S MEDITERRANEAN 270' N/O SUBURBAN	10552034	9500L	-117.226919102	33.8764706517	25	1491962
4151589E	CONCRETE	1990	ST GEORGE W/S, 415' N/O C/L SUBURBAN, MRNO	10552034	9500L	-117.227866848	33.8765177123	25	1491962
4151590E	CONCRETE	1990	ST GEORGE E/S, 200' N/O C/L SUBURBAN, MRNO	10552034	9500L	-117.227751838	33.8761504698	25	1491962
4151591E	CONCRETE	1990	N/W C/O SUBURBAN & ST GEORGE, MRNO VLY	10552034	9500L	-117.228006059	33.8756046241	25	1491962
4151592E	CONCRETE	1990	N/W C/O SUBURBAN & LAKE VICTORIA, MRNO VLY	10552034	9500L	-117.228867793	33.8763000722	25	1491962
4151593E	CONCRETE	1990	SUBURBAN N/S, 200' W/O C/L LAKE VICTORIA, MRNO	10552034	9500L	-117.229363947	33.8755854012	25	1491962
4151594E	CONCRETE	1990	SUBURBAN N/S, 460' W/O C/L LAKE VICTORIA, MRNO	10552034	9500L	-117.230173172	33.8756003545	25	1491962
4151595E	CONCRETE	1990	S/W C/O LAKE VICTORIA & SUPERIOR, MRNO VLY	10552034	9500L	-117.228857285	33.8761766217	25	1491962
4151596E	CONCRETE	1990	SUPERIOR N/S, 245' W/O C/L LAKE VICTORIA, MRNO	10552034	9500L	-117.229585086	33.8763070356	25	1491962
4151597E	CONCRETE	1990	SUPERIOR S/S, 415' W/O C/L LAKE VICTORIA, MRNO	10552034	9500L	-117.230141854	33.8762104981	25	1491962
4163184E	CONCRETE	1992	SUPERIOR N/S, 400' E/O C/L HUDSON BAY, MV	10552034	9500L	-117.230755165	33.8762858200	25	1491962
4163185E	CONCRETE	1992	SUPERIOR S/S, 280' E/O C/L HUDSON BAY	10552034	9500L	-117.231314009	33.8759989115	25	1491962
4057966E	CONCRETE	1989	SLATE CREEK S/S, 150' W/O HARGIS CREEK	10552034	9500L	-117.225052967	33.8743450463	25	1491962
4057967E	CONCRETE	1989	SLATE CREEK N/S, 45' E/O HARGIS CREEK	10552034	9500L	-117.224339191	33.8744273998	25	1491962
4057968E	CONCRETE	1989	SLATE CREEK S/S, 370' E/O HARGIS CREEK	10552034	9500L	-117.223501675	33.8743428206	25	1491962
4057969E	CONCRETE	1989	SLATE CREEK N/S, 590' E/O HARGIS CREEK	10552034	9500L	-117.222865381	33.8744347497	25	1491962
4065909E	CONCRETE	1988	MAJESTIC PRINCE WY E/S, 230' N/O HARKER LN	10552034	9500L	-117.225344604	33.8765096442	25	1491962
4065910E	CONCRETE	1988	HARKER LN S/S, 30' S/O MAJESTIC PRINCE WY	10552034	9500L	-117.225407493	33.8758770688	25	1491962
4065911E	CONCRETE	1988	HARKER CR E/S, 30' N/O HARKER LN	10552034	9500L	-117.224538902	33.8760072610	25	1491962
4065912E	CONCRETE	1988	HARKER LN S/S, 240' E/O HARKER CR	10552034	9500L	-117.223987268	33.8758796547	25	1491962
4065913E	CONCRETE	1988	HARKER LN S/S, 30' S/O SECRETARIAT DR	10552034	9500L	-117.223002264	33.8758873244	25	1491962
4065919E	CONCRETE	1988	SECRETARIAT DR W/S, 30' S/O WAR CLOUD DR	10552034	9500L	-117.222865719	33.8767071117	25	1491962
4065945E	CONCRETE	1988	HARGIS CREEK PL W/S, 135' N/O SLATE CREEK DR	10552034	9500L	-117.224536145	33.8747895274	25	1491962
4065946E	CONCRETE	1988	PEBBLE CREEK WY S/S, 175' W/O HARGIS CREEK PL	10552034	9500L	-117.225313951	33.8751987831	25	1491962
4065947E	CONCRETE	1988	PEBBLE CREEK WY S/S, 40' E/O HARGIS CREEK PL	10552034	9500L	-117.224316765	33.8751410108	25	1491962
4065948E	CONCRETE	1988	PEBBLE CREEK WY N/S, 295' E/O HARGIS CREEK PL	10552034	9500L	-117.223764011	33.8752553294	25	1491962
4065949E	CONCRETE	1988	PEBBLE CREEK WY S/S, 280' W/O SADDLEBROOK LN	10552034	9500L	-117.222856702	33.8751533014	25	1491962
4065950E	CONCRETE	1988	SADDLEBROOK LN W/S, 40' S/O PEBBLE CREEK WY	10552034	9500L	-117.221910301	33.8750657594	25	1491962
4057963E	CONCRETE	1989	PERRIS BL E/S, 60' N/O SLATE CREEK	10552034	22000L	-117.226024927	33.8745488006	29	1491960
4057964E	CONCRETE	1989	PERRIS BL E/S, 248' N/O SLATE CREEK	10552034	22000L	-117.226045335	33.8751085072	29	1491960
4062246E	CONCRETE	1990	W/S PERRIS BLVD. 225' N/O SUBURBAN	10552034	22000L	-117.226173052	33.8762571428	29	1491960
4065902E	CONCRETE	1988	PERRIS BLVD E/S, 675' S/O NORTHERN DANCER DR	10552034	22000L	-117.226047945	33.8760338384	29	1491960
4317361E	CONCRETE	1997	PERRIS BL E/S 140' S/O SLATE CREEK	10552034	22000L	-117.226064384	33.8739186229	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4430371E	CONCRETE	2003	PERRIS BLVD E/S 515'N/O SAN MICHELE RD.	10552034	22000L	-117.226125708	33.8714210886	32	1491960
4065914E	CONCRETE	1988	SADDLEBROOK LN W/S, 40' N/O HARKER LN	10552037	9500L	-117.221910384	33.8760585384	25	1491962
4112740E	CONCRETE	1993	W/S VIA LUNADO, 390' W/O VIA PAMPLONA	10552037	9500L	-117.216914486	33.8764446892	25	1491962
4112741E	CONCRETE	1993	S/S VIA LUNADO, 140' W/O VIA PAMPLONA	10552037	9500L	-117.216447501	33.8766617454	25	1491962
4112779E	CONCRETE	1993	WEST END OF CAMINO BELLAGIO	10552037	9500L	-117.215981619	33.8761230263	25	1491962
4112783E	CONCRETE	1993	WEST END OF SIERRA CADIZA	10552037	9500L	-117.215723725	33.8753986812	25	1491962
4112788E	CONCRETE	1993	W/S VIA LUNADO, 200' N/O CAMINO MARILENA	10552037	9500L	-117.216877132	33.8751858707	25	1491962
4112789E	CONCRETE	1993	E/S VIA LUNADO, 390' N/O CAMINO MARILENA	10552037	9500L	-117.216783849	33.8758044404	25	1491962
4112943E	CONCRETE	1989	S/S PLUMERIA, 10' W/O HOLLYHOCK	10552037	9500L	-117.219166573	33.8742740736	25	1491962
4112944E	CONCRETE	1989	S/S PLUMERIA, 50' W/O MAILE	10552037	9500L	-117.218251761	33.8742873192	25	1491962
4112945E	CONCRETE	1989	W/S KITCHING, 45' S/O PLUMERIA	10552037	9500L	-117.217576495	33.8741697761	25	1491962
4112946E	CONCRETE	1989	E/S MAILE, 150' N/O PLUMERIA	10552037	9500L	-117.218049356	33.8747756200	25	1491962
4112947E	CONCRETE	1989	W/S MAILE, 330' N/O PLUMERIA	10552037	9500L	-117.218207788	33.8752555114	25	1491962
4113489E	CONCRETE	1989	W/S KITCHING, 260' S/O LURIN	10552037	9500L	-117.217539678	33.8764997591	25	1491962
4113492E	CONCRETE	1989	W/S HOLLYHOCK, 210' S/O LURIN	10552037	9500L	-117.219190610	33.8766903912	25	1491962
4113493E	CONCRETE	1989	E/S HOLLYHOCK, 150' N/O LUPINE	10552037	9500L	-117.219089657	33.8762306091	25	1491962
4113494E	CONCRETE	1989	W/S HOLLYHOCK, 20' S/O LUPINE	10552037	9500L	-117.219204512	33.8756992079	25	1491962
4113496E	CONCRETE	1989	E/S LIATRIS, 150' N/O LUPINE	10552037	9500L	-117.218082134	33.8763194151	25	1491962
4113497E	CONCRETE	1989	W/S LIATRIS, 330' N/O LUPINE	10552037	9500L	-117.218215217	33.8767092664	25	1491962
4113498E	CONCRETE	1989	W/S KITCHING, 140' S/O LUPINE	10552037	9500L	-117.217549540	33.8754902564	25	1491962
4113499E	CONCRETE	1989	E/S HOLLYHOCK, 215' S/O LUPINE	10552037	9500L	-117.219086701	33.8752244858	25	1491962
4113500E	CONCRETE	1989	W/S HOLLYHOCK, 170' N/O PLUMERIA	10552037	9500L	-117.219202429	33.8748341983	25	1491962
4269281E	CONCRETE	1993	N/S CAMINO MARILENA, 40' E/O VIA LUNADO	10552037	9500L	-117.216636663	33.8746657412	25	1491962
4269284E	CONCRETE	1993	E/S VIA PAMPLONA, 150' N/O CAMINO BELLAGIO	10552037	9500L	-117.215834944	33.8767089656	25	1491962
4112771E	CONCRETE	1990	N/S CAMINO BELLO, 160' W/O VIA ALEGRIA	10552037	9500L	-117.214689421	33.8766259913	25	1491962
4112782E	CONCRETE	1993	S/S CAMINO BELLAGIO, 135' E/O VIA PAMPLONA	10552037	9500L	-117.215174467	33.8764049542	25	1491962
4112784E	CONCRETE	1993	W/S VIA PAMPLONA, 40' S/O SIERRA CADIZA	10552037	9500L	-117.215202205	33.8752169291	25	1491962
4112785E	CONCRETE	1993	N/S CAMINO MARILENA, 60' W/O VIA PAMPLONA	10552037	9500L	-117.215414711	33.8746519082	25	1491962
4112786E	CONCRETE	1993	S/S CAMINO MARILENA, 190' W/O VIA PAMPLON	10552037	9500L	-117.215796327	33.8745553265	25	1491962
4114306E	CONCRETE	1989	E/S ARROYO PARK, 220' S/O VIA JACARA	10552037	9500L	-117.212259436	33.8752980721	25	1491962
4114307E	CONCRETE	1989	W/S ARROYO PARK, 35' S/O VIA JACARA	10552037	9500L	-117.212680124	33.8758466620	25	1491962
4114308E	CONCRETE	1989	EAST END OF VIA JACARA	10552037	9500L	-117.212056089	33.8760159374	25	1491962
4114309E	CONCRETE	1989	E/S ARROYO PARK, 45' N/O VIA JACARA	10552037	9500L	-117.212610467	33.8760538251	25	1491962
4114311E	CONCRETE	1989	S/S VIA QUINTO, 180' E/O ARROYO PARK	10552037	9500L	-117.212191482	33.8766670662	25	1491962
4114312E	CONCRETE	1989	W/S ARROYO PARK, C/L OF VIA QUINTO	10552037	9500L	-117.212918149	33.8766080738	25	1491962
4269282E	CONCRETE	1993	E/S VIA PAMPLONA, 230' S/O CAMINO BELLAGIO	10552037	9500L	-117.215156010	33.8757550490	25	1491962
4269283E	CONCRETE	1993	W/S VIA PAMPLONA, RO' S/O CAMINO BELLAGIO	10552037	9500L	-117.215570358	33.8761270229	25	1491962
4564497E	CONCRETE	2004	MAROON CREEK S/S, 46' W/O C/L CENTURY ST	10552037	9500L	-117.220302361	33.8758283110	27	1491962
4564498E	CONCRETE	2004	MAROON CREEK W/S, 275' W/O C/L CENTURY ST	10552037	9500L	-117.221127104	33.8758705814	27	1491962
4564444E	CONCRETE	2005	SADDLE BROOK LN E/S, 395' N/O C/L PLUMERIA L	10552037	9500L	-117.221735985	33.8754207058	27	1491962
4564445E	CONCRETE	2005	SADDLE BROOK LN E/S, 41' N/O C/L PLUMERIA LN	10552037	9500L	-117.221743606	33.8744129048	27	1491962
4564446E	CONCRETE	2005	PLUMERIA LN S/S, 161' E/O C/L SADDLE BROOK LN	10552037	9500L	-117.221249250	33.8742548335	27	1491962
4564447E	CONCRETE	2005	PLUMERIA LN N/S, 177' W/O C/L CENTURY ST	10552037	9500L	-117.220672081	33.8743587853	27	1491962
4564450E	CONCRETE	2005	MACKENZIE CT S/S, 47' W/O C/L CENTURY ST	10552037	9500L	-117.220292579	33.8749865807	27	1491962
4564495E	CONCRETE	2005	MACKENZIE CT W/S, 283' W/O C/L CENTURY ST	10552037	9500L	-117.221127339	33.8750365478	27	1491962
4564440E	CONCRETE	2005	ASPEN GLEN AVE N/S, 46' W/O C/L CENTURY ST	10552037	9500L	-117.220307286	33.8766713789	27	1491962
4564441E	CONCRETE	2005	CENTURY ST E/S, 142' S/O C/L ASPEN GLEN AVE	10552037	9500L	-117.220079353	33.8763082048	27	1491962
4564442E	CONCRETE	2005	ASPEN GLEN AVE S/S, 262' E/O C/L SADDLE BROO	10552037	9500L	-117.221074758	33.8765553564	27	1491962
4564443E	CONCRETE	2005	ASPEN GLEN AVE N/S, 45' E/O C/L SADDLE BROOK	10552037	9500L	-117.221654154	33.8766711353	27	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
456449E	CONCRETE	2005	CENTURY ST E/S, 97' S/O C/L MACKENZIE CT	10552037	9500L	-117.220088963	33.8747937703	27	1491962
456448E	CONCRETE	2005	PLUMERIA LN S/S, 11' W/O C/L CENTURY ST	10552037	9500L	-117.220208053	33.8742843589	27	1491962
4564496E	CONCRETE	2005	CENTURY ST W/S, 145' N/O C/L MACKENZIE CT	10552037	9500L	-117.220195212	33.8753991227	27	1491962
4113495E	CONCRETE	1989	S/S LUPINE, 40' W/O LIATRIS	10552037	9500L	-117.218312039	33.8757666414	25	1491962
4114301E	CONCRETE	1989	E/S VIA TEJON, 25' N/O ARROYO PARK.	10552040	9500L	-117.211280363	33.8750327586	25	1491962
4114302E	CONCRETE	1989	W/S VIA TEJON, 260' N/O ARROYO PARK	10552040	9500L	-117.211259710	33.8756990137	25	1491962
4114303E	CONCRETE	1989	E/S VIA TEJON, 200' S/O VIA QUINTO	10552040	9500L	-117.211185352	33.8761266005	25	1491962
4114304E	CONCRETE	1989	W/S VIA TEJON, 40' S/O VIA QUINTO	10552040	9500L	-117.211068753	33.8765243354	25	1491962
4114305E	CONCRETE	1989	E/S VIA TEJON, 140' S/O VIA XAVIER	10552040	9500L	-117.210838441	33.8769263664	25	1491962
4114310E	CONCRETE	1989	N/S VIA QUINTO, 340' E/O ARROYO PARK	10552040	9500L	-117.211661633	33.8767440600	25	1491962
4063593E	CONCRETE	1989	W/S LASSELLE 212' S/O ARROYO PARK DR	10552040	22000L	-117.210824670	33.8742569522	25	1491960
4063591E	CONCRETE	1989	W/S LASSELLE, 72' S/O ARROYO PARK	10552040	22000L	-117.210790900	33.8746091534	29	1491960
4063592E	CONCRETE	1989	E/S LASSELLE, 72' S/O ARROYO PARK	10552040	22000L	-117.210672093	33.8745971797	29	1491960
4063594E	CONCRETE	1989	E/S LASSELLE, 212' S/O ARROYO PARK	10552040	22000L	-117.210699224	33.8742530971	29	1491960
4063595E	CONCRETE	1989	W/S LASSELLE, 413' S/O ARROYO PARK	10552040	22000L	-117.210851544	33.8737035877	29	1491960
4063596E	CONCRETE	1989	E/S LASSELLE, 413' S/O ARROYO PARK	10552040	22000L	-117.210704383	33.8736763170	29	1491960
4151683E	CONCRETE	1990	W/S LASSELLE, 812' S/O VIA HAMACA	10552040	22000L	-117.210858669	33.8725943579	29	1491960
4151684E	CONCRETE	1990	E/S LASSELLE, 812' S/O VIA HAMACA	10552040	22000L	-117.210748015	33.8725910234	29	1491960
4151685E	CONCRETE	1990	E/S LASSELLE, 1012' S/O VIA HAMACA	10552040	22000L	-117.210783788	33.8720940072	29	1491960
4151686E	CONCRETE	1990	W/S LASSELLE, 1012' S/O VIA HAMACA	10552040	22000L	-117.210892661	33.8720875347	29	1491960
4151687E	CONCRETE	1990	W/S LASSELLE, 1212' S/O VIA HAMACA	10552040	22000L	-117.210925004	33.8715909044	29	1491960
4151688E	CONCRETE	1990	E/S LASSELLE, 1262' S/O VIA HAMACA	10552040	22000L	-117.210779661	33.8716064806	29	1491960
4063585E	CONCRETE	1990	W/S LASSELLE, 287' S/O VIA XAVIER	10552040	22000L	-117.210519940	33.8764229178	29	1491960
4063586E	CONCRETE	1990	E/S LASSELLE, 287' S/O VIA XAVIER	10552040	22000L	-117.210384749	33.8763914025	29	1491960
4063587E	CONCRETE	1990	W/S LASSELLE, 401' N/O VIA HAMACA	10552040	22000L	-117.210589108	33.8759249424	29	1491960
4063588E	CONCRETE	1990	E/S LASSELLE, 401' N/O VIA HAMACA	10552040	22000L	-117.210472586	33.8759193874	29	1491960
4063589E	CONCRETE	1990	W/S LASSELLE, 201' N/O VIA HAMACA	10552040	22000L	-117.210677688	33.8754841747	29	1491960
4063590E	CONCRETE	1990	E/S LASSELLE, 201' N/O VIA HAMACA	10552040	22000L	-117.210566835	33.8754820567	29	1491960
4357893E	CONCRETE	1998	HEACOCK ST E/S 560' N/O MARIPOSA ST C/L	10572028	22000L	-117.243525703	33.8768608336	32	1491960
4163181E	CONCRETE	1992	FORTUNE BAY N/S @ HUDSON BAY, MRNO VLY	10572031	9500L	-117.232054447	33.8770029334	25	1491962
4163182E	CONCRETE	1992	HUDSON BAY E/S, 180' N/O C/L SUPERIOR, MV	10572031	9500L	-117.232066991	33.8766655746	25	1491962
4163189E	CONCRETE	1992	TRINITY BAY W/S, 415' N/O C/L SUPERIOR, MV	10572031	9500L	-117.233151762	33.8768847322	25	1491962
4163193E	CONCRETE	1992	BALTIC CT. W/S, 415' N/O C/L SUPERIOR, MV	10572031	9500L	-117.234079890	33.8769185018	25	1491962
4165685E	CONCRETE	1992	INDIAN E/S, 455' N/O C/L SUPERIOR, MV	10572031	9500L	-117.234747792	33.8771464255	25	1491962
4057740E	CONCRETE	1989	S/S NORTHERN DANCER, 270' W/O FREEPORT DR.	10572031	9500L	-117.232321289	33.8777272964	25	1491962
4057741E	CONCRETE	1989	N/S NORTHERN DANCER, 500' W/O FREEPORT DR	10572031	9500L	-117.233051191	33.8777608205	25	1491962
4112102E	CONCRETE	1989	S/S ANGELLA, 610' W/O TARANO	10572031	9500L	-117.232556399	33.8791238833	25	1491962
4112103E	CONCRETE	1989	S/S ANGELLA, 270' E/O INDIAN	10572031	9500L	-117.233944181	33.8791170971	25	1491962
4112106E	CONCRETE	1989	E/S FREEPORT, 240' E/O INDIAN	10572031	9500L	-117.234017988	33.8779720378	25	1491962
4112107E	CONCRETE	1989	N/S FREEPORT, AT WEST BEND OF FREEPORT	10572031	9500L	-117.234088426	33.8785070973	25	1491962
4112108E	CONCRETE	1989	S/S FREEPORT, 260' E/O WEST BEND OF FREEPORT	10572031	9500L	-117.233268313	33.8784519257	25	1491962
4112109E	CONCRETE	1989	N/S FREEPORT, 290' W/O EAST BEND OF FREEPORT	10572031	9500L	-117.232359162	33.8785584086	25	1491962
4112104E	CONCRETE	1989	E/S INDIAN, 50' S/O ANGELLA	10572031	22000L	-117.234746707	33.8790325910	29	1491960
4112105E	CONCRETE	1989	E/S INDIAN, 60' N/O FREEPORT	10572031	22000L	-117.234732596	33.8779024350	29	1491960
4550702E	CONCRETE	2005	MOONLIGHT DR, 420' W/O ORION WY	10572031	9500L	-117.234179950	33.8815313120	27	1491960
4550703E	CONCRETE	2005	MOONLIGHT DR N/S, 180' W/O ORION WY	10572031	9500L	-117.233464169	33.8816109067	27	1491960
4550704E	CONCRETE	2005	MOONLIGHT DR S/S, 50' E/O ORION WY	10572031	9500L	-117.232744096	33.8815127935	27	1491960
4550705E	CONCRETE	2005	MOONLIGHT DR N/S, 45' E/O HALF-MOON CT	10572031	9500L	-117.232033344	33.8816224969	27	1491960
4550707E	CONCRETE	2005	HALF-MOON CT W/S, 165' N/O MOONLIGHT DR	10572031	9500L	-117.232214979	33.8820388802	27	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
5258553E	CONCRETE	2005	E/S INDIAN 333' N/O KRAMERIA	10572031	22000L	-117.234730156	33.8819320022	32	1491960
5258554E	CONCRETE	2005	E/S INDIAN 69' N/O KRAMERIA	10572031	22000L	-117.234733555	33.8811311127	32	1491960
5258555E	CONCRETE	2005	N/S KRAMERIA 308' E/O INDIANA	10572031	22000L	-117.233759119	33.8810870955	32	1491960
5258556E	CONCRETE	2005	N/S KRAMERIA 58' W/O ORION	10572031	22000L	-117.232967182	33.8811017059	32	1491960
5258557E	CONCRETE	2005	N/S KRAMERIA 258' E/O ORION	10572031	22000L	-117.232018524	33.8810882000	32	1491960
4608257E	CONCRETE	2006	INDIAN ST E/S, 267' S/O KRAMERIA AVE	10572031	22000L	-117.234749504	33.8803002753	32	1491960
4608258E	CONCRETE	2006	INDIAN ST E/S, 68' S/O KRAMERIA AVE	10572031	22000L	-117.234747802	33.8809271699	32	1491960
4608259E	CONCRETE	2006	KRAMERIA AVE S/S, 214' E/O INDIAN ST	10572031	22000L	-117.234080562	33.8809817905	32	1491960
4608260E	CONCRETE	2006	KRAMERIA AVE S/S, 189' W/O ORION WY	10572031	22000L	-117.233491080	33.8809926678	32	1491960
4608261E	CONCRETE	2006	KRAMERIA AVE S/S, 175' E/O ORION WY	10572031	22000L	-117.232293136	33.8809993804	32	1491960
4608266E	CONCRETE	2006	ORION WY W/S, 67' S/O KRAMERIA AVE	10572031	9500L	-117.232940996	33.8809143601	27	1491962
4608267E	CONCRETE	2006	LIBRA LN E/S, 144' S/O POLARIS DR	10572031	9500L	-117.234153097	33.8800536087	27	1491962
4608268E	CONCRETE	2006	LIBRA LN W/S, 16' S/O POLARIS DR	10572031	9500L	-117.234303414	33.8804623364	27	1491962
4608269E	CONCRETE	2006	POLARIS DR N/S, 153' E/O LIBRA LN	10572031	9500L	-117.233669588	33.8805509511	27	1491962
4608270E	CONCRETE	2006	POLARIS DR S/S, 6' W/O ORION WY	10572031	9500L	-117.232923520	33.8804610734	27	1491962
4608271E	CONCRETE	2006	POLARIS DR N/S, 108' E/O ORION WY	10572031	9500L	-117.232476407	33.8805614236	27	1491962
4608272E	CONCRETE	2006	POLARIS DR S/S, 169' W/O TAURUS LN	10572031	9500L	-117.232053614	33.8805538363	27	1491962
4670582E	CONCRETE	2007	ANGELLA WY N/S, 130' E/O SHUNING CT	10572031	9500L	-117.231940454	33.8792036948	27	1491962
4670583E	CONCRETE	2007	SHUNING CT W/S, 45' N/O ANGELLA WY	10572031	9500L	-117.232366376	33.8792431690	27	1491962
4670584E	CONCRETE	2007	SHUNING CT E/S, 166' N/O ANGELLA WY	10572031	9500L	-117.232235040	33.8795767065	27	1491962
2352873E	CONCRETE	1990	E/S MEDITERRANEAN 450' N/O SUBURBAN	10572034	9500L	-117.226865042	33.8770076189	25	1491962
4150698E	CONCRETE	1992	FORTUNE BAY N/S, 445' E/O C/L HUDSON BAY, M	10572034	9500L	-117.230563344	33.8770254136	25	1491962
4151588E	CONCRETE	1990	ST GEORGE E/S, 570' N/O C/L SUBURBAN, MRNO	10572034	9500L	-117.227798416	33.8769325227	25	1491962
4151598E	CONCRETE	1990	S/E C/O FORTUNE BAY & LAKE VICTORIA, MRNO	10572034	9500L	-117.228727025	33.8769531782	25	1491962
4151599E	CONCRETE	1990	FORTUNE BAY N/S, 215' W/O C/L LAKE VICTORIA,	10572034	9500L	-117.229476954	33.8770322183	25	1491962
4151600E	CONCRETE	1990	FORTUNE BAY S/S, 380' W/O C/L LAKE VICTORIA,	10572034	9500L	-117.230030080	33.8769400797	25	1491962
4163180E	CONCRETE	1992	FORTUNE BAY S/S, 210' E/O C/L HUDSON BAY, M	10572034	9500L	-117.231310927	33.8769080840	25	1491962
4056760E	CONCRETE	1988	WAR CLOUD DR S/S, 220' E/O MAJESTIC PRINCE W	10572034	9500L	-117.224448116	33.8769348290	25	1491962
4065906E	CONCRETE	1988	NORTHERN DANCER DR S/S, 40' W/O WAR CLOUD	10572034	9500L	-117.225577275	33.8778930253	25	1491962
4065907E	CONCRETE	1988	WAR CLOUD DR E/S, 30' N/O MAJESTIC PRINCE W	10572034	9500L	-117.225016021	33.8774498867	25	1491962
4065908E	CONCRETE	1988	MAJESTIC PRINCE WY W/S, 200' S/O WAR CLOUD	10572034	9500L	-117.225498803	33.8768954696	25	1491962
4065918E	CONCRETE	1988	WAR CLOUD DR N/S, 255' W/O SECRETARIAT DR	10572034	9500L	-117.223642141	33.8768273322	25	1491962
4065920E	CONCRETE	1988	SECRETARIAT DR E/S, 70' S/O SIR BARTON WY	10572034	9500L	-117.222692636	33.8773042739	25	1491962
4065921E	CONCRETE	1988	SECRETARIAT CR N/S, 220' N/O SIR BARTON WY	10572034	9500L	-117.222747934	33.8778135852	25	1491962
4065922E	CONCRETE	1988	SIR BARTON WY S/S, 125' W/O SECRETARIAT DR	10572034	9500L	-117.223279253	33.8775504573	25	1491962
4065923E	CONCRETE	1988	SIR BARTON WY N/S, 360' W/O SECRETARIAT DR	10572034	9500L	-117.223883134	33.877301228	25	1491962
4065924E	CONCRETE	1988	SIR BARTON WY W/S, 580' W/O SECRETARIAT DR	10572034	9500L	-117.224386537	33.8779256225	25	1491962
2381442E	CONCRETE	1988	NORTHERN DANCER S/S, 180' E/O TARANO LN	10572034	9500L	-117.229950444	33.8777250769	25	1491962
2381443E	CONCRETE	1988	NORTHERN DANCER S/S, 120' W/O TARANO LN	10572034	9500L	-117.230932756	33.8777181466	25	1491962
2381444E	CONCRETE	1988	TARANO LN E/S, 45' N/O NORTHERN DANCER	10572034	9500L	-117.230450523	33.8779166681	25	1491962
2381445E	CONCRETE	1988	TARANO LN W/S, 280' N/O NORTHERN DANCER	10572034	9500L	-117.230591858	33.8785689988	25	1491962
2381446E	CONCRETE	1988	TARANO LN E/S, 25' S/O ANGELA WY	10572034	9500L	-117.230465035	33.8791212450	25	1491962
4039819E	CONCRETE	1988	NORTHERN DANCER N/S, 310' W/O PERRIS BL	10572034	9500L	-117.227017281	33.8779304663	25	1491962
4039820E	CONCRETE	1988	NORTHERN DANCER S/S, 495' W/O PERRIS BL	10572034	9500L	-117.227816202	33.8777470136	25	1491962
4039821E	CONCRETE	1988	CANOE COVE N/S, 400' N/O NORTHERN DANCER	10572034	9500L	-117.228466181	33.8788926645	25	1491962
4039822E	CONCRETE	1988	CANOE COVE W/S, 210' N/O NORTHERN DANCER	10572034	9500L	-117.228560890	33.8783973973	25	1491962
4039823E	CONCRETE	1988	CANOE COVE E/S, 45' N/O NORTHERN DANCER	10572034	9500L	-117.228439534	33.8778950102	25	1491962
4039824E	CONCRETE	1988	NORTHERN DANCER S/S, 125' W/O CANOE COVE	10572034	9500L	-117.228801375	33.8777621797	25	1491962
4039825E	CONCRETE	1988	KETTENBURG LN W/S, 45' N/O NORTHERN DANCER	10572034	9500L	-117.229554537	33.8779064054	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4039826E	CONCRETE	1988	KETTENBURG LN E/S, 275' N/O NORTHERN DANCER	10572034	9500L	-117.229394584	33.8785225563	25	1491962
4039827E	CONCRETE	1988	KETTENBURG LN W/S, 510' N/O NORTHERN DANCER	10572034	9500L	-117.229529901	33.8791882436	25	1491962
4057739E	CONCRETE	1989	N/S NORTHERN DANCER, 40' W/O FREEPORT DR.	10572034	9500L	-117.231643340	33.8778088521	25	1491962
4063701E	CONCRETE	1989	N/S KRAMERIA, 340' W/O PERRIS BLVD.	10572034	9500L	-117.227336427	33.881128308	25	1491962
4064187E	CONCRETE	1989	W/S STARVIEW, 130' N/O HIGHWOOD	10572034	9500L	-117.226827279	33.8819149268	25	1491962
4064188E	CONCRETE	1989	S/S HIGHWOOD, 220' E/O WINDBREAK	10572034	9500L	-117.226863124	33.8815215376	25	1491962
4064189E	CONCRETE	1989	N/S HIGHWOOD, 30' E/O WINDBREAK	10572034	9500L	-117.227429308	33.8816147806	25	1491962
4112101E	CONCRETE	1989	S/S ANGELLA, 220' W/O TARANO	10572034	9500L	-117.231327855	33.8791036279	25	1491962
4112110E	CONCRETE	1989	N/S FREEPORT, AT EAST BEND OF FREEPORT	10572034	9500L	-117.231485274	33.8785002718	25	1491962
4112661E	CONCRETE	1989	N/S KRAMERIA, 315' W/O COLDBROOK	10572034	9500L	-117.230197749	33.8810725066	25	1491962
4112662E	CONCRETE	1989	N/S KRAMERIA, 110' W/O COLDBROOK	10572034	9500L	-117.229401008	33.8810856096	25	1491962
4112663E	CONCRETE	1989	N/S KRAMERIA, 90' E/O COLDBROOK	10572034	9500L	-117.228677158	33.8810905813	25	1491962
4112664E	CONCRETE	1989	N/S KRAMERIA, 170' W/O WINDBREAK	10572034	9500L	-117.228081050	33.881125079	25	1491962
4112665E	CONCRETE	1989	S/S HIGHWOOD, 160' W/O WINDBREAK	10572034	9500L	-117.227885583	33.8815149816	25	1491962
4112666E	CONCRETE	1989	N/S HIGHWOOD, 320' W/O WINDBREAK	10572034	9500L	-117.228361648	33.8816055296	25	1491962
4112667E	CONCRETE	1989	S/S HIGHWOOD, 50' W/O COLDBROOK	10572034	9500L	-117.229159766	33.8814940234	25	1491962
4112668E	CONCRETE	1989	W/S GREENFIELD, 10' N/O HIGHWOOD	10572034	9500L	-117.229645417	33.8815628870	25	1491962
4112669E	CONCRETE	1989	E/S GREENFIELD, 130' S/O CITADEL	10572034	9500L	-117.229530377	33.8819446257	25	1491962
4163201E	CONCRETE	1990	EMMA E/S, 100' N/O C/L KRAMERIA, MRNO VLY	10572034	9500L	-117.230445011	33.8814700355	25	1491962
4004830E	CONCRETE	1987	SILVERBIRCH RD E/S, 235' N/O MORNING DOVE	10572034	9500L	-117.224509482	33.8820976631	25	1491962
4004831E	CONCRETE	1987	SILVERBIRCH RD W/S, 35' N/O MORNING DOVE	10572034	9500L	-117.224618951	33.8816051842	25	1491962
4004832E	CONCRETE	1987	MORNING DOVE N/S, 135' W/O HAZELWOOD CT	10572034	9500L	-117.224074435	33.8816041369	25	1491962
4004833E	CONCRETE	1987	MORNING DOVE S/S, 55' E/O HAZELWOOD CT	10572034	9500L	-117.223545081	33.8815314890	25	1491962
4004834E	CONCRETE	1987	HAZELWOOD CT W/S, 130' N/O MORNING DOVE	10572034	9500L	-117.223734129	33.8819945547	25	1491962
4004836E	CONCRETE	1987	KRAMERIA ST N/S, 830' W/O SADDLEBROOK LN	10572034	9500L	-117.224615776	33.8810854008	25	1491962
4004838E	CONCRETE	1987	KRAMERIA ST N/S, 55' W/O SADDLEBROOK LN	10572034	9500L	-117.222089553	33.8810663370	25	1491962
4004839E	CONCRETE	1987	HAVENWOOD RD W/S, 45' N/O MORNING DOVE	10572034	9500L	-117.222810480	33.8816711840	25	1491962
4004840E	CONCRETE	1987	HAVENWOOD RD E/S, 225' N/O MORNING DOVE	10572034	9500L	-117.222641244	33.8821255088	25	1491962
4004843E	CONCRETE	1987	MORNING DOVE S/S, 140' E/O HAVENWOOD RD	10572034	9500L	-117.222220312	33.8815252632	25	1491962
4065929E	CONCRETE	1988	OMAHA DR S/S, 175' W/O SADDLEBROOK LN	10572034	9500L	-117.222377473	33.8787321149	25	1491962
4065930E	CONCRETE	1988	SEATTLE SLEW DR W/S, 50' N/O OMAHA DR	10572034	9500L	-117.222906420	33.8789819467	25	1491962
4065931E	CONCRETE	1988	OMAHA DR N/S, 30' N/O WHIRLAWAY CR	10572034	9500L	-117.223635826	33.8788991177	25	1491962
4065932E	CONCRETE	1988	GREYLAG CR S/S, 180' W/O SEATTLE SLEW DR	10572034	9500L	-117.223461615	33.8796708936	25	1491962
4065933E	CONCRETE	1988	SEATTLE SLEW DR E/S, 30' E/O GREYLAG CR	10572034	9500L	-117.222765108	33.8796299770	25	1491962
4065934E	CONCRETE	1988	GRANVILLE ST S/S, 40' W/O SEATTLE SLEW DR	10572034	9500L	-117.223021047	33.8804166856	25	1491962
4065935E	CONCRETE	1988	GRANVILLE ST N/S, 315' W/O SEATTLE SLEW DR	10572034	9500L	-117.223876193	33.8805179821	25	1491962
4065936E	CONCRETE	1988	KRAMERIA ST N/S, 50' W/O SEATTLE SLEW DR	10572034	9500L	-117.223094894	33.8810002008	25	1491962
4065937E	CONCRETE	1988	KRAMERIA ST S/S, 215' W/O SEATTLE SLEW DR	10572034	9500L	-117.223772946	33.8809840270	25	1491962
4066151E	CONCRETE	1988	GRANVILLE ST S/S, 40' W/O SIR BARTON WY	10572034	9500L	-117.224628732	33.8804034881	25	1491962
4066152E	CONCRETE	1988	SIR BARTON WY E/S, 215' S/O GRANVILLE ST	10572034	9500L	-117.224425712	33.8798296525	25	1491962
4066153E	CONCRETE	1988	SIR BARTON WY W/S, 190' N/O OMAHA DR	10572034	9500L	-117.224589530	33.8792295856	25	1491962
4066154E	CONCRETE	1988	OMAHA DR S/S, 50' E/O SIR BARTON WY	10572034	9500L	-117.224396321	33.8786876844	25	1491962
4066155E	CONCRETE	1988	GRANVILLE ST N/S, 30' N/O WAR CLOUD DR	10572034	9500L	-117.225398852	33.8805082592	25	1491962
4066157E	CONCRETE	1988	WAR CLOUD DR W/S, 435' S/O GRANVILLE ST	10572034	9500L	-117.225519303	33.8792862865	25	1491962
4066158E	CONCRETE	1988	WAR CLOUD DR E/S, 665' S/O GRANVILLE ST	10572034	9500L	-117.225381666	33.8782980591	25	1491962
4207614E	CONCRETE	1993	WAR CLOUD DR E/S, 210' S/O GRANVILLE ST.	10572034	9500L	-117.225387986	33.8798834659	25	1491962
4062245E	CONCRETE	1990	W/S PERRIS BLVD. 460' N/O SUBURBAN LN.	10572034	22000L	-117.226171353	33.8768387943	29	1491960
4065903E	CONCRETE	1988	PERRIS BLVD E/S, 415' S/O NORTHERN DANCER DR	10572034	22000L	-117.226074381	33.8767859263	29	1491960
4065904E	CONCRETE	1988	PERRIS BLVD E/S, 160' S/O NORTHERN DANCER DR	10572034	22000L	-117.226048085	33.8774416860	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4062534E	CONCRETE	1990	W/S PERRIS BLVD., N/O NORTHERN DANCER	10572034	22000L	-117.226206222	33.8783768169	29	1491960
4062535E	CONCRETE	1990	W/S PERRIS BLVD., S/O NORTHERN DANCER	10572034	22000L	-117.226187718	33.8777502314	29	1491960
4063703E	CONCRETE	1989	W/S PERRIS BLVD., 230' N/O KRAMERIA	10572034	22000L	-117.226194250	33.8815892098	29	1491960
4063704E	CONCRETE	1989	W/S PERRIS BLVD, 430' N/O KRAMERIA	10572034	22000L	-117.226235085	33.8820802292	29	1491960
4003580E	CONCRETE	1987	PERRIS BL E/S, 1030' S/O RED MAPLE LN	10572034	22000L	-117.226093427	33.8819404375	29	1491960
4065939E	CONCRETE	1988	KRAMERIA ST S/S, 290' E/O PERRIS BLVD	10572034	22000L	-117.225252557	33.8809952340	29	1491960
4065941E	CONCRETE	1988	PERRIS BLVD E/S, 190' S/O KRAMERIA ST	10572034	22000L	-117.226076410	33.8806676087	29	1491960
4065942E	CONCRETE	1988	PERRIS BLVD E/S, 430' S/O KRAMERIA ST	10572034	22000L	-117.226092779	33.8798920912	29	1491960
4065943E	CONCRETE	1988	PERRIS BLVD E/S, 660' S/O KRAMERIA ST	10572034	22000L	-117.226078222	33.8792014642	29	1491960
4299134E	CONCRETE	1997	KRAMERIA ST S/S 515' E/O PERRIS BLVD	10572034	9500L	-117.224414653	33.8810100942	29	1491960
4463470E	CONCRETE	2002	KRAMERIA S/S, 67' W/O C/L SADDLEBROOK	10572034	22000L	-117.222060418	33.8809608763	32	1491960
4318134E	CONCRETE	2002	KRAMERIA ST N/S, 460' W/O SADDLEBROOK LN	10572034	9500L	-117.223316010	33.8810770474	31	1491962
4550701E	CONCRETE	2004	EMMA LN W/S,175' S/O CONSTELLATION WY	10572034	9500L	-117.230569846	33.8819559030	27	1491962
4525533E	CONCRETE	2004	PERRIS BLVD N/O NORTHERN DANCER	10572034	22000L	-117.226065735	33.8780688445	31	1491960
4548559E	CONCRETE	2004	KRAMERIA AVE N/S, 57' W/O C/L EMMA LANE	10572034	22000L	-117.230751626	33.8810868863	32	1491960
4550706E	CONCRETE	2005	MOONLIGHT DR,245' E/O HALF-MOON CT	10572034	9500L	-117.231402422	33.8815591781	27	1491960
4066159E	CONCRETE	1988	WHIRLAWAY CR S/S, 170' S/O OMAHA DR	10572034	9500L	-117.223529055	33.8783754678	25	1491962
5258558E	CONCRETE	2005	N/S KRAMERIA 270' W/O EMMA	10572034	22000L	-117.231370151	33.8811053196	32	1491960
4608262E	CONCRETE	2006	KRAMERIA AVE S/S, 374' E/O ORION WY	10572034	22000L	-117.231619598	33.8809925691	32	1491960
4608263E	CONCRETE	2006	KRAMERIA AVE S/S, 143' W/O TARANO LN	10572034	22000L	-117.231030116	33.8810034345	32	1491960
4608264E	CONCRETE	2006	TARANO LN W/S, 121' S/O KRAMERIA AVE	10572034	9500L	-117.230636492	33.8806991799	27	1491962
4608265E	CONCRETE	2006	TARANO LN W/S, 321' S/O KRAMERIA AVE	10572034	9500L	-117.230617082	33.8801495837	27	1491962
4608273E	CONCRETE	2006	POLARIS DR N/S, 2' W/O TAURUS LN	10572034	9500L	-117.231436339	33.8805559070	27	1491962
4608274E	CONCRETE	2006	TAURUS LN W/S, 145' S/O POLARIS DR	10572034	9500L	-117.231468964	33.8801133601	27	1491962
4528403E	CONCRETE	2006	N/S KRAMERIA, 120' W/O PERRIS BLVD.	10572034	9500L	-117.226502464	33.8810978632	26	1491962
4670577E	CONCRETE	2007	TARANO LN W/S, 248' N/O ANGELLA WY	10572034	9500L	-117.230606417	33.8798503665	27	1491962
4670578E	CONCRETE	2007	TARANO LN W/S, 45' N/O ANGELLA WY	10572034	9500L	-117.230595380	33.8792529734	27	1491962
4670579E	CONCRETE	2007	ANGELLA WY N/S, 131' W/O TAURUS LN	10572034	9500L	-117.230945080	33.8792133359	27	1491962
4670580E	CONCRETE	2007	TAURUS LN W/S, 45' N/O ANGELLA WY	10572034	9500L	-117.231449882	33.8792467678	27	1491962
4670581E	CONCRETE	2007	TAURUS LN E/S, 172' N/O ANGELLA WY	10572034	9500L	-117.231314467	33.8797278354	27	1491962
4058485E	CONCRETE	1993	S/S LURIN, 170' E/O KITCHING	10572037	9500L	-117.217034086	33.8773045891	25	1491962
4065915E	CONCRETE	1988	SADDLEBROOK W/S, 300' N/O HARKER LN	10572037	9500L	-117.221824556	33.8768618929	25	1491962
4065916E	CONCRETE	1988	SADDLEBROOK LN W/S, 520' N/O HARKER LN	10572037	9500L	-117.221822137	33.8772669692	25	1491962
4065917E	CONCRETE	1988	SADDLEBROOK LN W/S, 740' N/O HARKER LN	10572037	9500L	-117.221836540	33.8780115589	25	1491962
4113490E	CONCRETE	1989	S/S LURIN, 160' W/O KITCHING	10572037	9500L	-117.218041213	33.8772638459	25	1491962
4113491E	CONCRETE	1989	S/S LURIN, 40' E/O HOLLYHOCK	10572037	9500L	-117.218996070	33.8772781197	25	1491962
4260279E	CONCRETE	1957	E/S VIA PAMPLONIA AT LUNADO	10572037	9500L	-117.215998945	33.8769774940	29	1491962
4263276E	CONCRETE	1957	W/S PAMPLONIA AT LURIN AV	10572037	9500L	-117.216607028	33.8775766619	30	1491962
4112765E	CONCRETE	1990	N/S SIERRA CALMO, 400' W/O VIA ALEGRIA	10572037	9500L	-117.215745417	33.8781370423	25	1491962
4112766E	CONCRETE	1990	S/S SIERRA CALMO, 150' W/O VIA ALEGRIA	10572037	9500L	-117.215180333	33.8781380481	25	1491962
4112767E	CONCRETE	1990	E/S VIA ALEGRIA, 70' S/O SIERRA CALMO	10572037	9500L	-117.214546136	33.8779540239	25	1491962
4112768E	CONCRETE	1990	W/S VIA ALEGRIA, 50' N/O SIERRA BELLO	10572037	9500L	-117.214585725	33.8775772654	25	1491962
4112769E	CONCRETE	1990	S/S SIERRA BELLO, 230' W/O VIA ALEGRIA	10572037	9500L	-117.215188306	33.8773783307	25	1491962
4112770E	CONCRETE	1990	E/S VIA ALEGRIA, 85' N/O CAMINO BELLAGIO	10572037	9500L	-117.214233697	33.8769896864	25	1491962
4114313E	CONCRETE	1989	E/S ARROYO PARK, 40' S/O VIA SALERNO	10572037	9500L	-117.212928143	33.8771955749	25	1491962
4114314E	CONCRETE	1989	N/S VIA SALERNO, 200' E/O ARROYO PARK	10572037	9500L	-117.212439606	33.8774317355	25	1491962
4114316E	CONCRETE	1989	W/S ARROYO PARK, 80' N/O VIA SALERNO	10572037	9500L	-117.213179598	33.8775451407	25	1491962
4114317E	CONCRETE	1989	E/S ARROYO PARK, 230' N/O VIA SALERNO	10572037	9500L	-117.213096946	33.8778757715	25	1491962
4114322E	CONCRETE	1989	S/S VIA TEJON, 335' E/O VIA HAMACA	10572037	9500L	-117.212102718	33.8780291700	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4114323E	CONCRETE	1989	N/S VIA TEJON, 130' E/O VIA HAMACA	10572037	9500L	-117.212668405	33.8781790824	25	1491962
2361324E	CONCRETE	1988	KRAMERIA ST N/S, 890' E/O SADDLEBROOK LN	10572037	9500L	-117.218817524	33.8810616472	25	1491962
2381424E	CONCRETE	1989	MORNING DOVE WY N/S, 30' W/O KENSINGTON P	10572037	9500L	-117.218349854	33.8816254179	25	1491962
2381425E	CONCRETE	1989	KENSINGTON PL E/S, 175' S/O PARKSIDE LN	10572037	9500L	-117.218169983	33.8820172196	25	1491962
4039856E	CONCRETE	1988	HEATHER GLEN RD E/S, 40' N/O MORNING DOVE	10572037	9500L	-117.219747784	33.8816838634	25	1491962
4039857E	CONCRETE	1988	MORNING DOVE WY S/S, 140' W/O HEATHER GLE	10572037	9500L	-117.220255539	33.8815173560	25	1491962
4039858E	CONCRETE	1988	MORNING DOVE WY N/S, 280' E/O SADDLEBROOK	10572037	9500L	-117.220787534	33.8816113647	25	1491962
4039859E	CONCRETE	1988	MORNING DOVE WY S/S, 50' E/O SADDLEBROOK L	10572037	9500L	-117.221583505	33.8815275432	25	1491962
4039860E	CONCRETE	1988	KRAMERIA ST N/S, 50' E/O SADDLEBROOK LN	10572037	9500L	-117.221629690	33.8810707606	25	1491962
4039861E	CONCRETE	1988	KRAMERIA ST N/S, 470' E/O SADDLEBROOK LN	10572037	9500L	-117.220240649	33.8810660613	25	1491962
4039862E	CONCRETE	1988	SADDLEBROOK LN W/S, 80' N/O MORNING DOVE	10572037	9500L	-117.221788744	33.8818077879	25	1491962
4039871E	CONCRETE	1988	HEATHER GLEN RD W/S, 240' N/O MORNING DOV	10572037	9500L	-117.220009538	33.8821479645	25	1491962
4039875E	CONCRETE	1988	MORNING DOVE WY S/S, 240' E/O HEATHER GLEN	10572037	9500L	-117.218939187	33.8815272041	25	1491962
4063629E	CONCRETE	1989	N/S KRAMERIA, 410' E/O KITCHING	10572037	9500L	-117.216137539	33.8810598163	25	1491962
4063630E	CONCRETE	1989	S/S KRAMERIA, 187' E/O KITCHING	10572037	9500L	-117.216943418	33.8809663549	25	1491962
4063631E	CONCRETE	1989	S/S KRAMERIA, 600' E/O KITCHING	10572037	9500L	-117.215595734	33.8809605484	25	1491962
4065925E	CONCRETE	1988	SADDLEBROOK LN E/S, 90' S/O KRAMERIA	10572037	9500L	-117.221716551	33.8806747566	25	1491962
4065926E	CONCRETE	1988	SADDLEBROOK LN E/S, 320' S/O KRAMERIA ST	10572037	9500L	-117.221740121	33.8801485608	25	1491962
4065927E	CONCRETE	1988	SADDLEBROOK LN E/S, 265' N/O OMAHA DR	10572037	9500L	-117.221737091	33.8794976640	25	1491962
4065928E	CONCRETE	1988	SADDLEBROOK LN E/S, 50' N/O OMAHA DR	10572037	9500L	-117.221752275	33.8788880276	25	1491962
4112756E	CONCRETE	1990	N/S CAMINO CASTILLO	10572037	9500L	-117.216692997	33.8797201574	25	1491962
4113665E	CONCRETE	1990	E/S ABEDUL, 70' S/O PARKSIDE	10572037	9500L	-117.216894693	33.8822773983	25	1491962
4113666E	CONCRETE	1990	W/S ABEDUL, 80' N/O BUENA FORTUNA	10572037	9500L	-117.217031949	33.8817429493	25	1491962
4113667E	CONCRETE	1990	S/S BUENA FORTUNA, 30' W/O ANCLADERO	10572037	9500L	-117.216202988	33.8814419032	25	1491962
4113668E	CONCRETE	1990	E/S ANCLADERO CT, 150' N/O BUENA FORTUNA	10572037	9500L	-117.216005848	33.8819891288	25	1491962
4113788E	CONCRETE	1989	TERRAZA CT350' W/O VACCARO AVE	10572037	9500L	-117.216743704	33.8804562366	25	1491962
4163453E	CONCRETE	1991	KRAMERIA S/S, 653' W/O C/L KITCHING	10572037	9500L	-117.219795510	33.8809876742	25	1491962
4163454E	CONCRETE	1991	KRAMERIA S/S, 275' W/O C/L KITCHING	10572037	9500L	-117.218609688	33.8809809549	25	1491962
4163455E	CONCRETE	1991	KITCHING W/S, 323' S/O C/L KRAMERIA	10572037	9500L	-117.217674168	33.8801356214	25	1491962
4163456E	CONCRETE	1991	KITCHING W/S, 698' S/O C/L KRAMERIA	10572037	9500L	-117.217657146	33.8791189484	25	1491962
4063632E	CONCRETE	1989	N/S KRAMERIA, 908' E/O KITCHING	10572037	9500L	-117.214705725	33.8810818501	25	1491962
4063633E	CONCRETE	1989	N/S KRAMERIA, 1188' E/O KITCHING	10572037	9500L	-117.214189936	33.8811963819	25	1491962
4063634E	CONCRETE	1989	S/S KRAMERIA, 1443' E/O KITCHING	10572037	9500L	-117.213517608	33.8813117791	25	1491962
4063635E	CONCRETE	1989	N/S KRAMERIA, 1643' E/O KITCHING	10572037	9500L	-117.213074444	33.8817159529	25	1491962
4063636E	CONCRETE	1989	S/S KRAMERIA, 1851' E/O KITCHING	10572037	9500L	-117.212457276	33.8819568092	25	1491962
4112757E	CONCRETE	1990	S/S CAMINO CASTILLO, 135' W/O CAMINO JUANIT	10572037	9500L	-117.215996540	33.8796163369	25	1491962
4112758E	CONCRETE	1990	N/S CAMINO CASTILLO, 45' E/O CAMINO JUANITC	10572037	9500L	-117.215503952	33.8797106814	25	1491962
4112759E	CONCRETE	1990	E/S VIA ALEGRIA, 5' N/O CAMINO CASTILLO	10572037	9500L	-117.214853219	33.8797015895	25	1491962
4112760E	CONCRETE	1990	SHERMAN E/S	10572037	9500L	-117.214757146	33.8792828522	35	1491962
4112762E	CONCRETE	1990	N/S SIERRA BRAVO, 350' W/O VIA ALEGRIA	10572037	9500L	-117.215948283	33.8789375951	25	1491962
4112764E	CONCRETE	1990	W/S VIA ALEGRIA, 130' S/O SIERRA BRAVO	10572037	9500L	-117.214781705	33.8784866733	25	1491962
4113651E	CONCRETE	1990	N/S BUENA FORTUNA, 70' W/O CAMINO JUANITC	10572037	9500L	-117.215614847	33.8815389226	25	1491962
4113652E	CONCRETE	1990	S/S BUENA FORTUNA, 160' E/O CAMINO JUANITO	10572037	9500L	-117.214752504	33.8814508815	25	1491962
4113679E	CONCRETE	1990	W/S AVENIDA DE LORING, 40' S/O BUENA VILLAG	10572037	9500L	-117.214581285	33.8820948377	25	1491962
4113680E	CONCRETE	1990	S/S BUENA VILLAGE CT., 220' W/O AVENIDA DE LD	10572037	9500L	-117.215133012	33.8822379854	25	1491962
4114324E	CONCRETE	1989	W/S VIA HAMACA, 50' S/O VIA WANDA	10572037	9500L	-117.212994646	33.8785219620	25	1491962
4114325E	CONCRETE	1989	N/S VIA WANDA, 230' W/O VIA HAMACA	10572037	9500L	-117.213404059	33.8789329052	25	1491962
4114326E	CONCRETE	1989	N/S VIA HAMACA, 180' E/O VIA WANDA	10572037	9500L	-117.212290261	33.8788607215	25	1491962
4114662E	CONCRETE	1989	S/S VIA KANELA, 160' S/O SABINA	10572037	9500L	-117.213131482	33.8821570870	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4336468E	CONCRETE	1998	KITCHING AVE W/S, 40' N/O LURIN	10572037	22000L	-117.217558888	33.8774534035	31	1491960
4336469E	CONCRETE	1998	LURIN ST N/S, 280' W/O KITCHING	10572037	9500L	-117.218552754	33.8773710885	26	1491962
4065744E	CONCRETE	1990	E/S VIA PAMPLONA, 120' S/O CAMINO CASTILLO	10572037	9500L	-117.216785994	33.8792991273	25	1491962
4465546E	CONCRETE	2000	SIERRA LEONE CT 200' W/O CAMINO JUANITO	10572037	9500L	-117.215874130	33.8804876302	26	1491962
4336467E	CONCRETE	1998	16745 KITCHING	10572037	22000L	-117.217664896	33.8783208299	31	1491960
4463469E	CONCRETE	2002	KRAMERIA S/S, 125' E/O CAMINO JUANITO	10572037	22000L	-117.214974975	33.8809679094	32	1491960
4535591E	CONCRETE	2004	KRAMERIA AVE S/S, 58' E/O SADDLEBROOK LN	10572037	22000L	-117.221611044	33.8809695913	32	1491960
4535592E	CONCRETE	2004	KRAMERIA AVE S/S, 350' E/O SADDLEBROOK LN	10572037	22000L	-117.220661036	33.8809832838	32	1491960
4535593E	CONCRETE	2004	AMY ST ON CUL-DE-SAC, 252' W/O CENTURY ST	10572037	9500L	-117.220915957	33.8805538257	27	1491962
4535594E	CONCRETE	2004	AMY CT N/S, 58' W/O CENTURY ST	10572037	9500L	-117.220217700	33.8806014717	27	1491962
4535595E	CONCRETE	2004	CENTURY ST E/S, 160' N/O COURTNEY DR	10572037	9500L	-117.220038370	33.8801877426	27	1491962
4535596E	CONCRETE	2004	CENTURY ST W/S, 48' S/O COURTNEY DR	10572037	9500L	-117.220218264	33.8796422813	27	1491962
4535597E	CONCRETE	2004	COURTNEY DR N/S, 280' E/O SADDLEBROOK LN	10572037	9500L	-117.220913049	33.8798423542	27	1491962
4535598E	CONCRETE	2004	COURTNEY DR N/S, 50' E/O SADDLEBROOK LN	10572037	9500L	-117.221635688	33.8797844622	27	1491962
4535599E	CONCRETE	2004	SADDLEBROOK LN E/S, 247' N/O COURTNEY DR	10572037	9500L	-117.221733830	33.8803866360	27	1491962
4543631E	CONCRETE	2004	SADDLEBROOK LN E/S, 178' S/O COURTNEY DR	10572037	9500L	-117.221750803	33.8792810632	27	1491962
4543632E	CONCRETE	2004	SADDLEBROOK LN E/S, 388' S/O COURTNEY DR	10572037	9500L	-117.221760034	33.8786914124	27	1491962
4543633E	CONCRETE	2004	SADDLEBROOK LN E/S, 173' N/O LURIN AVE	10572037	9500L	-117.221735360	33.8777790772	27	1491962
4543634E	CONCRETE	2004	LURIN AVE N/S, 48' E/O SADDLEBROOK LN	10572037	9500L	-117.221619191	33.8773785138	27	1491962
4543635E	CONCRETE	2004	LURIN AVE N/S, 246' W/O CENTURY ST	10572037	9500L	-117.220958615	33.8774048687	27	1491962
4543636E	CONCRETE	2004	LURIN AVE N/S, 45' E/O CENTURY ST	10572037	9500L	-117.220052015	33.8773994749	27	1491962
4543637E	CONCRETE	2004	CENTURY ST W/S, 46' S/O RUNSEY CT	10572037	9500L	-117.220220823	33.8780699489	27	1491962
4543638E	CONCRETE	2004	RUNSEY CT N/S, 232' W/O CENTURY ST	10572037	9500L	-117.220941703	33.8781995532	27	1491962
4543639E	CONCRETE	2004	CENTURY ST E/S, 110' S/O BRONSON CT	10572037	9500L	-117.220083164	33.8786812474	27	1491962
4543640E	CONCRETE	2004	CENTURY ST W/S, 45' S/O BRONSON CT	10572037	9500L	-117.220230981	33.8788628515	27	1491962
4543641E	CONCRETE	2004	BRONSON CT N/S, 226' W/O CENTURY ST	10572037	9500L	-117.221024382	33.8789808006	27	1491962
4564439E	CONCRETE	2005	CENTURY ST W/S, 132' S/O C/L LURIN AVE	10572037	9500L	-117.220215762	33.8769884658	27	1491962
4710840E	CONCRETE	2009	KITCHING ST. W/S, 105' S/O PARKSIDE	10572037	9500L	-117.217656564	33.8822643876	25	1491962
4062104E	CONCRETE	1990	S/S SIERRA BRAVO, 140' W/O VIA ALEGRIA	10572037	9500L	-117.215313535	33.8788186505	25	1491962
4112763E	CONCRETE	1990	S/S SIERRA BRAVO, 480' W/O VIA ALEGRIA	10572037	9500L	-117.216376987	33.8788459550	25	1491962
4229965E	CONCRETE	1993	E E/O SIERRA LEONE CT 150' E/O CAMINO JUANI	10572037	9500L	-117.214835375	33.8804505509	25	1491962
4114315E	CONCRETE	1989	EAST END OF VIA SALERNO	10572040	9500L	-117.211779998	33.8774174881	25	1491962
4114318E	CONCRETE	1989	E/S VIA TEJON, 150' S/O VIA ZURITA	10572040	9500L	-117.210825109	33.8774345631	25	1491962
4114319E	CONCRETE	1989	W/S VIA TEJON, 25' S/O VIA ZURITA	10572040	9500L	-117.211113718	33.8777194402	25	1491962
4114320E	CONCRETE	1989	EAST END OF VIA ZURITA	10572040	9500L	-117.210671559	33.8780612180	25	1491962
4114321E	CONCRETE	1989	N/S VIA TEJON, 170' N/O VIA ZURITA	10572040	9500L	-117.211410878	33.8780547500	25	1491962
4062046E	CONCRETE	1989	E/S VISTA CONEJO, 195' N/O ZAMORA	10572040	9500L	-117.210490084	33.8815953895	25	1491962
4114327E	CONCRETE	1989	S/S VIA HAMACA, 300' E/O VIA WANDA	10572040	9500L	-117.211829710	33.8787488008	25	1491962
4114328E	CONCRETE	1989	N/S VIA HAMACA, 210' W/O VIA CONEJO	10572040	9500L	-117.211456105	33.8788166754	25	1491962
4114329E	CONCRETE	1989	N/S VIA HAMACA, 40' W/O VIA CONEJO	10572040	9500L	-117.210788425	33.8788285475	25	1491962
4114330E	CONCRETE	1989	S/S VIA HAMACA, 160' E/O VIA CONEJO	10572040	9500L	-117.210076211	33.8787179003	25	1491962
4114331E	CONCRETE	1989	N/S YANEZ TRAIL, 60' W/O LASSELLE	10572040	9500L	-117.209107075	33.8800306623	25	1491962
4114332E	CONCRETE	1989	S/S YANEZ TRAIL, 200' E/O VISTA CONEJO	10572040	9500L	-117.209794641	33.8800786588	25	1491962
4114333E	CONCRETE	1989	W/S VISTA CONEJO, 5' N/O YANEZ TRAIL	10572040	9500L	-117.210630368	33.8802155101	25	1491962
4114334E	CONCRETE	1989	E/S VISTA CONEJO, 120' N/O XANA	10572040	9500L	-117.210507887	33.8798078911	25	1491962
4114335E	CONCRETE	1989	E/S VISTA CONEJO, 40' S/O XANA	10572040	9500L	-117.210510733	33.8793609265	25	1491962
4114336E	CONCRETE	1989	EAST END OF XANA	10572040	9500L	-117.209912511	33.8794693886	25	1491962
4114337E	CONCRETE	1989	S/S ZAMORA, 45' E/O VISTA CONEJO	10572040	9500L	-117.210378131	33.8808415036	25	1491962
4114338E	CONCRETE	1989	N/S ZAMORA, 50' W/O ZARCO LUNA	10572040	9500L	-117.209920768	33.8809356760	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4114339E	CONCRETE	1989	E/S ZARCO LUNA, 160' N/O ZAMORA	10572040	9500L	-117.209597174	33.8813741988	25	1491962
4114340E	CONCRETE	1989	NORTH END OF ZZARCO LUNA	10572040	9500L	-117.209638436	33.8817846577	25	1491962
4114341E	CONCRETE	1989	S/S ZAMORA, 150' E/O ZARCO LUNA	10572040	9500L	-117.209412700	33.8808116921	25	1491962
4114342E	CONCRETE	1989	W/S ZOCALO, 140' N/O ZAMORA	10572040	9500L	-117.209039424	33.8811651451	25	1491962
4114343E	CONCRETE	1989	E/S ZACALO, 220' N/O ZAMORA	10572040	9500L	-117.208728668	33.8814354977	25	1491962
4114344E	CONCRETE	1989	W/S ZACALO, 130' S/O ZORRA	10572040	9500L	-117.208515956	33.8819012965	25	1491962
4114345E	CONCRETE	1989	N/S ZORRA, C/L OF ZACALO	10572040	9500L	-117.208226820	33.8821691955	25	1491962
4114346E	CONCRETE	1989	S/S ZORRA, 180' W/O ZACALO	10572040	9500L	-117.208831043	33.8823026442	25	1491962
4114347E	CONCRETE	1989	N/S ZORRA, 370' E/O VISTA CONEJO	10572040	9500L	-117.209291461	33.8824554367	25	1491962
4114348E	CONCRETE	1989	S/S ZORRA, 230' E/O VISTA CONEJO	10572040	9500L	-117.209814513	33.8823698802	25	1491962
4114349E	CONCRETE	1989	N/S ZORRA, 40' E/O VISTA CONEJO	10572040	9500L	-117.210359881	33.8824407410	25	1491962
4114350E	CONCRETE	1989	W/S VISTA CONEJO, 160' S/O ZORRA	10572040	9500L	-117.210614966	33.8820458529	25	1491962
4151613E	CONCRETE	1990	KRAMERIA N/S, 285' E/O C/L LASSELLE, MRNO VLY	10572040	9500L	-117.206768418	33.8820076922	25	1491962
4151614E	CONCRETE	1990	KRAMERIA S/S, 510' E/O C/L LASSELLE, MRNO VLY	10572040	9500L	-117.206128470	33.8815267432	25	1491962
4151615E	CONCRETE	1990	KRAMERIA N/S, 698' E/O C/L LASSELLE, MRNO VLY	10572040	9500L	-117.205448483	33.8813935113	25	1491962
4151616E	CONCRETE	1990	KRAMERIA S/S, 902' E/O C/L LASSELLE, MRNO VLY	10572040	9500L	-117.204286845	33.8813299607	25	1491962
4151618E	CONCRETE	1990	KRAMERIA S/S, 1311' E/O C/L LASSELLE, MRNO VLY	10572040	9500L	-117.203369704	33.8816807085	25	1491962
4151619E	CONCRETE	1990	KRAMERIA W/S, 1532' NE/O LASSELLE, MRNO VLY	10572040	9500L	-117.202879756	33.8822398715	25	1491962
4063517E	CONCRETE	1989	W/S LASSELLE, 317' N/O VIA XAVIER	10572040	22000L	-117.210030892	33.8780523390	29	1491960
4063518E	CONCRETE	1989	E/S LASSELLE, 317' N/O VIA XAVIER	10572040	22000L	-117.209901182	33.8780344622	29	1491960
4524452E	CONCRETE	2003	W/S LASSELLE, 116' N/O VIA XAVIER	10572040	22000L	-117.210225873	33.8774351272	31	1491960
4063520E	CONCRETE	1989	E/S LASSELLE, 116' N/O VIA XAVIER	10572040	22000L	-117.210076901	33.8774060647	29	1491960
4063503E	CONCRETE	1989	W/S LASSELLE, 680' N/O YANEZ TRAIL RD.	10572040	22000L	-117.207962448	33.8815853836	29	1491960
4063504E	CONCRETE	1989	E/S LASSELLE, 680' N/O YANEZ TRAIL RD.	10572040	22000L	-117.207872870	33.8815410197	29	1491960
4063505E	CONCRETE	1989	W/S LASSELLE, 479' N/O YANEZ TRAIL RD.	10572040	22000L	-117.208323193	33.8810848873	29	1491960
4063506E	CONCRETE	1989	E/S LASSELLE, 479' N/O YANEZ TRAIL RD.	10572040	22000L	-117.208196555	33.8810749589	29	1491960
4063507E	CONCRETE	1989	W/S LASSELLE, 277' N/O YANEZ TRAIL RD.	10572040	22000L	-117.208681852	33.8806097405	29	1491960
4063508E	CONCRETE	1989	E/S LASSELLE, 277' N/O YANEZ TRAIL RD.	10572040	22000L	-117.208531794	33.8805506567	29	1491960
4063509E	CONCRETE	1989	W/S LASSELLE, 76' N/O YANEZ TRAIL RD.	10572040	22000L	-117.208927444	33.8801919356	29	1491960
4063510E	CONCRETE	1989	E/S LASSELLE, 76' N/O YANEZ TRAIL RD.	10572040	22000L	-117.208788388	33.8801781190	29	1491960
4063511E	CONCRETE	1989	W/S LASSELLE, 124' S/O YANEZ TRAIL RD.	10572040	22000L	-117.209243597	33.8796034890	29	1491960
4063512E	CONCRETE	1989	E/S LASSELLE, 124' S/O YANEZ TRAIL RD.	10572040	22000L	-117.209164925	33.8795611824	29	1491960
4063513E	CONCRETE	1989	W/S LASSELLE, 720' N/O VIA XAVIER	10572040	22000L	-117.209582009	33.8789587170	29	1491960
4063514E	CONCRETE	1989	E/S LASSELLE, 720' N/O VIA XAVIER	10572040	22000L	-117.209441775	33.8789792300	29	1491960
4063515E	CONCRETE	1989	W/S LASSELLE, 518' N/O VIA XAVIER	10572040	22000L	-117.209800220	33.8785263675	29	1491960
4063516E	CONCRETE	1989	E/S LASSELLE, 518' N/O VIA XAVIER	10572040	22000L	-117.209705595	33.8784904358	29	1491960
4514948E	CONCRETE	2003	CLYDESDALE LN S/S, 172' W/O COLT WY	10572040	9500L	-117.206764309	33.8811954616	27	1491962
4514949E	CONCRETE	2003	CLYDESDALE LN S/S, 420' W/O COLT WY	10572040	9500L	-117.207263570	33.8814685818	27	1491962
4514451E	CONCRETE	2003	CLYDESDALE LN S/S, 440' E/O COLT WY	10572040	9500L	-117.204874814	33.8807223165	27	1491962
4514452E	CONCRETE	2003	CLYDESDALE LN S/S, 225' E/O COLT WY	10572040	9500L	-117.205501721	33.8807933223	27	1491962
4514453E	CONCRETE	2003	CLYDESDALE LN N/S, 45' E/O COLT WY	10572040	9500L	-117.206056521	33.8810465477	27	1491962
4514457E	CONCRETE	2003	COLT WY E/S, 45' S/O STALLION RD	10572040	9500L	-117.207425518	33.8793038521	27	1491962
4514458E	CONCRETE	2003	STALLION RD N/S, 135' W/O COLT WY	10572040	9500L	-117.207759410	33.8796976355	27	1491962
4514461E	CONCRETE	2003	DARTMOOR CR W/S, 365' N/O STALLION RD	10572040	9500L	-117.207634999	33.8808755918	27	1491962
4514454E	CONCRETE	2003	COLT WY W/S, 155' S/O CLYDESDALE LN	10572040	9500L	-117.206587156	33.8806737651	27	1491962
4514455E	CONCRETE	2003	COLT WY E/S, 340' S/O CLYDESDALE LN	10572040	9500L	-117.206792117	33.8802495618	27	1491962
4514456E	CONCRETE	2003	COLT WY W/S, 167' N/O STALLION RD	10572040	9500L	-117.207291589	33.8798558052	27	1491962
4514459E	CONCRETE	2003	DARTMOOR CR W/S, 65' N/O STALLION RD	10572040	9500L	-117.208094298	33.8800377820	27	1491962
4514460E	CONCRETE	2003	DARTMOOR CR E/S, 225' N/O STALLION RD	10572040	9500L	-117.207810920	33.8804559059	27	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4524596E	CONCRETE	2004	PALOMINO RD W/S, 363' S/O CLYDESDALE LN	10572040	9500L	-117.204369788	33.8799185701	27	1491962
4543819E	CONCRETE	2004	KRAMERIA ST S/S, 53' E/O SPIRIT RD	10572040	9500L	-117.204642365	33.8812726277	27	1491962
4543820E	CONCRETE	2004	CLYDESDALE LN N/S, 133' E/O SPIRIT RD	10572040	9500L	-117.204246513	33.8808963004	27	1491962
4543821E	CONCRETE	2004	HACKNEY CT S/S, 197' S/O CLYDESDALE LN	10572040	9500L	-117.203587603	33.8804428831	27	1491962
4543822E	CONCRETE	2004	CLYDESDALE LN S/S, 45' E/O HACKNEY CT	10572040	9500L	-117.203640692	33.8809338017	27	1491962
4543824E	CONCRETE	2004	SPIRIT RD E/S, 533' S/O CLYDESDALE LN	10572040	9500L	-117.204131434	33.8797159610	27	1491962
4543825E	CONCRETE	2004	SPIRIT RD E/S, 210' S/O CLYDESDALE LN	10572040	9500L	-117.204496581	33.8802208669	27	1491962
4542037E	CONCRETE	2004	CLYDESDALE LN E/S, 283' S/O QUARTER HORSE RD	10572040	9500L	-117.202880877	33.8812707913	27	1491962
4542038E	CONCRETE	2004	CLYDESDALE LN W/S, 119' S/O QUARTER HORSE RD	10572040	9500L	-117.202601800	33.8816714097	27	1491962
4542039E	CONCRETE	2004	QUARTER HORSE RD S/S, 67' E/O KRAMERIA ST	10572040	9500L	-117.202735145	33.8820703015	27	1491962
4514489E	CONCRETE	2003	SPIRIT RD N/S, 868' E/O WELSH CT	10572040	9500L	-117.204362387	33.8791477690	27	1491962
4514490E	CONCRETE	2003	SPIRIT RD S/S, 663' E/O WELSH CT	10572040	9500L	-117.204810294	33.8786453541	27	1491962
4514492E	CONCRETE	2003	WELSH CT W/S, 289' N/O MUSTANG CT	10572040	9500L	-117.205879770	33.8801105669	27	1491962
4514493E	CONCRETE	2003	WELSH CT W/S, 156' N/O MUSTANG CT	10572040	9500L	-117.206100180	33.8798638739	27	1491962
4514494E	CONCRETE	2003	MUSTANG CT ON CUL-DE-SAC, 365' E/O WELSH CT	10572040	9500L	-117.205257354	33.8790969726	27	1491962
4514495E	CONCRETE	2003	MUSTANG CT N/S, 210' E/O WELSH CT	10572040	9500L	-117.205679918	33.8793888299	27	1491962
4514496E	CONCRETE	2003	WELSH CT E/S, 43' S/O MUSTANG CT	10572040	9500L	-117.206341502	33.8794556860	27	1491962
4514497E	CONCRETE	2003	STALLION RD N/S, 43' W/O WELSH CT	10572040	9500L	-117.206903002	33.8791729866	27	1491962
4514498E	CONCRETE	2003	STALLION RD N/S, 100' E/O WELSH CT	10572040	9500L	-117.206371791	33.8788410428	27	1491962
4514499E	CONCRETE	2003	STALLION RD S/S, 294' E/O WELSH CT	10572040	9500L	-117.205961040	33.8784710486	27	1491962
4514500E	CONCRETE	2003	SPIRIT RD N/S, 527' E/O WELSH CT	10572040	9500L	-117.205321431	33.8785748059	27	1491962
8514491E	CONCRETE	2003	WELSH CT W/S, 457' N/O MUSTANG CT	10572040	9500L	-117.205204651	33.8800437391	27	1491962
4524094E	CONCRETE	2004	KRAMERIA N/S, E/O SPIRIT, MORENO VALLEY	10572040	9500L	-117.203955747	33.8815217140	26	1491962
4542035E	CONCRETE	2004	CLYDESDALE LN W/S, 193' N/O QUARTER HORSE RD	10572043	9500L	-117.201989630	33.8823223170	27	1491962
4542036E	CONCRETE	2004	CLYDESDALE LN E/S, 44' N/O QUARTER HORSE RD	10572043	9500L	-117.202097254	33.8819720478	27	1491962
4542040E	CONCRETE	2004	QUARTER HORSE RD S/S, 155' E/O CLYDESDALE LN	10572043	9500L	-117.201973458	33.8816467001	27	1491962
4542041E	CONCRETE	2004	QUARTER HORSE RD N/S, 213' W/O MARE LN	10572043	9500L	-117.201518156	33.8815997820	27	1491962
4542042E	CONCRETE	2004	QUARTER HORSE RD S/S, 34' W/O MARE LN	10572043	9500L	-117.200881386	33.8813823336	27	1491962
4542043E	CONCRETE	2004	MARE LN W/S, 157' N/O QUARTER HORSE RD	10572043	9500L	-117.200711547	33.8818363491	27	1491962
4542044E	CONCRETE	2004	MARE LN E/S, 169' S/O GELDING LN	10572043	9500L	-117.200348026	33.8826065048	27	1491962
4163244E	CONCRETE	1990	N/E C/O SMOKE TREE LN. & GOYA AVE., MRNO VI	10592031	9500L	-117.232157835	33.8847551855	25	1491962
4163245E	CONCRETE	1990	SMOKE TREE LN. W/S, @ GLENBROOK CT., M V	10592031	9500L	-117.232291968	33.8854046528	25	1491962
4163246E	CONCRETE	1990	N/E C/O GLENBROOK CT. & SMOKE TREE LN., M V	10592031	9500L	-117.232184863	33.8854734723	25	1491962
4163248E	CONCRETE	1990	S/E C/O CLEAR WATER DR. & SMOKE TREE LN., M	10592031	9500L	-117.232182287	33.8860600981	25	1491962
4163249E	CONCRETE	1990	CLEARWATER DR. N/S @ SMOKE TREE LN., M V	10592031	9500L	-117.232249430	33.8862169546	25	1491962
4550713E	CONCRETE	2005	CONSTELLATION WY N/S, 155' E/O HALF-MOON CT	10592031	9500L	-117.232239054	33.8823963648	27	1491960
4490698E	CONCRETE	2007	NEW LIGHT WAY, END OF STREET, 400' S/O C/L IR	10592031	9500L	-117.232183690	33.8873237770	27	1491962
4056779E	CONCRETE	1989	S/S CITADEL, 105' E/O GREENFIELD	10592034	9500L	-117.229137364	33.8822624008	25	1491962
4064184E	CONCRETE	1989	E/S STARVIEW, 490' S/O RED MAPLE	10592034	9500L	-117.226732692	33.8838218986	25	1491962
4064185E	CONCRETE	1989	W/S STARVIEW, 220' N/O CITADEL	10592034	9500L	-117.226834381	33.8829705729	25	1491962
4064186E	CONCRETE	1989	E/S STARVIEW, 30' N/O CITADEL	10592034	9500L	-117.226714074	33.8823299298	25	1491962
4064190E	CONCRETE	1989	N/S CITADEL, 140' W/O STARVIEW	10592034	9500L	-117.227208701	33.8823446519	25	1491962
4112670E	CONCRETE	1989	W/S GREENFIELD, 80' N/O CITADEL	10592034	9500L	-117.229632332	33.8825612981	25	1491962
4112671E	CONCRETE	1989	N/S CITADEL, 40' E/O BREEZEWOOD	10592034	9500L	-117.228537009	33.8823434888	25	1491962
4112672E	CONCRETE	1989	E/S SKYWOOD, 160' N/O CITADEL	10592034	9500L	-117.227681762	33.8827299355	25	1491962
4112673E	CONCRETE	1989	W/S SKYWOOD, 365' N/O CITADEL	10592034	9500L	-117.227814340	33.8832982505	25	1491962
4113484E	CONCRETE	1990	E/S GREENFIELD, 580' S/O GOYA	10592034	9500L	-117.229520299	33.8831342063	25	1491962
4113485E	CONCRETE	1990	W/S BREEZEWOOD, 660' S/O NORTH END OF ST.	10592034	9500L	-117.228721363	33.8826968549	25	1491962
4113486E	CONCRETE	1990	E/S BREEZEWOOD, 470' S/O NORTH END OF ST.	10592034	9500L	-117.228612996	33.8834421933	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4163202E	CONCRETE	1990	EMMA E/S, 450' N/O C/L KRAMERIA, MRNO VLY	10592034	9500L	-117.230439078	33.8822859589	25	1491962
4163203E	CONCRETE	1990	EMMA E/S, 800' N/O C/L KRAMERIA, MRNO VLY	10592034	9500L	-117.230422936	33.8832400637	25	1491962
4004600E	CONCRETE	1957	END OF HAZELWOOD CT	10592034	9500L	-117.223627550	33.8831234192	30	1491962
4004828E	CONCRETE	1987	SILVERBIRCH RD E/S, 240' S/O MIDDLEBROOK WY	10592034	9500L	-117.224501550	33.8832943190	25	1491962
4004829E	CONCRETE	1987	SILVERBIRCH RD W/S, 430' S/O MIDDLEBROOK WY	10592034	9500L	-117.224624027	33.8826931979	25	1491962
4004835E	CONCRETE	1987	HAZELWOOD CT E/S, 335' N/O MORNING DOVE	10592034	9500L	-117.223599592	33.8824052917	25	1491962
4004841E	CONCRETE	1987	HAVENWOOD RD W/S, 435' N/O MORNING DOVE	10592034	9500L	-117.222786650	33.8827491608	25	1491962
4004842E	CONCRETE	1987	HAVENWOOD RD E/S, 240' S/O MIDDLEBROOK WY	10592034	9500L	-117.222632232	33.8831587969	25	1491962
4064180E	CONCRETE	1989	E/S STARVIEW, 130' N/O NEWGARDEN	10592034	9500L	-117.226760241	33.8858324734	25	1491962
4064181E	CONCRETE	1989	W/S STARVIEW, 100' S/O NEWGARDEN	10592034	9500L	-117.226906082	33.8851513614	25	1491962
4064182E	CONCRETE	1989	E/S STARVIEW, 50' S/O RED MAPLE	10592034	9500L	-117.226757762	33.8846206712	25	1491962
4064183E	CONCRETE	1989	W/S STARVIEW, 250' S/O RED MAPLE	10592034	9500L	-117.226872077	33.8842024045	25	1491962
4112674E	CONCRETE	1989	E/S SKYWOOD, 560' N/O CITADEL	10592034	9500L	-117.227689074	33.8839110719	25	1491962
4112675E	CONCRETE	1989	W/S SKYWOOD, 740' N/O CITADEL	10592034	9500L	-117.227823377	33.8845395500	25	1491962
4113477E	CONCRETE	1990	N/S NEWGARDEN, 670' E/O GREENFIELD	10592034	9500L	-117.227220572	33.8854882009	25	1491962
4113478E	CONCRETE	1990	S/S NEWGARDEN, 480' E/O GREENFIELD	10592034	9500L	-117.227809481	33.8853852348	25	1491962
4113479E	CONCRETE	1990	N/S NEWGARDEN, 250' E/O GREENFIELD	10592034	9500L	-117.228485978	33.8854532869	25	1491962
4113480E	CONCRETE	1990	E/S GREENFIELD, 50' S/O NEWGARDEN	10592034	9500L	-117.229556547	33.8852892292	25	1491962
4113481E	CONCRETE	1990	N/S GOYA, 40' W/O GREENFIELD	10592034	9500L	-117.229781286	33.8847662283	25	1491962
4113482E	CONCRETE	1990	E/S GREENFIELD, 175' S/O GOYA	10592034	9500L	-117.229549458	33.8842196199	25	1491962
4113483E	CONCRETE	1990	W/S GREENFIELD, 380' S/O GOYA	10592034	9500L	-117.229661862	33.8836366054	25	1491962
4113487E	CONCRETE	1990	W/S BREEZEWOOD, 230' S/O NORTH END OF ST.	10592034	9500L	-117.228757641	33.8839617532	25	1491962
4113488E	CONCRETE	1990	E/S BREEZEWOOD, 80' S/O NORTH END OF ST.	10592034	9500L	-117.228617644	33.8845834280	25	1491962
4163204E	CONCRETE	1990	EMMA E/S, 315' S/O C/L GOYA, MRNO VLY	10592034	9500L	-117.230464510	33.8838505152	25	1491962
4163205E	CONCRETE	1990	S/E C/O EMMA & GOYA, MRNO VLY	10592034	9500L	-117.230444645	33.8846503133	25	1491962
4163206E	CONCRETE	1990	EMMA E/S, 190' N/O C/L GOYA, MRNO VLY	10592034	9500L	-117.230480144	33.8852216177	25	1491962
4163207E	CONCRETE	1990	EMMA E/S, 510' N/O C/L GOYA, MRNO VLY	10592034	9500L	-117.230457480	33.8860699087	25	1491962
4163210E	CONCRETE	1990	N/E C/O GREENFIELD & GATEWOOD, MRNO VLY	10592034	9500L	-117.229600837	33.8862377893	25	1491962
4163211E	CONCRETE	1992	S/E C/O GATEWOOD & GERANIUM EXTN'D, MRNO	10592034	9500L	-117.228940965	33.8861506481	25	1491962
4163212E	CONCRETE	1992	GATEWOOD N/S, 210' E/O C/L GERANIUM, MRNO	10592034	9500L	-117.228252368	33.8862590487	25	1491962
4163213E	CONCRETE	1992	GATEWOOD S/S, 395' E/O C/L GERANIUM, MRNO	10592034	9500L	-117.227783449	33.8861437926	25	1491962
4163214E	CONCRETE	1992	GATEWOOD N/S, 600' E/O C/L GERANIUM, MRNO	10592034	9500L	-117.227163515	33.8862460802	25	1491962
4163215E	CONCRETE	1992	GERANIUM E/S, 350' N/O C/L GATEWOOD, MRNO	10592034	9500L	-117.228911745	33.8871922602	25	1491962
4163216E	CONCRETE	1992	GERANIUM W/S, 560' N/O C/L GATEWOOD, MRNO	10592034	9500L	-117.229054874	33.8875269122	25	1491962
4163239E	CONCRETE	1990	EMMA LN. W/S, 135' N/O C/L CLEAR WATER DR.,	10592034	9500L	-117.230626372	33.8865741299	25	1491962
4163240E	CONCRETE	1990	N/W C/O EMMA LN. & CLEAR WATER DR., MRNO	10592034	9500L	-117.230595030	33.8862508985	25	1491962
4163241E	CONCRETE	1990	EMMA LN. W/S, 187' S/L C/L CLEAR WATER DR., N	10592034	9500L	-117.230579977	33.8856991390	25	1491962
4163242E	CONCRETE	1990	N/W C/O GOYA AVE. & EMMA LN., MRNO VLY	10592034	9500L	-117.230630595	33.8847504296	25	1491962
4163243E	CONCRETE	1990	GOYA AVE. N/S, 117' E/O C/L SMOKE TREE LN., M	10592034	9500L	-117.231833825	33.8847421724	25	1491962
4163247E	CONCRETE	1990	GLENBROOK CT. S/S, 248' E/O C/L SMOKE TREE LN	10592034	9500L	-117.231523487	33.8853835605	25	1491962
4163250E	CONCRETE	1990	CLEAR WATER DR. S/S, 285' W/O C/L EMMA LN.,	10592034	9500L	-117.231644388	33.8861396000	25	1491962
4001941E	CONCRETE	1987	S/S RED MAPLE LN, 340' E/O PERRIS BLVD.	10592034	9500L	-117.225004752	33.8846462531	25	1491962
4004823E	CONCRETE	1987	RED MAPLE LN S/S, 80' E/O WESTERLY WY	10592034	9500L	-117.223420056	33.8846785668	25	1491962
4004824E	CONCRETE	1987	WESTERLY WAY E/S, 150' N/O MIDDLEBROOK WY	10592034	9500L	-117.223686374	33.8843157659	25	1491962
4004825E	CONCRETE	1987	MIDDLEBROOK WY N/S, 110' E/O WESTERLY WY	10592034	9500L	-117.223293353	33.8839396005	25	1491962
4004826E	CONCRETE	1987	MIDDLEBROOK WY S/S, 90' W/O WESTERLY WY	10592034	9500L	-117.224042739	33.8838573376	25	1491962
4004827E	CONCRETE	1987	SILVERBIRCH RD W/S, 80' S/O MIDDLEBROOK	10592034	9500L	-117.224627897	33.8836543909	25	1491962
4039873E	CONCRETE	1988	RED MAPLE LN S/S, 120' W/O SADDLEBROOK LN	10592034	9500L	-117.222281975	33.8846839001	25	1491962
4065850E	CONCRETE	1987	HAVENWOOD RD W/S, 45' S/O MIDDLEBROOK LN	10592034	9500L	-117.222723821	33.8836884579	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4063705E	CONCRETE	1989	W/S PERRIS BLVD., 630' N/O KRAMERIA	10592034	22000L	-117.226206546	33.8827737323	29	1491960
4063706E	CONCRETE	1989	W/S PERRIS BLVD., 828' N/O KRAMERIA	10592034	22000L	-117.226201618	33.8832657098	29	1491960
4003581E	CONCRETE	1987	PERRIS BL E/S, 830' S/O RED MAPLE LN	10592034	22000L	-117.226094162	33.8824295974	29	1491960
4003582E	CONCRETE	1987	PERRIS BL E/S, 630' S/O RED MAPLE LN	10592034	22000L	-117.226111775	33.8829844918	29	1491960
4063707E	CONCRETE	1989	W/S PERRIS BLVD., 1026' N/O KRAMERIA	10592034	22000L	-117.226234202	33.8838111632	29	1491960
4063708E	CONCRETE	1989	W/S PERRIS BLVD., 1225' N/O KRAMERIA	10592034	22000L	-117.226242798	33.8843651807	29	1491960
4063709E	CONCRETE	1989	W/S PERRIS BLVD., 1442' N/O KRAMERIA	10592034	22000L	-117.226271792	33.8850980337	29	1491960
4063710E	CONCRETE	1989	W/S PERRIS BLVD, 1638' N/O KRAMERIA	10592034	22000L	-117.226234328	33.8855764833	29	1491960
4063711E	CONCRETE	1989	W/S PERRIS BLVD., 1848' N/O KRAMERIA	10592034	22000L	-117.226240069	33.8860875741	29	1491960
4063712E	CONCRETE	1989	W/S PERRIS BLVD., 2066' N/O KRAMERIA	10592034	22000L	-117.226245163	33.8865409616	29	1491960
4063713E	CONCRETE	1989	W/S PERRIS BLVD., 2266' N/O KRAMERIA	10592034	22000L	-117.226258722	33.8871619202	29	1491960
4003583E	CONCRETE	1987	PERRIS BL E/S, 430' S/O RED MAPLE LN	10592034	22000L	-117.226089854	33.8834732323	29	1491960
4003584E	CONCRETE	1987	PERRIS BL E/S, 230' S/O RED MAPLE LN	10592034	22000L	-117.226126228	33.8841013833	29	1491960
4357793E	CONCRETE	2000	EMMA LANE E/S 297' S/O IRIS AVE	10592034	9500L	-117.230514451	33.8874568895	27	1491962
4357794E	CONCRETE	2000	EMMA LANE E/S 494' S/O IRIS AVE	10592034	9500L	-117.230503811	33.8869482253	27	1491962
4550711E	CONCRETE	2005	CONSTELLATION WY S/S,145' W/O EMMA LN	10592034	9500L	-117.231214511	33.8823928060	27	1491960
4550712E	CONCRETE	2005	CONSTELLATION WY N/S,155' E/O HALF-MOON C	10592034	9500L	-117.231596761	33.8824979829	27	1491960
4163209E	CONCRETE	1990	GREENFIELD W/S, 85' S/O C/L GATEWOOD, MRNC	10592034	9500L	-117.229672907	33.8859083939	25	1491962
2381426E	CONCRETE	1989	KENSINGTON PL W/S, 40' S/O PARKSIDE LN	10592037	9500L	-117.218301921	33.8825116933	25	1491962
2381427E	CONCRETE	1989	KENSINGTON PL E/S, 135' N/O PARKSIDE LN	10592037	9500L	-117.218124916	33.8829056258	25	1491962
2381429E	CONCRETE	1989	PARKSIDE LN N/S, 210' W/O KENSINGTON PL	10592037	9500L	-117.218933174	33.8826382886	25	1491962
2381430E	CONCRETE	1989	PARKSIDE LN W/S, 375' W/O KENSINGTON PL	10592037	9500L	-117.219453026	33.8828144664	25	1491962
2381438E	CONCRETE	1989	KITCHING ST W/S, 270' N/O PARKSIDE LN	10592037	9500L	-117.217635887	33.8833064961	25	1491962
4039863E	CONCRETE	1988	LOGAN BERRY CT S/S, 50' E/O SADDLEBROOK LN	10592037	9500L	-117.221577009	33.8823528380	25	1491962
4039864E	CONCRETE	1988	SADDLEBROOK LN W/S, 280' S/O HEATHER GLEN	10592037	9500L	-117.221784444	33.8829616315	25	1491962
4039865E	CONCRETE	1988	SADDLEBROOK LN E/S, 90' S/O HEATHER GLEN RD	10592037	9500L	-117.221639788	33.8833405087	25	1491962
4039869E	CONCRETE	1988	HEATHER GLEN RD W/S, 380' S/O SADDLEBROOK	10592037	9500L	-117.220697455	33.8829549693	25	1491962
4039870E	CONCRETE	1988	HEATHER GLEN RD E/S, 420' N/O MORNING DOVE	10592037	9500L	-117.220339548	33.8827006343	25	1491962
4113664E	CONCRETE	1990	W/S ABEDUL, 150' N/O PARKSIDE	10592037	9500L	-117.217043240	33.8829369776	25	1491962
4113669E	CONCRETE	1990	E/S ANCLADERO CT, 375' N/O BUENA FORTUNA	10592037	9500L	-117.216108422	33.8824591799	25	1491962
4113670E	CONCRETE	1990	S/S CALABRIA, 90' E/O ABEDUL	10592037	9500L	-117.216694293	33.8832396708	25	1491962
4113671E	CONCRETE	1990	N/S CALABRIA, 300' E/O ABEDUL	10592037	9500L	-117.216001189	33.8833133998	25	1491962
4113672E	CONCRETE	1990	S/S CALABRIA, 240' W/O AVENIDA DE LORING	10592037	9500L	-117.215287693	33.8832284244	25	1491962
4113673E	CONCRETE	1990	W/S AVENIDA DE LORING, 40' S/O CALABRIA	10592037	9500L	-117.214657137	33.8833593272	25	1491962
4113678E	CONCRETE	1990	E/S AVENIDA DE LORING, 240' S/O CALABRIA	10592037	9500L	-117.214320588	33.8828974190	25	1491962
4114660E	CONCRETE	1989	N/S VIA KANNELA, 35' N/O SABINA CT.	10592037	9500L	-117.212750865	33.8825013854	25	1491962
4114661E	CONCRETE	1989	E/S SABINA, 220' N/O VIA KANNELA	10592037	9500L	-117.213200336	33.8828761660	25	1491962
2381428E	CONCRETE	1989	KENSINGTON CIR N/S, 70' N/O KENSINGTON PL	10592037	9500L	-117.218538143	33.8834372404	25	1491962
2381431E	CONCRETE	1989	PARKSIDE LN E/S, 300' S/O MOORLAND RD	10592037	9500L	-117.219766495	33.8833759233	25	1491962
2381432E	CONCRETE	1989	PARKSIDE LN W/S, 165' S/O MOORLAND RD	10592037	9500L	-117.220187217	33.8837888646	25	1491962
2381433E	CONCRETE	1989	MOORLAND RD N/S, 30' E/O PARKSIDE LN	10592037	9500L	-117.220095620	33.8842877588	25	1491962
2381434E	CONCRETE	1989	MOORLAND RD S/S, 255' E/O PARKSIDE LN	10592037	9500L	-117.219495809	33.8842020979	25	1491962
2381435E	CONCRETE	1989	MOORLAND RD N/S, 355' W/O KITCHING ST	10592037	9500L	-117.218784563	33.8842947488	25	1491962
2381436E	CONCRETE	1989	MOORLAND RD S/S, 185' W/O KITCHING ST	10592037	9500L	-117.218124426	33.8842035642	25	1491962
2381437E	CONCRETE	1989	KITCHING ST W/S, 40' N/O MOORLAND RD	10592037	9500L	-117.217597944	33.8843712857	25	1491962
4003017E	CONCRETE	1988	CEREMONY AVE S/S, 280' E/O BITSY	10592037	9500L	-117.219236695	33.8877276907	25	1491962
4003019E	CONCRETE	1988	CEREMONY S/S, 25' W/O BITSY ST	10592037	9500L	-117.220096541	33.8877127797	25	1491962
4003020E	CONCRETE	1988	NIPPET LN W/S, 140' S/O CEREMONY	10592037	9500L	-117.218249784	33.8874665386	25	1491962
4003021E	CONCRETE	1988	NIPPET LN W/S, 490' S/O CEREMONY	10592037	9500L	-117.218224201	33.8867775454	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4003022E	CONCRETE	1988	NIPPET LN E/S, 245' N/O EBONY	10592037	9500L	-117.218091518	33.8860239482	25	1491962
4003023E	CONCRETE	1988	NIPPET LN W/S, 85' N/O EBONY	10592037	9500L	-117.218244633	33.8852798060	25	1491962
4003032E	CONCRETE	1988	EBONY AVE W/S, 150' N/O MAXY	10592037	9500L	-117.221407173	33.8874331679	25	1491962
4003033E	CONCRETE	1988	EBONY AVE W/S, 30' S/O MAXY	10592037	9500L	-117.221419734	33.8869009401	25	1491962
4003034E	CONCRETE	1988	EBONY AVE E/S, 400' S/O MAXY	10592037	9500L	-117.221293575	33.8861290662	25	1491962
4003035E	CONCRETE	1988	EBONY AVE S/S, 610' S/O MAXY	10592037	9500L	-117.221252251	33.8855262916	25	1491962
4003036E	CONCRETE	1988	EBONY AVE N/S, 380' W/O SPACE	10592037	9500L	-117.220413598	33.8851439965	25	1491962
4003037E	CONCRETE	1988	EBONY AVE S/S, 225' W/O SPACE	10592037	9500L	-117.219727666	33.8850692703	25	1491962
4003038E	CONCRETE	1988	EBONY AVE S/S, 180' E/O SPACE	10592037	9500L	-117.218488718	33.8850651402	25	1491962
4003039E	CONCRETE	1988	EBONY AVE S/S, 25' E/O NIPPET	10592037	9500L	-117.217934998	33.8850501889	25	1491962
4003041E	CONCRETE	1988	MAXY DR N/S, 155' E/O EBONY AVE	10592037	9500L	-117.220928001	33.8870075463	25	1491962
4003042E	CONCRETE	1988	MAXY DR S/S, 335' E/O EBONY AVE	10592037	9500L	-117.220382667	33.8869232444	25	1491962
4003043E	CONCRETE	1988	MAXY DR N/S, 555' E/O EBONY AVE	10592037	9500L	-117.219620786	33.8870044370	25	1491962
4003044E	CONCRETE	1988	MAXY DR N/S, 10' E/O SPACE AVE	10592037	9500L	-117.218958689	33.8869345079	25	1491962
4003045E	CONCRETE	1988	SPACE AVE E/S, 150' S/O MAXY DR	10592037	9500L	-117.218951895	33.8865171397	25	1491962
4003046E	CONCRETE	1988	SPACE AVE W/S, 45' S/O ORBIT CT	10592037	9500L	-117.219071132	33.8861763288	25	1491962
4003093E	CONCRETE	1988	ORBIT CT N/S, 152' W/O SPACE AVE	10592037	9500L	-117.219580647	33.8861833425	25	1491962
4003094E	CONCRETE	1988	ORBIT CT S/S, 355' W/O SPACE AVE	10592037	9500L	-117.220126334	33.8860781873	25	1491962
4003095E	CONCRETE	1988	EBONY AVE N/S, 45' W/O SPACE	10592037	9500L	-117.219083194	33.8851896862	25	1491962
4039866E	CONCRETE	1988	HEATHER GLEN RD N/S, 50' E/O SADDLEBROOK LN	10592037	9500L	-117.221534422	33.8836651277	25	1491962
4039867E	CONCRETE	1988	SADDLEBROOK LN W/S, 310' S/O RED MAPLE LN	10592037	9500L	-117.221789901	33.8838523648	25	1491962
4039868E	CONCRETE	1988	HEATHER GLEN RD E/S, 265' E/O SADDLEBROOK LN	10592037	9500L	-117.220903091	33.8833786557	25	1491962
4039872E	CONCRETE	1988	SADDLEBROOK LN E/S, 80' S/O RED MAPLE LN	10592037	9500L	-117.221683325	33.8844549158	25	1491962
4059857E	CONCRETE	1989	SPACE AVE E/S, 160' S/O ORBIT CT	10592037	9500L	-117.218944320	33.8857376268	25	1491962
4062511E	CONCRETE	1990	S/S HONDA BARRANCA, 280' W/O LA FORTUNA	10592037	9500L	-117.216381921	33.8876824294	25	1491962
4113653E	CONCRETE	1990	W/S ABEDUL, 330' N/O FRENTE CALIENTE	10592037	9500L	-117.217015943	33.8868585787	25	1491962
4113654E	CONCRETE	1990	E/S ABEDUL, 120' N/O FRENTE CALIENTE	10592037	9500L	-117.216860233	33.8864393639	25	1491962
4113655E	CONCRETE	1990	N/S FRENTE CALIENTE, 160' E/O ABEDUL	10592037	9500L	-117.216413001	33.8861583215	25	1491962
4113656E	CONCRETE	1990	W/S ABEDUL, 140' S/O FRENTE CALIENTE	10592037	9500L	-117.217028825	33.8857217534	25	1491962
4113657E	CONCRETE	1990	E/S ABEDUL, C/L OF IVORY	10592037	9500L	-117.216840549	33.8851905890	25	1491962
4113658E	CONCRETE	1990	N/S CALLITA, 40' E/O ABEDUL	10592037	9500L	-117.216771916	33.8847435680	25	1491962
4113659E	CONCRETE	1990	W/S ABEDUL, 120' S/O CALLITA	10592037	9500L	-117.216900268	33.8843492710	25	1491962
4113663E	CONCRETE	1990	E/S ABEDUL, 160' N/O CALABRIA	10592037	9500L	-117.216900659	33.8838015322	25	1491962
4113677E	CONCRETE	1990	WEST END OF CASCADA CIR.	10592037	9500L	-117.216083703	33.8839993755	25	1491962
4062512E	CONCRETE	1990	W/S LA FORTUNA, 135' S/O HONDA BARRANCA	10592037	9500L	-117.215410315	33.8874430430	25	1491962
4062513E	CONCRETE	1990	S/S RANCHITA CIR, 190' W/O LA FORTUNA	10592037	9500L	-117.215864424	33.8869912535	25	1491962
4062514E	CONCRETE	1990	E/S LA FORTUNA, 45' N/O TOMADILLA	10592037	9500L	-117.215289795	33.8866571601	25	1491962
4062515E	CONCRETE	1990	N/S TOMADILLA, 260' E/O LA FORTUNA	10592037	9500L	-117.214655168	33.8865985839	25	1491962
4062516E	CONCRETE	1990	W/S LA FORTUNA, 65' N/O MORENA CIR	10592037	9500L	-117.215100939	33.8857741339	25	1491962
4062518E	CONCRETE	1990	E/S LA FORTUNA, 210' S/O MORENA CIR	10592037	9500L	-117.214607221	33.8851669107	25	1491962
4062519E	CONCRETE	1990	W/S LA FORTUNA, 180' N/O RANCHO DEL LAGO	10592037	9500L	-117.214266411	33.8845800898	25	1491962
4062520E	CONCRETE	1990	E/S LA FORTUNA, 40' S/O RANCHO DEL LAGO	10592037	9500L	-117.213721871	33.8841413485	25	1491962
4062521E	CONCRETE	1990	W/S LA FORTUNA, 230' S/O RANCHO DEL LAGO	10592037	9500L	-117.213620106	33.8837309192	25	1491962
4062522E	CONCRETE	1990	W/S RANCHO DEL LAGO, 175' S/O ALPARAS CIR	10592037	9500L	-117.213473987	33.8847067402	25	1491962
4062523E	CONCRETE	1990	E/S RANCHO DEL LAGO, 25' N/O ALPARAS CIR	10592037	9500L	-117.213317077	33.8853230791	25	1491962
4062524E	CONCRETE	1990	WEST END OF ALPARAS CIR	10592037	9500L	-117.213919741	33.8852788485	25	1491962
4062525E	CONCRETE	1990	W/S RANDHO DEL LAGO, 175' S/O LA SALINA	10592037	9500L	-117.213430631	33.8859286323	25	1491962
4062526E	CONCRETE	1990	E/S RANDHO DEL LAGO, 45' N/O LA SALINA	10592037	9500L	-117.213150160	33.8866745744	25	1491962
4062527E	CONCRETE	1990	S/S LA SALINA, 260' E/O RANDHO DEL LAGO	10592037	9500L	-117.212314828	33.8864834861	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4062537E	CONCRETE	1990	E/S RANCHO DEL LAGO, 300' S/O IRIS	10592037	9500L	-117.212891179	33.8877916979	25	1491962
4062538E	CONCRETE	1990	W/S RANCHO DEL LAGO, 530' S/O IRIS	10592037	9500L	-117.213148075	33.8873990460	25	1491962
4113660E	CONCRETE	1990	S/S CALLITA, 270' E/O ABEDUL	10592037	9500L	-117.216126704	33.8846781937	25	1491962
4113661E	CONCRETE	1990	W/S AVENIDA DE LORING, 230' N/O CALLITA	10592037	9500L	-117.215810480	33.8854169620	25	1491962
4113662E	CONCRETE	1990	E/S AVENIDA DE LORING, 10' S/O CALLITA	10592037	9500L	-117.215530503	33.8850111619	25	1491962
4113674E	CONCRETE	1990	E/S AVENIDA DE LORING, 140' N/O CALABRIA	10592037	9500L	-117.214843499	33.8839092923	25	1491962
4113675E	CONCRETE	1990	W/S AVENIDA DE LORING, 40' N/O CASCADA CIR.	10592037	9500L	-117.215248893	33.8843402864	25	1491962
4113676E	CONCRETE	1990	S/S CASCADA CIR., 130' W/O AVENIDA DE LORING	10592037	9500L	-117.215495239	33.8840308761	25	1491962
4114655E	CONCRETE	1989	W/S CALLE AGUA, 35' N/O ALMANOR CT.	10592037	9500L	-117.212343357	33.8840151842	25	1491962
4114657E	CONCRETE	1989	E/S CALLE AGUA, 175' S/O ALMANOR CT.	10592037	9500L	-117.212490312	33.8834900351	25	1491962
4232013E	CONCRETE	1994	25659 MORENA CR., MORENO VALLEY	10592037	9500L	-117.214278963	33.8859388362	25	1491962
4003024E	CONCRETE	1988	KITCHING ST W/S, 724' S/O IRIS AVE	10592037	22000L	-117.217609650	33.8863113140	29	1491960
4003025E	CONCRETE	1988	KITCHING ST W/S, 450' S/O IRIS AVE	10592037	22000L	-117.217569365	33.8871332889	29	1491960
4003026E	CONCRETE	1988	KITCHING ST W/S, 252' S/O IRIS	10592037	22000L	-117.217424279	33.8876636659	29	1491960
4003040E	CONCRETE	1988	KITCHING ST W/S, 45' S/O EBONY AVE	10592037	22000L	-117.217571583	33.8852591051	29	1491960
4063637E	CONCRETE	1989	N/S KRAMERIA, 1255' W/O LASSELLE	10592040	9500L	-117.211688806	33.8825142068	25	1491962
4063638E	CONCRETE	1989	S/S KRAMERIA, 1080' W/O LASSELLE	10592040	9500L	-117.211069990	33.8826813314	25	1491962
4063639E	CONCRETE	1989	N/S KRAMERIA, 876' W/O LASSELLE	10592040	9500L	-117.210532033	33.8829431052	25	1491962
4063640E	CONCRETE	1989	S/S KRAMERIA, 671' W/O LASSELLE	10592040	9500L	-117.209882404	33.8829417836	25	1491962
4063641E	CONCRETE	1989	N/S KRAMERIA, 468' W/O LASSELLE	10592040	9500L	-117.208867551	33.8829509059	25	1491962
4063642E	CONCRETE	1989	S/S KRAMERIA, 274' W/O LASSELLE	10592040	9500L	-117.208460985	33.8827492357	25	1491962
4114651E	CONCRETE	1989	N/E COR OF VIA KANNELA AND CALLE AURORA	10592040	9500L	-117.210792305	33.8834250977	25	1491962
4114658E	CONCRETE	1989	N/S VIA KANNELA, 190' W/O AURORA	10592040	9500L	-117.211389974	33.8831730240	25	1491962
4114659E	CONCRETE	1989	S/S VIA KANNELA, 20' N/O CALLE AGUA	10592040	9500L	-117.212039090	33.8827803696	25	1491962
4114663E	CONCRETE	1990	E/S CALLE PINATA, 40' N/O CALLE FUEGO	10592040	9500L	-117.208371215	33.8834075196	25	1491962
4114677E	CONCRETE	1990	N/S CALLE FUEGO, 50' E/O VIA IMPRESSO	10592040	9500L	-117.209896025	33.8834999769	25	1491962
4114678E	CONCRETE	1990	S/S CALLE FUEGO, 240' W/O CALLE PINATA	10592040	9500L	-117.209246866	33.8833957482	25	1491962
4114679E	CONCRETE	1990	S/S CALLE FUEGO, 25' W/O VIA ULTIMO	10592040	9500L	-117.207725529	33.8830224980	25	1491962
4114680E	CONCRETE	1990	W/S VIA ULTIMO, 150' N/O CALLE FUEGO	10592040	9500L	-117.207520703	33.8833498073	25	1491962
4151621E	CONCRETE	1990	KRAMERIA W/S, 1935' NE/O LASSELLE, MRNO VLV	10592040	9500L	-117.202440581	33.8831081680	25	1491962
4114652E	CONCRETE	1989	CALLE AURORA200' N/O KANNELA	10592040	9500L	-117.210982111	33.8838665483	25	1491962
4114653E	CONCRETE	1989	N/E COR OF CALLE AURORA AND???400' N/O KA	10592040	9500L	-117.210766197	33.8845138118	25	1491962
4114654E	CONCRETE	1989	E/S CALLE AGUA, 260' N/O ALMANOR CT.	10592040	9500L	-117.211779694	33.8844013096	25	1491962
4114656E	CONCRETE	1989	S/S ALMANOR CT., 180' E/O CALLE AGUA	10592040	9500L	-117.211817305	33.8837583081	25	1491962
4114664E	CONCRETE	1990	W/S CALLE PINATA, 20' N/O NUBLADO CIR.	10592040	9500L	-117.208268894	33.8842564654	25	1491962
4114665E	CONCRETE	1990	W/S NUBLADO CIR., 270' N/O CALLE PINATA	10592040	9500L	-117.207584193	33.8847720336	25	1491962
4114666E	CONCRETE	1990	E/S CALLE PINATA, 50' S/O CALLE AGUA	10592040	9500L	-117.208487201	33.8847969248	25	1491962
4114667E	CONCRETE	1990	N/S CALLE AGUA, 210' S/O ONDA CIR.	10592040	9500L	-117.208198755	33.8853591810	25	1491962
4114668E	CONCRETE	1990	N/S ONDA CIR., 200' E/O CALLE AGUA	10592040	9500L	-117.207098211	33.8855448916	25	1491962
4114669E	CONCRETE	1990	S/S CALLE AGUA, 50' N/O ONDA CIR.	10592040	9500L	-117.207440920	33.8858343524	25	1491962
4114671E	CONCRETE	1990	W/S ARROYO PARK CIR., 260' N/O CALLE AGUA	10592040	9500L	-117.208650384	33.8856623317	25	1491962
4114672E	CONCRETE	1990	E/S ARROYO PARK CIR., 440' N/O CALLE AGUA	10592040	9500L	-117.208831153	33.8862166929	25	1491962
4114673E	CONCRETE	1990	N/S CALLE AGUA, 40' E/O GRANDE ISLA	10592040	9500L	-117.209237658	33.8846408004	25	1491962
4114674E	CONCRETE	1990	W/S GRANDE ISLA, 150' S/O CALLE AGUA	10592040	9500L	-117.209201719	33.8841734735	25	1491962
4114675E	CONCRETE	1990	S/S CALLE AGUA, 50' E/O VIA IMPRESSO	10592040	9500L	-117.209933770	33.8843900738	25	1491962
4114676E	CONCRETE	1990	W/S VIA IMPRESSO, 210' S/O CALLE AGUA	10592040	9500L	-117.210075832	33.8838537673	25	1491962
4114681E	CONCRETE	1990	E/S VIA ULTIMO, 360' N/O CALLE FUEGO	10592040	9500L	-117.207062969	33.8837245618	25	1491962
4114682E	CONCRETE	1990	W/S VIA ULTIMO, 590' N/O CALLE FUEGO	10592040	9500L	-117.206573683	33.8845604320	25	1491962
4114683E	CONCRETE	1990	E/S VIA ULTIMO, 480' S/O CALLE AGUA	10592040	9500L	-117.206177364	33.8849616673	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4114684E	CONCRETE	1990	W/S VIA ULTIMO, 200' S/O CALLE AGUA	10592040	9500L	-117.206026395	33.8856668725	25	1491962
4114686E	CONCRETE	1990	E/S GRANDE ISLA CIR., 200' N/O CALLE AGUA	10592040	9500L	-117.209617992	33.8851659816	25	1491962
4114687E	CONCRETE	1990	W/S GRANDE ISLA, 440' N/O CALLE AGUA	10592040	9500L	-117.209999373	33.8856459176	25	1491962
4114685E	CONCRETE	1990	S/S CALLE AGUA, 120' W/O LASSELLE	10592040	9500L	-117.205624020	33.8863403915	25	1491962
4163022E	CONCRETE	1991	CAHUILLA S/S, 80' E/O C/L LASSELLE	10592040	9500L	-117.204968319	33.8858507563	25	1491962
4163023E	CONCRETE	1991	CAHUILLA N/S, 265' E/O C/L LASSELLE	10592040	9500L	-117.204424007	33.8857647469	25	1491962
4163024E	CONCRETE	1991	CAHUILLA S/S, 440' E/O C/L LASSELLE	10592040	9500L	-117.204284971	33.8856150794	25	1491962
4163025E	CONCRETE	1991	CAHUILLA N/S, 620' E/O C/L LASSELLE	10592040	9500L	-117.203691970	33.8855661205	25	1491962
4163026E	CONCRETE	1991	CAHUILLA S/S, 810' E/O C/L LASSELLE	10592040	9500L	-117.203101120	33.8853259048	25	1491962
4163027E	CONCRETE	1991	CAHUILLA N/S, 965' E/O C/L LASSELLE	10592040	9500L	-117.202575092	33.8853534026	25	1491962
4269294E	CONCRETE	1995	N/S CALLE AGUA 350' W/O LASSALLE	10592040	9500L	-117.206298472	33.8864589692	31	1491962
4063646E	CONCRETE	1989	W/S LASSELLE, 239' N/O KRAMERIA	10592040	22000L	-117.207035314	33.8828385575	29	1491960
4063647E	CONCRETE	1989	E/S LASSELLE, 239' N/O KRAMERIA	10592040	22000L	-117.206938865	33.8827912630	29	1491960
4063649E	CONCRETE	1989	E/S LASSELLE, 445' N/O KRAMERIA	10592040	22000L	-117.206466416	33.8834549754	29	1491960
4063650E	CONCRETE	1989	W/S LASSELLE, 759' N/O KRAMERIA	10592040	22000L	-117.206144742	33.8841085248	29	1491960
4151357E	CONCRETE	1991	W/S LASSELLE, 445' N/O KRAMERIA	10592040	22000L	-117.206583370	33.8834976463	29	1491960
4063551E	CONCRETE	1989	W/S LASSELLE, 1317' S/O IRIS	10592040	22000L	-117.205433016	33.8876853031	29	1491960
4063552E	CONCRETE	1989	E/S LASSELLE, 759' N/O KRAMERIA	10592040	22000L	-117.206022898	33.8840394708	29	1491960
4063553E	CONCRETE	1989	W/S LASSELLE, 966' N/O KRAMERIA	10592040	22000L	-117.205804949	33.8845735964	29	1491960
4063554E	CONCRETE	1989	E/S LASSELLE, 966' N/O KRAMERIA	10592040	22000L	-117.205682338	33.8845557474	29	1491960
4063555E	CONCRETE	1989	W/S LASSELLE, 1171' N/O KRAMERIA	10592040	22000L	-117.205506704	33.8851540227	29	1491960
4063556E	CONCRETE	1989	E/S LASSELLE, 1171' N/O KRAMERIA	10592040	22000L	-117.205375020	33.8851512549	29	1491960
4063557E	CONCRETE	1989	W/S LASSELLE, 1376' N/O KRAMERIA	10592040	22000L	-117.205340061	33.8856349877	29	1491960
4063559E	CONCRETE	1989	W/S LASSELLE, 1582' N/O KRAMERIA	10592040	22000L	-117.205254698	33.8861967534	29	1491960
4063560E	CONCRETE	1989	E/S LASSELLE, 1582' N/O KRAMERIA	10592040	22000L	-117.205112012	33.8862459431	29	1491960
4063562E	CONCRETE	1989	E/S LASSELLE, 1757' N/O KRAMERIA	10592040	22000L	-117.205118997	33.8868112381	29	1491960
4063564E	CONCRETE	1989	E/S LASSELLE, 1933' N/O KRAMERIA	10592040	22000L	-117.205199359	33.8873402152	29	1491960
4497481E	CONCRETE	2002	VIA ULTIMO W/S,50' N/O CALLE AGUA	10592040	9500L	-117.205838446	33.8865653314	27	1491962
4497482E	CONCRETE	2002	VIA ULTIMO E/S,250' N/O CALLE AGUA	10592040	9500L	-117.205754152	33.8870879812	27	1491962
4497483E	CONCRETE	2002	VIA ULTIMO W/S,425' S/O PALAMINO	10592040	9500L	-117.205999442	33.8875878316	27	1491962
4497487E	CONCRETE	2002	COYOTE SPRINGS CT W/S,170' S/O PALAMINO	10592040	9500L	-117.207026523	33.8875307797	27	1491962
4497488E	CONCRETE	2002	COYOTE SPRINGS CT E/S,330' S/O PALAMINO	10592040	9500L	-117.206780751	33.8872800134	27	1491962
4497489E	CONCRETE	2002	PALAMINO S/S,205' W/O COYOTE SPRINGS CT	10592040	9500L	-117.207800593	33.8875915525	27	1491962
4497490E	CONCRETE	2002	PALAMINO W/S,360' W/O COYOTE SPRINGS CT	10592040	9500L	-117.207901208	33.8869498491	27	1491962
4497491E	CONCRETE	2002	PALAMINO E/S,240' N/O CALLE AGUA	10592040	9500L	-117.207549078	33.8867046181	27	1491962
4497492E	CONCRETE	2002	PALAMINO W/S,45' N/O CALLE AGUA	10592040	9500L	-117.207222828	33.8862299238	27	1491962
4524337E	CONCRETE	2004	KRAMERIA ST E/S, 60' N/O GELDING WY	10592040	9500L	-117.202358730	33.8838021012	27	1491962
4497270E	CONCRETE	2003	PENINSULA CT E/S, 153' S/O C/L LAKE SHORE ST	10592040	9500L	-117.210692827	33.8878085241	27	1491962
4709510E	CONCRETE	2008	E/S LASSELLE, 1376' N/O KRAMERIA	10592040	22000L	-117.205197631	33.8856247866	31	1491960
4151620E	CONCRETE	1990	KRAMERIA E/S, 1740' NE/O LASSELLE, MRNO VLY	10592040	9500L	-117.202447313	33.8826866537	25	1491962
4151623E	CONCRETE	1990	KRAMERIA W/S, 2349' NE/O LASSELLE, MRNO VLY	10592043	9500L	-117.201959217	33.8856357031	25	1491962
4151624E	CONCRETE	1990	KRAMERIA E/S, 2549' NE/O LASSELLE, MRNO VLY	10592043	9500L	-117.201719940	33.8860697038	25	1491962
4542026E	CONCRETE	2004	CLYDESDALE LN W/S, 46' N/O GELDING WY	10592043	9500L	-117.201557362	33.8835074985	27	1491962
4542028E	CONCRETE	2004	CLYDESDALE LN E/S, 258' N/O GELDING WY	10592043	9500L	-117.201329994	33.8839914853	27	1491962
4542029E	CONCRETE	2004	CLYDESDALE LN N/S, 323' N/O GELDING WY	10592043	9500L	-117.201289882	33.8842543353	27	1491962
4542030E	CONCRETE	2004	CLYDESDALE LN N/S, 525' N/O GELDING WY	10592043	9500L	-117.200750696	33.8841470641	27	1491962
4542031E	CONCRETE	2004	GELDING WY N/S, 153' E/O CLYDESDALE WY	10592043	9500L	-117.201004117	33.8833273229	27	1491962
4542032E	CONCRETE	2004	GELDING WY S/S, 166' W/O MARE LN	10592043	9500L	-117.200693936	33.8831691713	27	1491962
4542034E	CONCRETE	2004	CLYDESDALE LN E/S, 130' S/O GELDING WY	10592043	9500L	-117.201540773	33.8829220159	27	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4542033E	CONCRETE	2004	MARE LN W/S, 29' S/O GELDING WY	10592043	9500L	-117.200317753	33.8830666806	27	1491962
4542027E	CONCRETE	2004	N/E C/O KRAMERIA & GELDING WAY	10592043	9500L	-117.202247759	33.8835198586	27	1491962
4163353E	CONCRETE	1991	IRIS N/S, 778' W/O C/L CONCORD WAY, MRNO VLY	10612028	22000L	-117.242638582	33.8882695371	29	1491960
4163354E	CONCRETE	1991	HEACOCK E/S, 75' N/O C/L IRIS, MRNO VLY	10612028	22000L	-117.243512845	33.8883948013	29	1491960
4163355E	CONCRETE	1991	HEACOCK E/S, 275' N/O C/L IRIS, MRNO VLY	10612028	22000L	-117.243501494	33.8889745816	29	1491960
4163356E	CONCRETE	1991	HEACOCK E/S, 475' N/O C/L IRIS, MRNO VLY	10612028	22000L	-117.243488820	33.8895126655	29	1491960
4163357E	CONCRETE	1991	HEACOCK E/S, 675' N/O C/L IRIS, MRNO VLY	10612028	22000L	-117.243514026	33.8900626812	29	1491960
4163358E	CONCRETE	1991	HEACOCK E/S, 68' S/O C/L REVERE PL., MRNO VLY	10612028	22000L	-117.243513278	33.8906389038	29	1491960
4163359E	CONCRETE	1991	REVERE PL. N/S, 75' E/O C/L HEACOCK, MRNO VLY	10612028	22000L	-117.243341329	33.8908411594	29	1491960
4421166E	CONCRETE	2003	HEACOCK E/S, 127' N/O C/L REVERE PL., MRNO VLY	10612028	22000L	-117.243522298	33.8911384948	32	1491960
4163361E	CONCRETE	1991	HEACOCK E/S, 327' N/O C/L REVERE PL., MRNO VLY	10612028	22000L	-117.243525500	33.8917038700	29	1491960
4163391E	CONCRETE	1991	REVERE PL. N/S, 269' E/O C/L HEACOCK, MRNO VLY	10612028	22000L	-117.242691384	33.8908245811	29	1491960
4002840E	CONCRETE	1988	CARMAN LN W/S, 420' W/O CROIX ST	10612031	9500L	-117.238795694	33.8888283966	25	1491962
4002841E	CONCRETE	1988	CARMAN LN N/S, 220' W/O CROIX ST	10612031	9500L	-117.238162838	33.8888896089	25	1491962
4002842E	CONCRETE	1988	CARMAN LN S/S, 45' W/O CROIX ST	10612031	9500L	-117.237462855	33.8886980147	25	1491962
4039633E	CONCRETE	1988	IRIS AVE N/S, 222' W/O INDIAN AVE	10612031	9500L	-117.235445653	33.8883539425	45	1491962
2327344E	CONCRETE	1957	NADIA ST W/S N/O FITZ ST	10612031	9500L	-117.238826065	33.8925055743	30	1491962
2327345E	CONCRETE	1957	S/S FITZ ST E/O NADIA ST	10612031	9500L	-117.238071113	33.8923858609	30	1491962
2327346E	CONCRETE	1957	N/S FITZ ST E/O NADIA ST	10612031	9500L	-117.237606847	33.8924700296	30	1491962
2343939E	CONCRETE	1985	LIPARI DR, W/S, 150' S/O LIOLIOS WY	10612031	9500L	-117.236650628	33.8928650520	25	1491962
2351353E	CONCRETE	1987	WILDWOOD ST N/S, 160' W/O JALANIE LN	10612031	9500L	-117.236102763	33.8913107274	25	1491962
2351354E	CONCRETE	1987	WILDWOOD ST S/S, 5' E/O JUNE CT	10612031	9500L	-117.236624558	33.8912232461	25	1491962
2351355E	CONCRETE	1987	JUNE CT W/S, 155' N/O WILDWOOD ST	10612031	9500L	-117.236637424	33.8917901853	25	1491962
2351356E	CONCRETE	1987	WILDWOOD ST N/S, 145' W/O JUNE CT	10612031	9500L	-117.237132560	33.8912711173	25	1491962
2351357E	CONCRETE	1987	E/S APRIL 135' N/O WILDWOOD	10612031	9500L	-117.238623352	33.8917945736	25	1491962
2351358E	CONCRETE	1987	WILDWOOD & APRIL S/S LT 11	10612031	9500L	-117.238691776	33.8913460274	25	1491962
2351359E	CONCRETE	1987	N/S WILDWOOD 145' W/O SHERYL	10612031	9500L	-117.238125107	33.8912763787	25	1491962
2351360E	CONCRETE	1987	S/S WILDWOOD X OF SHERYL	10612031	9500L	-117.237629846	33.8911931690	25	1491962
2351361E	CONCRETE	1987	135' N/O WILDWOOD E/S SHERYL LT 33	10612031	9500L	-117.237608417	33.8916079673	25	1491962
2352347E	CONCRETE	1986	FITZ ST, S/S, 170' E/O SHERYL LN	10612031	9500L	-117.237254488	33.8923747154	25	1491962
2352348E	CONCRETE	1986	FITZ ST, S/S, COR/O LIPARI DR	10612031	9500L	-117.236757608	33.8923677396	25	1491962
2352349E	CONCRETE	1986	FITZ ST, N/S, 195' E/O LIPARI LN	10612031	9500L	-117.236191604	33.8924498557	25	1491962
2361984E	CONCRETE	1988	FIJI DR N/S, 465' W/O CROIX ST	10612031	9500L	-117.238991106	33.8896286353	25	1491962
4002836E	CONCRETE	1988	ST. THOMAS AVE W/S, 465' W/O CROIX ST	10612031	9500L	-117.238988036	33.8903721961	25	1491962
4002837E	CONCRETE	1988	ST. THOMAS AVE S/S, 170' W/O CROIX ST	10612031	9500L	-117.238055830	33.8903285000	25	1491962
4002838E	CONCRETE	1988	ST. THOMAS AVE N/S, 200' E/O CROIX ST	10612031	9500L	-117.236733837	33.8904174389	25	1491962
4002843E	CONCRETE	1988	CROIX ST E/S, 45' N/O CARMAN LN	10612031	9500L	-117.237358727	33.8889827282	25	1491962
4002844E	CONCRETE	1988	CARMAN LN S/S, 235' E/O CROIX ST	10612031	9500L	-117.236679346	33.8888509080	25	1491962
4002845E	CONCRETE	1988	CARMAN LN N/S, 400' E/O CROIX ST	10612031	9500L	-117.236092642	33.8889029451	25	1491962
4002847E	CONCRETE	1988	FIJI DR S/S, 220' W/O CROIX ST	10612031	9500L	-117.237963777	33.8895653926	25	1491962
4002848E	CONCRETE	1988	CROIX ST E/S, 45' N/O FIJI DR	10612031	9500L	-117.237361836	33.8897141160	25	1491962
4002849E	CONCRETE	1988	FIJI DR S/S, 215' E/O CROIX ST	10612031	9500L	-117.236716392	33.8895802670	25	1491962
2351351E	CONCRETE	1987	WILDWOOD ST S/S, 25' W/O JALANIE LN	10612031	9500L	-117.235603080	33.8912058458	25	1491962
2351352E	CONCRETE	1987	JALANIE LN W/S, 155' N/O WILDWOOD	10612031	9500L	-117.235664941	33.8916839553	25	1491962
2352350E	CONCRETE	1986	JALANIE LN, E/S, 25' S/O FITZ ST	10612031	9500L	-117.235586192	33.8924291098	25	1491962
4002839E	CONCRETE	1988	ST. THOMAS AVE S/S, 324' W/O INDIAN ST	10612031	9500L	-117.236080842	33.8903236943	25	1491962
4002846E	CONCRETE	1988	CARMAN LN S/S, 580' E/O CROIX ST	10612031	9500L	-117.235358873	33.8888382838	25	1491962
4002850E	CONCRETE	1988	FIJI DR N/S, 540' E/O CROIX ST	10612031	9500L	-117.235707178	33.8896242204	25	1491962
4064041E	CONCRETE	1989	E/S INDIAN, 198' N/O IRIS	10612031	9500L	-117.234789492	33.8888977314	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4064042E	CONCRETE	1989	E/S INDIAN, 498' N/O IRIS	10612031	9500L	-117.234804142	33.8899006513	25	1491962
4163351E	CONCRETE	1991	IRIS N/S, 64' E/O C/L CONCORD WAY, MRNO VLY	10612031	22000L	-117.239971232	33.8883063912	29	1491960
4163352E	CONCRETE	1991	IRIS N/S, 373' W/O C/L CONCORD WAY, MRNO VL	10612031	22000L	-117.240993901	33.8882935939	29	1491960
4163382E	CONCRETE	1991	CONCORD WAY W/S, 78' N/O C/L IRIS, MRNO VLY	10612031	22000L	-117.240176758	33.8884576369	29	1491960
4064037E	CONCRETE	1989	N/S IRIS, 665' E/O INDIAN	10612031	22000L	-117.232681831	33.8883572562	29	1491960
4064039E	CONCRETE	1989	N/S IRIS, 260' E/O INDIAN	10612031	22000L	-117.233981511	33.8883447468	29	1491960
4064040E	CONCRETE	1989	N/S IRIS, 75' E/O INDIAN	10612031	22000L	-117.234760450	33.8883703305	29	1491960
4163383E	CONCRETE	1991	CONCORD WAY E/S, 233' N/O C/L IRIS, MRNO VLY	10612031	22000L	-117.240067980	33.8888725252	29	1491960
4163384E	CONCRETE	1991	CONCORD WAY W/S, 470' N/O C/L IRIS, MRNO VL	10612031	22000L	-117.240182067	33.8895366238	29	1491960
4163385E	CONCRETE	1991	CONCORD WAY E/S, 670' N/O C/L IRIS, MRNO VLY	10612031	22000L	-117.240072415	33.8900764382	29	1491960
4163386E	CONCRETE	1991	CONCORD WAY W/S, 846' N/O C/L IRIS, MRNO VL	10612031	22000L	-117.240193171	33.8905424669	29	1491960
4163388E	CONCRETE	1991	REVERE PL. S/S, 867' E/O C/L HEACOCK, MRNO VL	10612031	22000L	-117.240711791	33.8911095901	29	1491960
4163389E	CONCRETE	1991	REVERE PL. N/S, 676' E/O C/L HEACOCK, MRNO V	10612031	22000L	-117.241378448	33.8911172884	29	1491960
4163390E	CONCRETE	1991	REVERE PL. N/S, 480' E/O C/L HEACOCK, MRNO V	10612031	22000L	-117.241968533	33.8909802484	29	1491960
4576460E	CONCRETE	2006	S/S IRIS AV, 184' E/O INDIAN ST.	10612031	22000L	-117.234224422	33.8882497064	27	1491960
4064038E	CONCRETE	1989	N/S IRIS, 446' E/O INDIAN	10612031	22000L	-117.233357735	33.8883412852	29	1491960
4532852E	CONCRETE	2007	REVERE PL. N/S @ CONCORD WAY, MRNO VLY	10612031	22000L	-117.240116484	33.8911127527	31	1491960
2344252EE	CONCRETE	1957	WEDOW DR W/S 120' N/O IRIS	10612034	9500L	-117.222552334	33.8886940564	25	1491962
2344253EE	CONCRETE	1957	NINYA N/S 120'W/O WEDON	10612034	9500L	-117.222890967	33.8890123392	25	1491962
2344254EE	CONCRETE	1957	WEDOW DR E/S 300'N/O IRIS	10612034	9500L	-117.222398762	33.8891977821	25	1491962
4002468E	CONCRETE	1987	IRIS AVE N/S, 713' E/O PERRIS BLVD	10612034	9500L	-117.223892236	33.8884082466	25	1491962
2344255E	CONCRETE	1957	WEDOW DR E/S AT COBRA LN	10612034	9500L	-117.222410460	33.8897742050	30	1491962
2344256E	CONCRETE	1957	W/S WEDOW S/O SANTIAGO DR	10612034	9500L	-117.222553448	33.8903139642	30	1491962
2344257E	CONCRETE	1957	WEDOW DR W/S S/O SANTIAGO DR	10612034	9500L	-117.222435664	33.8910435341	30	1491962
2344258E	CONCRETE	1957	WEDOW DR W/S AT SANTIAGO DR	10612034	9500L	-117.222550568	33.8916930832	30	1491962
2344259EE	CONCRETE	1957	NAN AV N/S C/O WEDOW DR	10612034	9500L	-117.222779829	33.8906460969	30	1491962
2344260EE	CONCRETE	1957	NAN N/S E/O WEDOW DR	10612034	9500L	-117.223273241	33.8909045406	30	1491962
2344261EE	CONCRETE	1957	NAN S/S E/O WEDOW DR	10612034	9500L	-117.223623728	33.8912286328	30	1491962
2344262EE	CONCRETE	1957	NAN AV W/S S/O SANTIAGO DR	10612034	9500L	-117.223667795	33.8916397354	30	1491962
2344263EE	CONCRETE	1957	S/E COR NAN AV AND SANTIAGO DR	10612034	9500L	-117.223502440	33.8918842080	30	1491962
4002467E	CONCRETE	1987	NINYA AVE S/S, 1337' S/O SANTIAGO DR	10612034	9500L	-117.223461368	33.8889501793	25	1491962
4002469E	CONCRETE	1987	NINYA AVE N/S, 1187' S/O SANTIAGO DR	10612034	9500L	-117.224096239	33.8891149339	25	1491962
4002470E	CONCRETE	1987	NINYA AVE W/S, 960' S/O SANTIAGO DR	10612034	9500L	-117.224617459	33.8894033588	25	1491962
4002471E	CONCRETE	1987	NINYA AVE E/S, 790' S/O SANTIAGO DR	10612034	9500L	-117.224881314	33.8898690003	25	1491962
4002472E	CONCRETE	1987	NINYA AVE W/S, 627' S/O SANTIAGO DR	10612034	9500L	-117.225271813	33.8901550262	25	1491962
4002474E	CONCRETE	1987	NINYA AVE E/S, 392' S/O SANTIAGO DR	10612034	9500L	-117.225454019	33.8908758595	25	1491962
4002477E	CONCRETE	1987	NINYA AVE W/S, 210' S/O SANTIAGO DR	10612034	9500L	-117.225581161	33.8913856069	25	1491962
4002478E	CONCRETE	1987	SANTIAGO DR S/S, 45' E/O NINYA AVE	10612034	9500L	-117.225411830	33.8919028974	25	1491962
4002479E	CONCRETE	1987	COBRA DR S/S, 1150' S/O SANTIAGO DR	10612034	9500L	-117.222979388	33.8897099090	25	1491962
4002480E	CONCRETE	1987	COBRA DR N/S, 861' S/O SANTIAGO DR	10612034	9500L	-117.223575154	33.8899284987	25	1491962
4002481E	CONCRETE	1987	COBRA DR W/S, 649' S/O SANTIAGO DR	10612034	9500L	-117.224067609	33.8902351110	25	1491962
4002482E	CONCRETE	1987	COBRA DR E/S, 390' S/O SANTIAGO DR	10612034	9500L	-117.224577955	33.8908751833	25	1491962
4002483E	CONCRETE	1987	COBRA DR W/S, 205' S/O SANTIAGO DR	10612034	9500L	-117.224615417	33.8914206979	25	1491962
4002484E	CONCRETE	1987	COBRA DR E/S, 45' S/O SANTIAGO DR	10612034	9500L	-117.224595411	33.8918363561	25	1491962
213239S	WOOD	1974	IRIS ST S/S 1095 W/O PERRIS BLVD	10612034	22000L	-117.229811167	33.8882922246	40	1491960
4063714E	CONCRETE	1989	W/S PERRIS BLVD., 2455' N/O KRAMERIA	10612034	22000L	-117.226258521	33.8877925397	29	1491960
4063717E	CONCRETE	1989	S/S IRIS, 250' W/O PERRIS BLVD.	10612034	22000L	-117.227014413	33.8883346629	29	1491960
4063718E	CONCRETE	1989	S/S IRIS, 452' W/O PERRIS BLVD.	10612034	22000L	-117.227641148	33.8883178131	29	1491960
4063719E	CONCRETE	1989	S/S IRIS, 662' W/O PERRIS BLVD.	10612034	22000L	-117.228293095	33.8883047643	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4063720E	CONCRETE	1989	S/S IRIS, 845' W/O PERRIS BLVD.	10612034	22000L	-117.228979880	33.8883105245	29	1491960
2344251EE	CONCRETE	1957	IRIS AVE. N/S 20'W/O WEDOW DR.	10612034	22000L	-117.222555170	33.8883906119	25	1491960
4207103E	CONCRETE	1991	IRIS N/S, 248' E/O C/L PERRIS BLVD	10612034	22000L	-117.225437323	33.8884177297	29	1491960
4207104E	CONCRETE	1991	IRIS N/S, 482' E/O C/L PERRIS BLVD	10612034	22000L	-117.224661077	33.8884147255	29	1491960
4002473E	CONCRETE	1987	PERRIS BLVD E/S, 565' S/O SANTIAGO DR	10612034	22000L	-117.226160500	33.8904106134	29	1491960
4002475E	CONCRETE	1987	PERRIS BLVD E/S, 325' S/O SANTIAGO DR	10612034	22000L	-117.226152621	33.8910390277	29	1491960
4002476E	CONCRETE	1987	PERRIS BLVD E/S, 95' S/O SANTIAGO DR	10612034	22000L	-117.226143132	33.8916705624	29	1491960
4030189E	CONCRETE	1988	PERRIS BL E/S, 434' N/O SANTIAGO DR	10612034	22000L	-117.226171952	33.8930863443	29	1491960
4030190E	CONCRETE	1988	PERRIS BL E/S, 251' N/O SANTIAGO DR	10612034	22000L	-117.226149109	33.8926331680	29	1491960
4030191E	CONCRETE	1988	PERRIS BL E/S, 64' N/O SANTIAGO DR	10612034	22000L	-117.226173150	33.8921246494	29	1491960
4207101E	CONCRETE	1991	PERRIS BLVD. E/S, 522' N/O C/L IRIS	10612034	22000L	-117.226142848	33.8897681745	29	1491960
4207102E	CONCRETE	1991	PERRIS BLVD. E/S, 295' N/O C/L IRIS	10612034	22000L	-117.226129948	33.8891644931	29	1491960
4357792E	CONCRETE	2000	EMMA LANE E/S 74' S/O IRIS AVE	10612034	9500L	-117.230492011	33.8879141179	27	1491962
4285938E	CONCRETE	2002	IRIS N/S, 250' W/O C/L WEDOW	10612034	22000L	-117.223264301	33.8884070288	32	1491960
4498540E	CONCRETE	2004	IRIS AVE N/S, 665' W/O C/L PERRIS BLVD	10612034	22000L	-117.228419646	33.8883901623	32	1491960
4498542E	CONCRETE	2004	IRIS AVE N/S, 263' W/O C/L PERRIS BLVD	10612034	22000L	-117.227079900	33.8884207633	32	1491960
4498543E	CONCRETE	2003	PERRIS BL W/S, 293' N/O C/L IRIS AV	10612034	22000L	-117.226257597	33.8891723177	32	1491960
4498545E	CONCRETE	2003	PERRIS BL W/S, 752' N/O C/L IRIS AV	10612034	22000L	-117.226284842	33.8904241239	32	1491960
4532891E	CONCRETE	2007	IRIS AVE N/S, 466' W/O C/L PERRIS BLVD	10612034	22000L	-117.227728569	33.8883951439	32	1491960
4498544E	CONCRETE	2003	PERRIS BL W/S, 513' N/O C/L IRIS AV	10612034	22000L	-117.226279651	33.8897587670	32	1491960
4003016E	CONCRETE	1988	CEREMONY AVE N/S, 130' E/O BITSY	10612037	9500L	-117.219607983	33.8878287662	25	1491962
4003018E	CONCRETE	1988	CEREMONY AVE N/S, 10' W/O NIPPET LN	10612037	9500L	-117.218053222	33.8878644582	25	1491962
4003030E	CONCRETE	1988	CEREMONY N/S, 215' W/O BITSY ST	10612037	9500L	-117.220565952	33.8878152608	25	1491962
4003031E	CONCRETE	1988	CEREMONY N/S, 30' E/O EBONY AVE	10612037	9500L	-117.221251023	33.8878395169	25	1491962
4063523E	CONCRETE	1989	E/S KITCHING, 2477' S/O GENTIAN	10612037	9500L	-117.217204273	33.8888196580	25	1491962
4063627E	CONCRETE	1989	N/S IRIS, 290' E/O KITCHING	10612037	9500L	-117.216539692	33.8883292049	29	1491962
4063628E	CONCRETE	1989	S/S IRIS, 290' E/O KITCHING	10612037	9500L	-117.216536231	33.8882564753	29	1491962
4062510E	CONCRETE	1990	E/S LA FORTUNA, 70' N/O HONDA BARRANCA	10612037	9500L	-117.215292598	33.8879541003	25	1491962
4062536E	CONCRETE	1990	W/S RANCHO DEL LAGO, 100' S/O IRIS	10612037	9500L	-117.212943543	33.8882454422	25	1491962
4113751E	CONCRETE	1989	/SW COR OF PATATA WY AND PALO CEDRO DR	10612037	9500L	-117.215506331	33.8888679581	25	1491962
4113752E	CONCRETE	1989	PALO CEDRO DR 250' W/O PATATA WY	10612037	9500L	-117.216174544	33.8889819768	25	1491962
4113765E	CONCRETE	1989	END OF PAMPAS CT 200' N/O PALO CEDRO DR	10612037	9500L	-117.214961185	33.8894444966	25	1491962
2315381E	CONCRETE	1986	PATRICIA ST, E/S, 360' N/O SANTIAGO DR	10612037	9500L	-117.221246488	33.8927820314	25	1491962
2315382E	CONCRETE	1986	PATRICIA ST, W/S, 125' N/O SANTIAGO DR	10612037	9500L	-117.221420629	33.8923298771	25	1491962
2315383E	CONCRETE	1986	SANTIAGO DR, N/W COR/O PATRICIA ST	10612037	9500L	-117.221426815	33.8919373420	25	1491962
2344264EE	CONCRETE	1957	S/S SANTIAGO DR E/O WEDOW & W/O PATRICIA	10612037	9500L	-117.221539935	33.8918441338	30	1491962
2357853E	CONCRETE	1986	SHAMEL ASH S/S, 273' W/O CL/O BLUE CHIP	10612037	9500L	-117.219058806	33.8889088472	25	1491962
2357854E	CONCRETE	1986	BLUE CHIP ST E/S, 50' S/O CL/O PATRICIA AV	10612037	9500L	-117.218095610	33.8888271162	25	1491962
2357855E	CONCRETE	1986	PATRICIA AVE N/S, 93' W/O CL/O BLUE CHIP	10612037	9500L	-117.218648864	33.8890128933	25	1491962
2357856E	CONCRETE	1986	PATRICIA AVE N/S, 463' W/O CL/O BLUE CHIP	10612037	9500L	-117.219717624	33.8889748285	25	1491962
2357857E	CONCRETE	1986	BEANTREE AVE S/S, 155' W/O CL/O BLUE CHIP	10612037	9500L	-117.218670369	33.8896063979	25	1491962
2357858E	CONCRETE	1986	BEANTREE AVE S/S, 25' W/O CL/O FARMSTEAD	10612037	9500L	-117.219209136	33.8896133177	25	1491962
2357859E	CONCRETE	1986	PATRICIA AVE S/S, 633' W/O CL/O BLUE CHIP	10612037	9500L	-117.220257941	33.8888954168	25	1491962
2357860E	CONCRETE	1986	PATRICIA AVE N/S, 145' E/O CL/O PATRICIA ST	10612037	9500L	-117.220747224	33.8889507175	25	1491962
2357861E	CONCRETE	1986	SHAMEL ASH DR., S/S 3' E/O C/L PATRICIA STR.	10612037	9500L	-117.221231497	33.8888670278	25	1491962
2357863E	CONCRETE	1986	PATRICIA ST E/S, 283' N/O CL/O PATRICIA AV	10612037	9500L	-117.221197984	33.8896414887	25	1491962
2357864E	CONCRETE	1986	BEANTREE AVE S/S, 365' W/O CL/O FARMSTEAD	10612037	9500L	-117.220270547	33.8895724805	25	1491962
2357865E	CONCRETE	1986	BEANTREE AVE N/S, 220' W/O CL/O FARMSTEAD	10612037	9500L	-117.219791032	33.8896662956	25	1491962
2357866E	CONCRETE	1986	PATRICIA ST W/S, 483' N/O CL/O PATRICIA AV	10612037	9500L	-117.221315036	33.8902594422	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2357867E	CONCRETE	1986	PATRICIA ST E/S, 653' N/O CL/O PATRICIA AV	10612037	9500L	-117.221216874	33.8907011274	25	1491962
2357868E	CONCRETE	1986	PATRICIA ST E/S, 95' S/O CL/O SANTIAGO DR	10612037	9500L	-117.221240153	33.8915962924	25	1491962
2357869E	CONCRETE	1986	SANTIAGO DR S/S, 160' E/O CL/O PATRICIA ST	10612037	9500L	-117.220725114	33.8918781047	25	1491962
2357870E	CONCRETE	1986	FARMSTEAD ST E/S, 98' N/O CL/O BEANTREE AVE	10612037	9500L	-117.219104489	33.8899272990	25	1491962
2357871E	CONCRETE	1986	FARMSTEAD ST W/S, 45' S/O CL/O CAYMAN AVE	10612037	9500L	-117.219214613	33.8905062486	25	1491962
2357872E	CONCRETE	1986	FARMSTEAD ST E/S, 157' N/O CL/O CAYMAN	10612037	9500L	-117.219092546	33.8910174517	25	1491962
2357873E	CONCRETE	1986	BLUE CHIP ST E/S, 30' N/O CL/O BEANTREE	10612037	9500L	-117.218119779	33.8896703196	25	1491962
2357874E	CONCRETE	1986	BLUE CHIP ST W/S, 216' N/O CL/O BEANTREE	10612037	9500L	-117.218282550	33.8902574798	25	1491962
2357875E	CONCRETE	1986	BLUE CHIP ST E/S, 391' N/O CL/O BEANTREE	10612037	9500L	-117.218149646	33.8907235299	25	1491962
2357876E	CONCRETE	1986	FARMSTEAD ST W/S, 155' S/O CL/O SANTIAGO	10612037	9500L	-117.219227100	33.8915513754	25	1491962
2357877E	CONCRETE	1986	SANTIAGO DR S/S, 47' E/O CL/O FARMSTEAD	10612037	9500L	-117.218959405	33.8918687131	25	1491962
2357890E	CONCRETE	1986	PATRICIA ST W/S, 273' S/O CL/O SANTIAGO DR	10612037	9500L	-117.221351232	33.8911355993	25	1491962
2357891E	CONCRETE	1986	BLUE CHIP ST E/S, 145' S/O CL/O BEANTREE	10612037	9500L	-117.218109989	33.8892982229	25	1491962
2357892E	CONCRETE	1957	SANTIAGO N/S W/O KITCHING ST	10612037	9500L	-117.218366037	33.8919543022	30	1491962
2357895E	CONCRETE	1986	BLUE CHIP ST N/S, 550' N/O CL/O BEANTREE	10612037	9500L	-117.218209020	33.8914904282	25	1491962
4002653E	CONCRETE	1987	CAYMAN AVE N/S, 160' E/O CAYMAN CIR	10612037	9500L	-117.219661119	33.8906501277	25	1491962
4002655E	CONCRETE	1987	CAYMAN CIR E/S, 155' N/O CAYMAN AVE	10612037	9500L	-117.220206732	33.8909452047	25	1491962
4002656E	CONCRETE	1987	SANTIAGO DR S/S, 402' E/O PATRICIA ST	10612037	9500L	-117.219974806	33.8918738932	25	1491962
4063524E	CONCRETE	1989	E/S KITCHING, 2064' S/O GENTIAN	10612037	9500L	-117.217197974	33.8899664608	25	1491962
4063525E	CONCRETE	1989	E/S KITCHING 1663' S/O GENTIAN	10612037	9500L	-117.217341158	33.8910482458	25	1491962
4063526E	CONCRETE	1989	E/S KITCHING, 1263' S/O GENTIAN	10612037	9500L	-117.217218402	33.8921569692	25	1491962
4063527E	CONCRETE	1989	E/S KITCHING, 863' S/O GENTIAN	10612037	9500L	-117.217193488	33.8932511944	25	1491962
4063618E	CONCRETE	1989	S/S LOS CABOS, 1863' W/O IRIS	10612037	9500L	-117.216704726	33.8915561595	25	1491962
4065635E	CONCRETE	1991	CARMEL VERDE LN. W/S, 70' N/O C/L CASTAS CT.	10612037	9500L	-117.216729531	33.8931011560	25	1491962
4065636E	CONCRETE	1991	CARMEL VERDE LN. E/S, 200' S/O C/L CASTAS CT.	10612037	9500L	-117.216710476	33.8923375812	25	1491962
4113753E	CONCRETE	1989	ORO GLEN DR 450' S/O PACATO RD	10612037	9500L	-117.216726894	33.8895095489	25	1491962
4113754E	CONCRETE	1989	ORO GLEN DR 250' S/O PACATO RD	10612037	9500L	-117.216746478	33.8900511334	25	1491962
4113755E	CONCRETE	1989	N/E COR OF ORO GLEN AND PACATA RD	10612037	9500L	-117.216666519	33.8907857103	25	1491962
4063612E	CONCRETE	1989	N/S LOS CABOS, 568' W/O IRIS	10612037	9500L	-117.212781239	33.8900875748	25	1491962
4063613E	CONCRETE	1989	S/S LOS CABOS, 778' W/O IRIS	10612037	9500L	-117.213465294	33.8902664290	25	1491962
4063614E	CONCRETE	1989	N/S LOS CABOS, 988' W/O IRIS	10612037	9500L	-117.214207913	33.8906973521	25	1491962
4063615E	CONCRETE	1989	S/S LOS CABOS, 1198' W/O IRIS	10612037	9500L	-117.214868896	33.8908282956	25	1491962
4063616E	CONCRETE	1989	N/S LOS CABOS, 1408' W/O IRIS	10612037	9500L	-117.215432441	33.8911928932	25	1491962
4063617E	CONCRETE	1989	S/S LOS CABOS, 1620' W/O IRIS	10612037	9500L	-117.216140998	33.8913589828	25	1491962
4065637E	CONCRETE	1991	S/W C/O CARMEL VERDE LN. & GRANADA DR.	10612037	9500L	-117.215910117	33.8919972541	25	1491962
4065638E	CONCRETE	1991	GRANADA DR. E/S, 205' S/O C/L CARMEL VERDE LN.	10612037	9500L	-117.216066141	33.8914857477	25	1491962
4065639E	CONCRETE	1991	GRANADA DR. W/S, 145' S/O C/L HORADO LN.	10612037	9500L	-117.215542225	33.8925788973	25	1491962
4065640E	CONCRETE	1991	N/E C/O GRANADA DR. & HORADO LN.	10612037	9500L	-117.215171707	33.8930225049	25	1491962
4065641E	CONCRETE	1991	HORADO LN. S/S, 260' E/O C/L GRANADA DR.	10612037	9500L	-117.214701958	33.8926632892	25	1491962
4065642E	CONCRETE	1991	HORADO LN. N/S, 200' W/O C/L ISLETA LN.	10612037	9500L	-117.214078298	33.8925200258	25	1491962
4065643E	CONCRETE	1991	HORADO LN. S/S, 80' E/O C/L ISLETA LN.	10612037	9500L	-117.213577849	33.8921926821	25	1491962
4065644E	CONCRETE	1991	S/E C/O ISLETA LN. & GUAJOME RD.	10612037	9500L	-117.213022303	33.8924968479	25	1491962
4065645E	CONCRETE	1991	GUAJOME RD. S/S, 260' W/O C/L ISLETA LN.	10612037	9500L	-117.213780198	33.8930775275	25	1491962
4112096E	CONCRETE	1991	CASTAS CT. S/S, 130' E/O C/L CARMEL VERDE LN.	10612037	9500L	-117.216166636	33.8929558652	25	1491962
4112981E	CONCRETE	1990	W/S ISLETA, 150' N/O GUAJOME	10612037	9500L	-117.212902389	33.8929759345	25	1491962
4112989E	CONCRETE	1990	E/S LAS POSAS, 40' N/O HORADO	10612037	9500L	-117.212435091	33.8919416012	25	1491962
4113756E	CONCRETE	1989	N/E COR OF PADRE CT AND PACATA RD	10612037	9500L	-117.215644740	33.8904979127	25	1491962
4113757E	CONCRETE	1989	PADRE CT 150' S/O PACATO DR	10612037	9500L	-117.215868600	33.8900890120	25	1491962
4113758E	CONCRETE	1989	END OF PADRE CT 250' S/O PACATO RD	10612037	9500L	-117.215718791	33.8896180927	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4113759E	CONCRETE	1989	S/W CORNER OF PLAZA SONADA AND PACATO DR	10612037	9500L	-117.215025316	33.8901492725	25	1491962
4113760E	CONCRETE	1989	PACATO RD 350 N/O PALOCEDRO DR	10612037	9500L	-117.214079287	33.8898717753	25	1491962
4113761E	CONCRETE	1989	N/E COR OF PACATO RD AND PALO CEDRO DR	10612037	9500L	-117.213415685	33.8891917262	25	1491962
4113762E	CONCRETE	1989	END OF PALO CEDRO DR 200' E/O PACATO RD	10612037	9500L	-117.212706240	33.8892483556	25	1491962
4113763E	CONCRETE	1989	PALO CEDRO DR 175' W/O PACATO RD	10612037	9500L	-117.214266096	33.8889840534	25	1491962
4113764E	CONCRETE	1989	N/W COR OF PAMOAS CT AND PALO CEDRO DR	10612037	9500L	-117.214966739	33.8889966755	25	1491962
2357851E	CONCRETE	1986	IRIS AVE N/S, 50' E/O CL/O BLUE CHIP ST	10612037	22000L	-117.218007614	33.8883518409	29	1491960
2357852E	CONCRETE	1986	IRIS AVE N/S, 275' W/O CL/O BLUE CHIP	10612037	22000L	-117.219055804	33.8883536417	29	1491960
2357893E	CONCRETE	1986	IRIS AVE N/S, 935' W/O CL/O BLUE CHIP	10612037	22000L	-117.221286399	33.8883716197	29	1491960
2357894E	CONCRETE	1986	IRIS AVE N/S, 510' W/O CL/O BLUE CHIP	10612037	22000L	-117.219868111	33.8883778828	29	1491960
4003028E	CONCRETE	1988	IRIS AVE S/S, 455' E/O BITSY	10612037	22000L	-117.218502340	33.8882573316	29	1491960
4003096E	CONCRETE	1988	IRIS AVE S/S, 335' W/O BITSY ST	10612037	22000L	-117.221079669	33.8883054769	29	1491960
4063607E	CONCRETE	1989	N/S IRIS, 1476' E/O KITCHING	10612037	22000L	-117.212652716	33.8888316716	29	1491960
4063608E	CONCRETE	1989	S/S IRIS, 1476' E/O KITCHING	10612037	22000L	-117.212618151	33.8887289502	29	1491960
4063609E	CONCRETE	1989	N/S IRIS, 1299' E/O KITCHING	10612037	22000L	-117.213212121	33.8886470799	29	1491960
4063610E	CONCRETE	1989	S/S IRIS, 1299' E/O KITCHING	10612037	22000L	-117.213197488	33.8885613726	29	1491960
4063619E	CONCRETE	1989	N/S IRIS, 1111' E/O KITCHING	10612037	22000L	-117.213865960	33.8884855502	29	1491960
4063620E	CONCRETE	1989	S/S IRIS, 1111' E/O KITCHING	10612037	22000L	-117.213823455	33.8884151610	29	1491960
4063621E	CONCRETE	1989	N/S IRIS, 915' E/O KITCHING	10612037	22000L	-117.214482475	33.8883682262	29	1491960
4063622E	CONCRETE	1989	S/S IRIS, 915' E/O KITCHING	10612037	22000L	-117.214472857	33.8883062842	29	1491960
4063623E	CONCRETE	1990	N/S IRIS, 718' E/O KITCHING	10612037	22000L	-117.215102297	33.8883322216	29	1491960
4063624E	CONCRETE	1990	S/S IRIS, 718' E/O KITCHING	10612037	22000L	-117.215073088	33.8882420458	29	1491960
4063625E	CONCRETE	1990	N/S IRIS, 513' E/O KITCHING	10612037	22000L	-117.215799070	33.8883358251	29	1491960
4063626E	CONCRETE	1990	S/S IRIS, 513' E/O KITCHING	10612037	22000L	-117.215816426	33.8882335292	29	1491960
2357878E	CONCRETE	1986	SANTIAGO DR S/S 278' E/O CL/O FARMSTEAD	10612037	5800L	-117.218250029	33.8918632734	25	1491962
4299274E	CONCRETE	1995	PATRICIA ST W/S 107' N/O CL/O PATRICIA AV	10612037	9500L	-117.221304231	33.8892165030	23	1491962
4357764E	CONCRETE	1999	SANTIAGO DR, S/S, 500' E/O NAN AVE	10612037	22500L	-117.222020473	33.8918679965	26	1491962
4442121E	CONCRETE	2002	IRIS AVE S/S, 45' E/O BITSY	10612037	22000L	-117.219855514	33.8882773125	31	1491960
4002654E	CONCRETE	2010	CAYMAN AVE S/S, 15' W/O CAYMAN CIR	10612037	9500L	-117.220180656	33.8905565228	27	1491962
4063611E	CONCRETE	1989	S/S LOS CABOS, 354' W/O IRIS	10612040	9500L	-117.212174129	33.8897003803	25	1491962
4112987E	CONCRETE	1990	W/S LAS POSAS, 5' S/O MORENA	10612040	9500L	-117.212068425	33.8930865656	25	1491962
4112988E	CONCRETE	1990	E/S LAS POSAS, 220' N/O HORADO	10612040	9500L	-117.212248351	33.8923609497	25	1491962
4112990E	CONCRETE	1990	N/S HORADO, 190' E/O LAS POSAS	10612040	9500L	-117.211976171	33.8916293517	25	1491962
4112991E	CONCRETE	1990	S/S HORADO, 10' W/O NAVAIA	10612040	9500L	-117.211136832	33.8915103929	25	1491962
4112992E	CONCRETE	1990	E/S NAVAIA, 190' N/O HORADO	10612040	9500L	-117.211295408	33.8920456917	25	1491962
4112993E	CONCRETE	1990	N/S HORADO, 50' W/O MORENA	10612040	9500L	-117.210537679	33.8917913342	25	1491962
4112994E	CONCRETE	1990	E/S MORENA, 240' N/O HORADO	10612040	9500L	-117.210621894	33.8924907931	25	1491962
4112995E	CONCRETE	1990	S/S MORENA, 240' E/O LAS POSAS	10612040	9500L	-117.211221981	33.8929813053	25	1491962
4151553E	CONCRETE	1991	CAMINO FLORES W/S, 368' N/O C/L IRIS, MRNO V	10612040	9500L	-117.205267809	33.8928218151	25	1491962
4151554E	CONCRETE	1991	CAMINO FLORES E/S, 570' N/O C/L IRIS	10612040	9500L	-117.205307432	33.8934693611	25	1491962
4063606E	CONCRETE	1989	S/S IRIS, 1689' E/O KITCHING	10612040	22000L	-117.212048205	33.8889390982	29	1491960
4063566E	CONCRETE	1989	W/S LASSELLE, 1105' S/O IRIS	10612040	22000L	-117.205685526	33.8882812677	29	1491960
4063468E	CONCRETE	1989	W/S LASSELLE, 907' S/O GENTIAN	10612040	22000L	-117.208210256	33.8931823959	29	1491960
4063469E	CONCRETE	1989	E/S LASSELLE, 907' S/O GENTIAN	10612040	22000L	-117.208076765	33.8932161903	29	1491960
4063470E	CONCRETE	1989	W/S LASSELLE, 1107' S/O GENTIAN	10612040	22000L	-117.207931114	33.8926577929	29	1491960
4063471E	CONCRETE	1989	E/S LASSELLE, 1107' S/O GENTIAN	10612040	22000L	-117.207814746	33.8926739774	29	1491960
4063472E	CONCRETE	1989	W/S LASSELLE, 1257' S/O GENTIAN	10612040	22000L	-117.207703422	33.8922461528	29	1491960
4063473E	CONCRETE	1989	E/S LASSELLE, 1257' S/O GENTIAN	10612040	22000L	-117.207591684	33.8922609588	29	1491960
4063474E	CONCRETE	1989	W/S LASSELLE, 1507' S/O GENTIAN	10612040	22000L	-117.207432442	33.8916066981	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4063475E	CONCRETE	1989	E/S LASSELLE, 1507' S/O GENTIAN	10612040	22000L	-117.207294896	33.8916626163	29	1491960
4063476E	CONCRETE	1989	N/S IRIS, 3083' E/O KITCHING	10612040	22000L	-117.207714966	33.8907375418	29	1491960
4063489E	CONCRETE	1989	N/S IRIS, 2889' E/O KITCHING	10612040	22000L	-117.208289548	33.8905608647	29	1491960
4063490E	CONCRETE	1989	S/S IRIS, 2889' E/O KITCHING	10612040	22000L	-117.208242485	33.8904768537	29	1491960
4063491E	CONCRETE	1989	N/S IRIS, 2689' E/O KITCHING	10612040	22000L	-117.208849862	33.8903354464	29	1491960
4063492E	CONCRETE	1989	S/S IRIS, 2689' E/O KITCHING	10612040	22000L	-117.208797756	33.8902523633	29	1491960
4063493E	CONCRETE	1989	N/S IRIS, 2508' E/O KITCHING	10612040	22000L	-117.209427280	33.8900877344	29	1491960
4063494E	CONCRETE	1989	S/S IRIS, 2508' E/O KITCHING	10612040	22000L	-117.209379633	33.8900258392	29	1491960
4063495E	CONCRETE	1989	N/S IRIS, 2295' E/O KITCHING	10612040	22000L	-117.210111583	33.8898083080	29	1491960
4063496E	CONCRETE	1989	S/S IRIS, 2295' E/O KITCHING	10612040	22000L	-117.210079725	33.8897321791	29	1491960
4063497E	CONCRETE	1989	N/S IRIS, 2087' E/O KITCHING	10612040	22000L	-117.210750621	33.8895602823	29	1491960
4063570E	CONCRETE	1989	W/S LASSELLE, 726' S/O IRIS	10612040	22000L	-117.206148679	33.8891574655	29	1491960
4063572E	CONCRETE	1989	W/S LASSELLE, 536' S/O IRIS	10612040	22000L	-117.206411077	33.8895938878	29	1491960
4063573E	CONCRETE	1989	E/S LASSELLE, 536' S/O IRIS	10612040	22000L	-117.206301263	33.8896870843	29	1491960
4063574E	CONCRETE	1989	W/S LASSELLE, 321' S/O IRIS	10612040	22000L	-117.206714079	33.8901714167	29	1491960
4063575E	CONCRETE	1989	E/S LASSELLE, 321' S/O IRIS	10612040	22000L	-117.206547440	33.8901970078	29	1491960
4063601E	CONCRETE	1989	S/S IRIS, 2087' E/O KITCHING	10612040	22000L	-117.210667055	33.8894804431	29	1491960
4063602E	CONCRETE	1989	N/S IRIS, 1887' E/O KITCHING	10612040	22000L	-117.211404327	33.8892984438	29	1491960
4063603E	CONCRETE	1989	S/S IRIS, 1887' E/O KITCHING	10612040	22000L	-117.211362931	33.8892105116	29	1491960
4063605E	CONCRETE	1989	N/S IRIS, 1689' E/O KITCHING	10612040	22000L	-117.212041392	33.8890483265	29	1491960
4207205E	CONCRETE	1991	S/S IRIS, 3083' E/O KITCHING, MORENO VALLEY	10612040	22000L	-117.207655669	33.8906798840	29	1491960
4063482E	CONCRETE	1989	N/S IRIS, 3685' E/O KITCHING	10612040	22000L	-117.206115097	33.8914054482	29	1491960
4063483E	CONCRETE	1989	S/S IRIS, 3685' E/O KITCHING	10612040	22000L	-117.206060249	33.89131212153	29	1491960
4063484E	CONCRETE	1989	N/S IRIS, 3895' E/O KITCHING	10612040	22000L	-117.205568046	33.8916343858	29	1491960
4063485E	CONCRETE	1989	S/S IRIS, 3895' E/O KITCHING	10612040	22000L	-117.205507773	33.8915481165	29	1491960
4063486E	CONCRETE	1989	S/S IRIS, 4033' E/O KITCHING	10612040	22000L	-117.204902793	33.8917946039	29	1491960
4063487E	CONCRETE	1989	N/S IRIS, 4277' E/O KITCHING	10612040	22000L	-117.204291029	33.8921502972	29	1491960
4063568E	CONCRETE	1989	W/S LASSELLE, 915' S/O IRIS	10612040	22000L	-117.205855149	33.8886147346	29	1491960
4063569E	CONCRETE	1989	E/S LASSELLE, 915' S/O IRIS	10612040	22000L	-117.205722987	33.8886489248	29	1491960
4063571E	CONCRETE	1989	E/S LASSELLE, 726' S/O IRIS	10612040	22000L	-117.206000652	33.8891520488	29	1491960
4165302E	CONCRETE	1990	IRIS S/S, 1150' E/O C/L LASSELLE, MRNO VLY	10612040	22000L	-117.203739603	33.8922609742	29	1491960
4165304E	CONCRETE	1990	IRIS S/S, 1305' E/O C/L LASSELLE, MRNO VLY	10612040	22000L	-117.203026701	33.8925368853	29	1491960
4165305E	CONCRETE	1990	IRIS S/S, 1504' E/O C/L LASSELLE, MRNO VLY	10612040	22000L	-117.202548107	33.8927166070	29	1491960
4165306E	CONCRETE	1990	IRIS N/S, 1504' E/O C/L LASSELLE, MRNO VLY	10612040	22000L	-117.202545992	33.8928197285	29	1491960
4497484E	CONCRETE	2002	VIA ULTIMO E/S, 185' S/O PALAMINO	10612040	9500L	-117.206078754	33.8881713431	27	1491962
4497485E	CONCRETE	2002	PALAMINO S/S, 65' W/O VIA ULTIMO	10612040	9500L	-117.206688062	33.8886231884	27	1491962
4497486E	CONCRETE	2002	PALAMINO N/S, 45' E/O COYOTE SPRINGS CT	10612040	9500L	-117.207200640	33.8880743643	27	1491962
4474648E	CONCRETE	2003	THOROUGHbred LN W/S, 37' S/O COACHLIGHT C	10612040	9500L	-117.202617748	33.8934930452	27	1491960
4484401E	CONCRETE	2003	THOROUGHbred LN E/S, 202' S/O C/L COACHLIGHT	10612040	9500L	-117.203117333	33.8932049074	27	1491962
4484402E	CONCRETE	2002	THOROUGHbred LN W/S, 125' N/O C/L SAGE CT	10612040	9500L	-117.203785933	33.8930455461	27	1491962
4484403E	CONCRETE	2002	THOROUGHbred LN S/S AND 15' S/O C/L SAGE CT	10612040	9500L	-117.204230518	33.8928580731	27	1491962
4484404E	CONCRETE	2002	SAGE CT N/S, 82' W/O C/L THOROUGHbred LN	10612040	9500L	-117.204346406	33.8931445904	27	1491962
4414070E	CONCRETE	2003	EDGEWATER ST E/S, 111' N/O C/L LAKE SHORE ST	10612040	9500L	-117.209466022	33.8887961852	27	1491962
4497266E	CONCRETE	2003	PENINSULA CT W/S, 91' S/O C/L IRIS AVE	10612040	9500L	-117.211212326	33.8890146255	27	1491962
4497267E	CONCRETE	2003	SHORELINE ST S/S, 45' E/O C/L PENINSULA CT	10612040	9500L	-117.210837132	33.8887874461	27	1491962
4497268E	CONCRETE	2003	PENINSULA CT W/S, 127' S/O C/L SHORELINE ST	10612040	9500L	-117.210933356	33.8884681808	27	1491962
4497269E	CONCRETE	2003	LAKE SHORE ST S/S, 59' E/O C/L PENINSULA CT	10612040	9500L	-117.210560332	33.8880880161	27	1491962
4497271E	CONCRETE	2003	LAKE SHORE ST N/S, 230' E/O C/L PENINSULA CT	10612040	9500L	-117.210155519	33.8882801879	27	1491962
4497272E	CONCRETE	2003	LAKE SHORE ST S/S, 36' W/O C/L EDGEWATER ST	10612040	9500L	-117.209506102	33.8885016409	27	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4497273E	CONCRETE	2003	SHORELINE ST S/S, 44' W/O C/L EDGEWATER ST	10612040	9500L	-117.209873780	33.8891368022	27	1491962
4497274E	CONCRETE	2003	EDGEWATER ST W/S, 90' S/O C/L IRIS AVE	10612040	9500L	-117.209936614	33.8894524803	27	1491962
4497275E	CONCRETE	2003	SHORELINE ST N/S, 203' W/O C/L EDGEWATER ST	10612040	9500L	-117.210395219	33.8890730729	27	1491962
4271943E	CONCRETE	1996	IRIS N/S 1150' E/O LASSELLE	10612040	22000L	-117.203792698	33.8923368978	28	1491960
4063488E	CONCRETE	1989	S/S IRIS, 4277' E/O KITCHING	10612040	9500L	-117.204233553	33.8920614244	29	1491960
4709686E	CONCRETE	2012	IRIS N/S, 1305' E/O C/L LASSELLE,	10612040	22000L	-117.203326591	33.8925417527	31	1491960
4165307E	CONCRETE	1990	IRIS N/S, 1703' E/O C/L LASSELLE, MRNO VLY	10612043	22000L	-117.202126523	33.8930299842	29	1491960
4165308E	CONCRETE	1990	IRIS S/S, 1703' E/O C/L LASSELLE, MRNO VLY	10612043	22000L	-117.202051182	33.8929229340	29	1491960
4165309E	CONCRETE	1990	IRIS N/S, 1898' E/O C/L LASSELLE, MRNO VLY	10612043	22000L	-117.201479530	33.8933331265	29	1491960
4299130E	CONCRETE	1997	IRIS S/S 1898' E/O C/L LASSELLE, MORENO VLY	10612043	22000L	-117.201485796	33.8931765641	29	1491960
4497137E	CONCRETE	2003	PUEBLO VISTA WY N/S, 162' NE/O MESA VERDE D	10612043	9500L	-117.198087238	33.8936156529	27	1491962
4497148E	CONCRETE	2003	GRANDE VISTA DR W/S, 840' S/O IRIS AVE	10612043	9500L	-117.195939409	33.8931124894	27	1491962
4474647E	CONCRETE	2003	COACHLIGHT CT E/S, 43' S/O THOROUGHbred LN	10612043	9500L	-117.202383699	33.8933153710	27	1491960
4487692E	CONCRETE	2003	AVENIDA DE CIRCO E/S, 50' N/O C/L SANTA ROSA	10612043	9500L	-117.201937961	33.8924601312	27	1491962
4487693E	CONCRETE	2003	AVENIDA DE CIRCO E/S, 130' S/O C/L SANTA ROSA	10612043	9500L	-117.201531946	33.8920831009	27	1491962
4487694E	CONCRETE	2003	AVENIDA DE CIRCO E/S, 318' S/O C/L SANTA ROSA	10612043	9500L	-117.201154756	33.8916655321	27	1491962
4487690E	CONCRETE	2004	SANTA ROSA DR N/S, 40' E/O C/L AVENIDA DE CA	10612043	9500L	-117.201013610	33.8928697088	27	1491962
4487691E	CONCRETE	2004	SANTA ROSA DR S/S, 159' W/O C/L AVENIDA DE C	10612043	9500L	-117.201502539	33.8924804944	27	1491962
4509471E	CONCRETE	2003	RANCHO BUENA CIR N/S, 172' NE/O MESA VERDE	10612043	9500L	-117.197224565	33.8931058242	27	1491962
4509478E	CONCRETE	2003	VISTA DEL MAR ST E/S, 381' S/O ENCINITAS AVE	10612043	9500L	-117.196330366	33.8919930158	27	1491962
4509479E	CONCRETE	2003	VISTA DEL MAR ST W/S, 228' S/O ENCINITAS AVE	10612043	9500L	-117.196455922	33.8924515651	27	1491962
4509480E	CONCRETE	2003	VISTA DEL MAR ST E/S, 46' S/O ENCINITAS AVE	10612043	9500L	-117.196315585	33.8929322260	27	1491962
4509482E	CONCRETE	2003	ORANGE VISTA DR W/S, 155' S/O ENCINITAS AVE	10612043	9500L	-117.195945775	33.8926278702	27	1491962
4471866E	CONCRETE	2004	AVENIDA DE LA PAZ S/S, 76' W/O AVENIDA DEL C	10612043	9500L	-117.200096909	33.8924771022	27	1491962
4471867E	CONCRETE	2004	AVENIDA DEL CORAZON E/S, 180' S/O AVENIDA D	10612043	9500L	-117.199448337	33.8921887305	27	1491962
4471868E	CONCRETE	2004	AVENIDA DEL CORAZON W/S, 35' N/O CALLE LIND	10612043	9500L	-117.199211333	33.8915709885	27	1491962
4471869E	CONCRETE	2004	AVENIDA DE LA PAZ N/S, 102' E/O AVENIDA DE LA	10612043	9500L	-117.199611031	33.8927773787	27	1491962
4471870E	CONCRETE	2004	BELLEZA CIR W/S, 56' S/O AVENIDA DE LA PAZ	10612043	9500L	-117.198892042	33.8930035953	27	1491962
4471871E	CONCRETE	2004	BELLEZA CIR W/S, 248' S/O AVENIDA DE LA PAZ	10612043	9500L	-117.198492876	33.8926106339	27	1491962
4471873E	CONCRETE	2004	MESA VERDE DR W/S, 37' S/O RANCHO BUENA CI	10612043	9500L	-117.197617811	33.8926961228	27	1491962
4525381E	CONCRETE	2004	SANTA ROSA DR N/S, 404' W/O C/L MESA VERDE	10612043	9500L	-117.199938778	33.8934939210	27	1491962
4525382E	CONCRETE	2004	SANTA ROSA DR S/S, 260' E/O C/L AVENIDA DE CA	10612043	9500L	-117.200373100	33.8931113107	27	1491962
4525388E	CONCRETE	2004	AVENIDA DE CIRCO E/S, 492' S/O C/L SANTA ROSA	10612043	9500L	-117.200922585	33.8912812685	27	1491962
4509481E	CONCRETE	2003	VISTA DEL MAR ST W/S, 120' N/O ENCINITAS AVE	10612043	9500L	-117.196447843	33.8933700765	27	1491962
4509483E	CONCRETE	2003	ORANGE VISTA DR W/S, 330' N/O BONITA HEIGHT	10612043	9500L	-117.195950408	33.8916424693	27	1491962
4514076E	CONCRETE	2004	AVENIDA DE CALMA W/S, 131' S/O SANTA ROSA	10612043	9500L	-117.200886953	33.8924168628	27	1491962
4514077E	CONCRETE	2003	AVENIDA DE CALMA E/S, 46' S/O NO NAME ST	10612043	9500L	-117.200438479	33.8921363963	27	1491962
4514078E	CONCRETE	2003	AVENIDA DE CALMA W/S, 286' N/O BONITA HEIGH	10612043	9500L	-117.200130114	33.8915058545	27	1491962
4514079E	CONCRETE	2003	AVENIDA DE CALMA E/S, 192' N/O BONITA HEIGH	10612043	9500L	-117.199950885	33.8911851527	27	1491962
4514080E	CONCRETE	2003	AVENIDA DE CALMA W/S, 6' S/O BONITA HEIGHTS	10612043	9500L	-117.200207651	33.8906739314	27	1491962
4514081E	CONCRETE	2003	BONITA HEIGHTS DR N/S, 185' E/O AVENIDA DE C	10612043	9500L	-117.199566822	33.8906502349	27	1491962
4514082E	CONCRETE	2003	BONITA HEIGHTS DR S/S, 343' E/O AVENIDA DE C	10612043	9500L	-117.198962005	33.8906435556	27	1491962
4514083E	CONCRETE	2003	BONITA HEIGHTS DR N/S, 327' W/O MESA VERDE	10612043	9500L	-117.198512736	33.8908696518	27	1491962
4514084E	CONCRETE	2003	BONITA HEIGHTS DR S/S, 146' W/O MESA VERDE	10612043	9500L	-117.197887529	33.8908986689	27	1491962
4514085E	CONCRETE	2004	MESA VERDE DR W/S, S/O CALLE LINDA	10612043	9500L	-117.197485997	33.8915521220	27	1491962
4514086E	CONCRETE	2004	CALLE LINDA N/S, 205' W/O C/L MESA VERDE DR	10612043	9500L	-117.197998723	33.8918744201	27	1491962
4514087E	CONCRETE	2004	CALLE LINDA S/S, 397' W/O C/L MESA VERDE DR	10612043	9500L	-117.198582313	33.8916164411	27	1491962
4509470E	CONCRETE	2006	MESA VERDE DR NE/S, 103' NW/O RANCHO BUEN	10612043	9500L	-117.197825642	33.8930267318	27	1491962
4509472E	CONCRETE	2006	MESA VERDE DR E/S, 230' S/O RANCHO BUENA CI	10612043	9500L	-117.197266342	33.8922136218	27	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4509473E	CONCRETE	2006	MESA VERDE DR E/S, 142' N/O BONITA HEIGHTS	10612043	9500L	-117.197357062	33.8913887135	27	1491962
4509474E	CONCRETE	2006	BONITA HEIGHTS N/S, 80' E/O MESA VERDE DR	10612043	9500L	-117.197722614	33.8910248105	27	1491962
4509475E	CONCRETE	2006	VISTA DEL MAR ST E/S, 47' N/O BONITA HEIGHTS	10612043	9500L	-117.196602490	33.8909933628	27	1491962
4509476E	CONCRETE	2006	BONITA HEIGHTS N/S, 179' E/O VISTA DEL MAR ST	10612043	9500L	-117.196116579	33.8908261315	27	1491962
4509477E	CONCRETE	2006	VISTA DEL MAR ST W/S, 247' N/O BONITA HEIGHTS	10612043	9500L	-117.196554782	33.8915534211	27	1491962
4471872E	CONCRETE	2004	MESA VERDE DR W/S, 52' S/O PUEBLO VISTA WY	10612043	9500L	-117.198401148	33.8933126558	27	1491962
4163168E	CONCRETE	1990	OCEAN DUNES S/S, 565' E/O C/L TURNBERRY, MR	10612046	9500L	-117.186923201	33.8919292073	25	1491962
4163169E	CONCRETE	1990	OCEAN DUNES N/S, 365' E/O C/L TURNBERRY, MR	10612046	9500L	-117.187478396	33.8922421468	25	1491962
4163170E	CONCRETE	1990	OCEAN DUNES S/S, 180' E/O C/L TURNBERRY, MR	10612046	9500L	-117.188199173	33.8924032001	25	1491962
4163171E	CONCRETE	1990	TURNBERRY E/S, 220' S/O C/L OCEAN DUNES, MR	10612046	9500L	-117.188937958	33.8919408266	25	1491962
4163172E	CONCRETE	1990	TURNBERRY E/S, ON C/L OCEAN DUNES EXTN'D, MR	10612046	9500L	-117.188672885	33.8926237254	25	1491962
4163173E	CONCRETE	1990	TURNBERRY E/S, 220' N/O C/L OCEAN DUNES, MR	10612046	9500L	-117.188300562	33.8929877673	25	1491962
4163174E	CONCRETE	1990	S/E C/O TURNBERRY & ENGLEWOOD, MRNO VLY	10612046	9500L	-117.188159184	33.8934459636	25	1491962
4163175E	CONCRETE	1990	N/W C/O TURNBERRY & ENGLEWOOD EXTN'D, MR	10612046	9500L	-117.188261684	33.8935510936	25	1491962
4230927E	CONCRETE	1992	TURNBERRY S/O OCEAN DUNES	10612046	9500L	-117.189393736	33.8914262651	25	1491962
4163158E	CONCRETE	1990	OLIVER W/S, 90' S/O C/L OCEAN DUNES, MRNO VLY	10612046	9500L	-117.182862869	33.8906929833	25	1491962
4163159E	CONCRETE	1990	BIELLA N/S, 235' W/O C/L OLIVER, MRNO VLY	10612046	9500L	-117.183438052	33.8905422388	25	1491962
4163160E	CONCRETE	1990	N/W C/O OLIVER & BIELLA, MRNO VLY	10612046	9500L	-117.182848134	33.8903550223	25	1491962
4163162E	CONCRETE	1990	OCEAN DUNES N/S, 265' W/O C/L OLIVER, MRNO	10612046	9500L	-117.183456501	33.8910625491	25	1491962
4163163E	CONCRETE	1990	OCEAN DUNES S/S, 455' W/O C/L OLIVER, MRNO	10612046	9500L	-117.183928744	33.8909978807	25	1491962
4163164E	CONCRETE	1990	OCEAN DUNES N/S, 660' W/O C/L OLIVER, MRNO	10612046	9500L	-117.184525543	33.8911460692	25	1491962
4163165E	CONCRETE	1990	OCEAN DUNES S/S, 835' W/O C/L OLIVER, MRNO	10612046	9500L	-117.185169623	33.8911655903	25	1491962
4163166E	CONCRETE	1990	OCEAN DUNES N/S, 1035' W/O C/L OLIVER, MRNO	10612046	9500L	-117.185394354	33.8913858863	25	1491962
4163167E	CONCRETE	1990	OCEAN DUNES N/S, 750' E/O C/L TURNBERRY, MR	10612046	9500L	-117.186265998	33.8917388107	25	1491962
4224270E	CONCRETE	1994	ENGLEWOOD ST. S/S, 50' W/O C/L TOURAINE CT.	10612046	9500L	-117.184124021	33.8931282639	25	1491962
4224271E	CONCRETE	1994	TOURAINE CT. E/S, 50' S/O C/L ENGLEWOOD ST.	10612046	9500L	-117.183900089	33.8930233711	25	1491962
4224273E	CONCRETE	1994	TOURAINE CT. W/S, 260' S/O C/L ENGLEWOOD ST.	10612046	9500L	-117.183970819	33.8925410881	25	1491962
4224274E	CONCRETE	1994	TOURAINE CT. E/S, 470' S/O C/L ENGLEWOOD ST.	10612046	9500L	-117.183945239	33.8919066012	25	1491962
4224284E	CONCRETE	1993	N/S ENGLEWOOD ST., 120' W/O PRESTANCIA CT.	10612046	9500L	-117.183569875	33.8931956859	25	1491962
4224285E	CONCRETE	1993	S/S ENGLEWOOD ST., 80' E/O PRESTANCIA CT.	10612046	9500L	-117.182690124	33.8931911784	25	1491962
4224286E	CONCRETE	1993	E/S PRESTANCIA CT., 50' S/O ENGLEWOOD ST.	10612046	9500L	-117.183019467	33.8930149371	25	1491962
4224287E	CONCRETE	1993	W/S PRESTANCIA CT., 250' S/O ENGLEWOOD ST.	10612046	9500L	-117.183069974	33.8926044458	25	1491962
4224288E	CONCRETE	1993	E/S PRESTANCIA CT. 500' S/O ENGLEWOOD ST.	10612046	9500L	-117.182994807	33.8918886168	25	1491962
4271863E	CONCRETE	1994	BIARRITZ & ENGLEWOOD, SE/COR	10612046	9500L	-117.184757331	33.8931465801	25	1491962
4271864E	CONCRETE	1994	BIARRITZ W/S 260' S/O ENGLEWOOD	10612046	9500L	-117.184900730	33.8925158372	25	1491962
4271865E	CONCRETE	1994	BIARRITZ E/S 443' S/O ENGLEWOOD	10612046	9500L	-117.184875381	33.8920017441	25	1491962
4294111E	CONCRETE	1995	ENGLEWOOD ST S/S, 50' E/O C/L VERSAILLES CT	10612046	9500L	-117.185525621	33.8931699954	25	1491962
4294112E	CONCRETE	1995	VERSAILLES CT E/S, 90' S/O C/L ENGLEWOOD	10612046	9500L	-117.185687721	33.8928561500	25	1491962
4294113E	CONCRETE	1995	VERSAILLES CT W/S, 325' S/O C/L ENGLEWOOD	10612046	9500L	-117.185856959	33.8923411141	25	1491962
4294114E	CONCRETE	1995	ENGLEWOOD ST N/S, 120' W/O C/L VERSAILLES	10612046	9500L	-117.186081831	33.8932959688	25	1491962
4294115E	CONCRETE	1995	CONNEMARA CT W/S, 230' S/O C/L ENGLEWOOD	10612046	9500L	-117.186644927	33.8926076044	25	1491962
4294116E	CONCRETE	1995	ENGLEWOOD ST S/S, 40' W/O C/L CONNEMARA CT	10612046	9500L	-117.186639792	33.8932539046	25	1491962
4294117E	CONCRETE	1995	ENGLEWOOD ST N/S, 15' E/O C/L PININA CT	10612046	9500L	-117.187190182	33.8934245466	25	1491962
4294118E	CONCRETE	1995	PININA CT E/S, 145' S/O C/L ENGLEWOOD	10612046	9500L	-117.187376689	33.8929392174	25	1491962
4508578E	CONCRETE	2003	HAMMETT CT W/S, 5' S/O FINA CT	10612046	9500L	-117.190606483	33.8937257213	27	1491962
4508579E	CONCRETE	2003	FINA CT N/S, 163' E/O HAMMETT CT	10612046	9500L	-117.189891344	33.8937210193	27	1491962
4163644E	CONCRETE	1991	S/E C/O TARLAND ST. & PERTH CT.	10612049	9500L	-117.180989498	33.8899626821	25	1491962
4163645E	CONCRETE	1991	N/W C/O TARLAND ST. & TOBERMORY ST.	10612049	9500L	-117.181474489	33.8894322769	25	1491962
4163646E	CONCRETE	1991	TOBERMORY ST. N/S, 110' W/O C/L TARLAND	10612049	9500L	-117.182071789	33.8896798400	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4163152E	CONCRETE	1990	OLIVER E/S, 140' N/O C/L ENGLEWOOD, MRNO VL	10612049	9500L	-117.182334714	33.8937055127	25	1491962
4163154E	CONCRETE	1990	OLIVER E/S, 240' S/O C/L ENGLEWOOD, MRNO VL	10612049	9500L	-117.182023376	33.8926999951	25	1491962
4163155E	CONCRETE	1990	OLIVER E/S, 450' S/O C/L ENGLEWOOD, MRNO VL	10612049	9500L	-117.181987581	33.8921763136	25	1491962
4163156E	CONCRETE	1990	OLIVER E/S, 310' N/O C/L OCEAN DUNES, MRNO V	10612049	9500L	-117.182106759	33.8915906600	25	1491962
4163157E	CONCRETE	1990	OLIVER E/S, 85' N/O C/L OCEAN DUNES, MRNO VL	10612049	9500L	-117.182489054	33.8910569893	25	1491962
4163161E	CONCRETE	1990	OLIVER N/S, 210' E/O C/L BIELLA, MRNO VLY	10612049	9500L	-117.182460150	33.8899295403	25	1491962
4163638E	CONCRETE	1991	CALLANDER ST. N/S, 130' E/O C/L TARLAND ST.	10612049	9500L	-117.179551771	33.8920339609	25	1491962
4163639E	CONCRETE	1991	S/E C/O TARLAND ST. & CALLANDER ST.	10612049	9500L	-117.180113610	33.8919852345	25	1491962
4163640E	CONCRETE	1991	S/W C/O TARLAND ST. & WISHAW CT.	10612049	9500L	-117.180356536	33.8912630110	25	1491962
4163641E	CONCRETE	1991	WISHAW CT. S/S, 110' E/O C/L TARLAND ST.	10612049	9500L	-117.179831148	33.8913012252	25	1491962
4163642E	CONCRETE	1991	TARLAND ST. E/S, 240' S/O C/L WISHAW CT.	10612049	9500L	-117.180420062	33.8907569400	25	1491962
4163643E	CONCRETE	1991	TARLAND ST. W/S, 95' N/O C/L PERTH CT.	10612049	9500L	-117.180909650	33.8902537440	25	1491962
4112018E	CONCRETE	1989	W/S VIA DEL LAGO, 1689' S/O IRIS	10612049	22000L	-117.177668373	33.8909313102	29	1491960
4112019E	CONCRETE	1989	W/S VIA DEL LAGO, 1499' S/O IRIS	10612049	22000L	-117.177982801	33.8912979179	29	1491960
4112020E	CONCRETE	1989	W/S VIA DEL LAGO, 1309' S/O IRIS	10612049	22000L	-117.178240815	33.8916624935	29	1491960
4112021E	CONCRETE	1989	E/S VIA DEL LAGO, 917' S/O IRIS	10612049	22000L	-117.178371184	33.8921573738	29	1491960
4112022E	CONCRETE	1989	W/S VIA DEL LAGO, 1119' S/O IRIS	10612049	22000L	-117.178508467	33.8921556315	29	1491960
4112023E	CONCRETE	1989	W/S VIA DEL LAGO, 919' S/O IRIS	10612049	22000L	-117.178682155	33.8926681433	29	1491960
4112024E	CONCRETE	1989	E/S VIA DEL LAGO, 917' S/O IRIS	10612049	22000L	-117.178562293	33.8926965469	29	1491960
4112025E	CONCRETE	1989	W/S VIA DEL LAGO, 719' S/O IRIS	10612049	22000L	-117.178799108	33.8933024867	29	1491960
4112026E	CONCRETE	1989	W/S VIA DEL LAGO, 519' S/O IRIS	10612049	22000L	-117.178794466	33.8938284955	29	1491960
4112027E	CONCRETE	1989	E/S VIA DEL LAGO, 708' S/O IRIS	10612049	22000L	-117.178632732	33.8933676248	29	1491960
4112028E	CONCRETE	1989	E/S VIA DEL LAGO, 499' S/O IRIS	10612049	22000L	-117.178621910	33.8939058932	29	1491960
4207207E	CONCRETE	1991	W/S VIA DEL LAGO, 500' S/O IRIS, MOR VALLEY	10612049	22000L	-117.177190146	33.8905569725	29	1491960
4163153E	CONCRETE	1990	S/W C/O OLIVER & ENGLEWOOD, MRNO VLY	10612049	9500L	-117.182405366	33.8932710805	25	1491962
2351839E	CONCRETE	1987	PUDDINGSTONE DR S/S, 168' W/O TIFFIN CT	10632028	9500L	-117.242373891	33.8962024599	25	1491962
2351840E	CONCRETE	1987	PUDDINGSTONE DR S/S, 10' W/O FUGATE CT	10632028	9500L	-117.242862693	33.8962192492	25	1491962
2351841E	CONCRETE	1987	FUGATE CT E/S, 17' N/O CREEKSTONE DR	10632028	9500L	-117.242766979	33.8966688595	25	1491962
2351842E	CONCRETE	1987	FUGATE CT N/S, 165' N/O CREEKSTONE DR	10632028	9500L	-117.242845328	33.8973052565	25	1491962
4005339E	CONCRETE	1987	W/END OF STONEBRIDGE	10632028	9500L	-117.242954495	33.8977269898	25	1491962
2351835E	CONCRETE	1987	GENTIAN AVE N/S, 255' E/O HEACOCK ST	10632028	22000L	-117.242720227	33.8956293722	29	1491960
2351844E	CONCRETE	1987	HEACOCK ST E/S, 65' N/O CREEKSTONE DR	10632028	22000L	-117.243544949	33.8967125930	29	1491960
2351845E	CONCRETE	1987	HEACOCK ST E/S, 95' N/O GENTIAN AVE	10632028	22000L	-117.243516783	33.8958551978	29	1491960
4005340E	CONCRETE	1987	E/S HEACOCK, 320' S/O POPPYSTONE	10632028	22000L	-117.243530336	33.8978117403	29	1491960
2327343E	CONCRETE	1957	NADIA ST E/S S/O HILDA ST	10632031	9500L	-117.238676725	33.8930015063	30	1491962
2327393E	CONCRETE	1986	NADIA ST, W/S, 105' S/O ROBIE CT	10632031	9500L	-117.238802576	33.8938807200	25	1491962
2327394E	CONCRETE	1986	NADIA ST, W/S, COR/O HILDA CT	10632031	9500L	-117.238799909	33.8933408105	25	1491962
2327395E	CONCRETE	1986	HILDA CT, N/S, 120' E/O NADIA ST	10632031	9500L	-117.238218088	33.8933275578	25	1491962
2327396E	CONCRETE	1986	HILDA CT, S/S, 320' E/O NADIA ST	10632031	9500L	-117.237520463	33.8932461384	25	1491962
2343936E	CONCRETE	1985	LIPARI DR, E/S, COR/O LIOLIOS WY	10632031	9500L	-117.236618259	33.8933081859	25	1491962
2343937E	CONCRETE	1985	LIOLIOS WY, S/S, 165' E/O LIPARI WY	10632031	9500L	-117.236304408	33.8931961536	25	1491962
2343938E	CONCRETE	1985	LIOLIOS WY, N/S, 355' E/O LIPARI DR	10632031	9500L	-117.235433699	33.8933123876	25	1491962
2269743E	CONCRETE	1984	HERSA AV W/S 200'S/O DYNA AV	10632031	9500L	-117.238834286	33.8965874287	25	1491962
2297033E	CONCRETE	1984	CAROLEE AV N/S 240' W/O BANDY CT	10632031	9500L	-117.236406545	33.8963493268	25	1491962
2297034E	CONCRETE	1984	CAROLEE AV S/S200' W/O JULIE AV	10632031	9500L	-117.237013068	33.8962358656	25	1491962
2297035E	CONCRETE	1984	CAROLEE AV N/S 30'E/O JULIE AV	10632031	9500L	-117.237681123	33.8963180683	25	1491962
2297036E	CONCRETE	1984	JULIE AVE W/S 70' S/O CAROLEE AV	10632031	9500L	-117.237864506	33.8960269758	25	1491962
2297037E	CONCRETE	1984	JULIE AV W/S 170' S/O DYNA PL	10632031	9500L	-117.237853893	33.8966549649	25	1491962
2297038E	CONCRETE	1984	JULY AV W/S 30' N/O DYNA PL	10632031	9500L	-117.237844339	33.8971966358	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2297039E	CONCRETE	1984	E/S KITCHING 90 S/O SUNNYMEAD BLV	10632031	9500L	-117.236989918	33.8970669374	30	1491962
2297040E	CONCRETE	1984	S/S DYNA PL 100' E/O JULIE AVE	10632031	9500L	-117.237469602	33.8970304074	30	1491962
2297041E	CONCRETE	1984	E/S KITCHING 90 N/O FIR	10632031	9500L	-117.238048600	33.8970382620	30	1491962
2297042E	CONCRETE	1984	THERESA AV W/S 340' S/O DYNA PL	10632031	9500L	-117.238829098	33.8960611439	25	1491962
2297043E	CONCRETE	1984	THERESA AV W/S 200' S/O DYNA PL	10632031	9500L	-117.238837942	33.8970822918	25	1491962
2299059E	CONCRETE	1984	THERESA AV W/S 410 N/O DYNA PL	10632031	9500L	-117.238836759	33.8976814151	25	1491962
2299060E	CONCRETE	1984	THERESA AV W/S 240 S/O STACEY AV	10632031	9500L	-117.238829742	33.8982533566	25	1491962
2299063E	CONCRETE	1984	KATRINA AV S/S 100 E/O JULIE AV	10632031	9500L	-117.237323000	33.8979002689	25	1491962
2299064E	CONCRETE	1984	KATRINA AV S/S 50 W/O GABRIEL AV	10632031	9500L	-117.236736956	33.8979473354	25	1491962
2299065E	CONCRETE	1984	GABRIEL AV E/S 140 N/O KATRINA AV	10632031	9500L	-117.236595733	33.8983513965	25	1491962
2327390E	CONCRETE	1986	ROBIE CT, S/S 270'E/O NADIA ST	10632031	9500L	-117.237698776	33.8941082002	25	1491962
2327391E	CONCRETE	1986	ROBIE CT, N/S, 105' E/O NADIA ST	10632031	9500L	-117.238353763	33.8942005607	25	1491962
2327392E	CONCRETE	1986	NADIA ST, W/S, COR/O ROBIE CT	10632031	9500L	-117.238751982	33.8941768173	25	1491962
2343907E	CONCRETE	1985	ROBIE CT, N/S, 145' W/O LIPARI DR	10632031	9500L	-117.237146177	33.8942085473	25	1491962
2343908E	CONCRETE	1985	ROBIE CT, S/S COR/O LIPARI DR	10632031	9500L	-117.236604364	33.8940849941	25	1491962
2343934E	CONCRETE	1985	ROBIE CT, N/S, 115' E/O LIPARI DR	10632031	9500L	-117.236245963	33.8942038633	25	1491962
2343935E	CONCRETE	1985	ROBIE CT, S/S, 315' E/O LIPARI DR	10632031	9500L	-117.235737077	33.8941334953	25	1491962
2343942E	CONCRETE	1985	GENTIAN AVE, S/S, 210' E/O MEGAN LN	10632031	9500L	-117.237481916	33.8955168581	29	1491962
2343944E	CONCRETE	1985	MEGAN LN, W/S, COR/O GENTIAN AVE	10632031	9500L	-117.238260403	33.8954840938	25	1491962
2343945E	CONCRETE	1985	ELECTRA CT, N/S, 165' W/O MEGAN LN	10632031	9500L	-117.238644093	33.8950509354	25	1491962
2343946E	CONCRETE	1985	ELECTRA CT, S/S, COR/O MEGAN LN	10632031	9500L	-117.238156272	33.8949752459	25	1491962
2343947E	CONCRETE	1985	ELECTRA CT, S/S, 245' W/O LIPARI DR	10632031	9500L	-117.237461903	33.8949728847	25	1491962
2343948E	CONCRETE	1985	ELECTRA CT, N/S, COR/O LIPARI DR	10632031	9500L	-117.236661961	33.8950372835	25	1491962
2351836E	CONCRETE	1987	PUDDINGSTONE DR S/S, 43' E/O TIFFIN CT	10632031	9500L	-117.241717402	33.8962151463	25	1491962
2351837E	CONCRETE	1987	TIFFIN CT W/S, 125' N/O PUDDINGSTONE DR	10632031	9500L	-117.241935159	33.8965712605	25	1491962
2351838E	CONCRETE	1987	TIFFIN CT E/S, 295' N/O PUDDINGSTONE DR	10632031	9500L	-117.241766603	33.8971223459	25	1491962
2352182E	CONCRETE	1987	PUDDINGSTONE DR N/S, 45' W/O GEMSTONE CT	10632031	9500L	-117.241011812	33.8962863811	25	1491962
2352183E	CONCRETE	1987	GEMSTONE CT E/S, 120' N/O PUDDINGSTONE	10632031	9500L	-117.240690748	33.8965768276	25	1491962
2352184E	CONCRETE	1987	GEMSTONE CT W/S, 280' N/O PUDDINGSTONE	10632031	9500L	-117.240936456	33.8968589324	25	1491962
2352185E	CONCRETE	1987	PUDDINGSTONE DR S/S, 120' W/O CANYONSTONE	10632031	9500L	-117.240346498	33.8961675294	25	1491962
2352186E	CONCRETE	1987	CANYONSTONE DR E/S, 25' S/O PUDDINGSTONE	10632031	9500L	-117.239758817	33.8961670889	25	1491962
2352187E	CONCRETE	1987	CANYONSTONE DR W/S, 160' N/O PUDDINGSTONE	10632031	9500L	-117.239936663	33.8967461066	25	1491962
2352188E	CONCRETE	1987	CANYONSTONE DR E/S, 360' N/O PUDDINGSTONE	10632031	9500L	-117.239763443	33.8970162484	25	1491962
4005591E	CONCRETE	1987	W/S CANYONSTONE, 45' S/O STONEBRIDGE	10632031	9500L	-117.239859045	33.8975822125	25	1491962
4005592E	CONCRETE	1987	E/S CANYONSTONE, 140' N/O STONEBRIDGE	10632031	9500L	-117.239736488	33.8981292536	25	1491962
4005595E	CONCRETE	1987	S/S STONEBRIDGE, 210' N/O CANYONSTONE	10632031	9500L	-117.240623725	33.8976909615	25	1491962
4005596E	CONCRETE	1987	N/S STONEBRIDGE, 210' E/O BROOKSTONE	10632031	9500L	-117.241078018	33.8978253362	25	1491962
4005597E	CONCRETE	1987	S/S STONEBRIDGE, C/L OF BROOKSTONE	10632031	9500L	-117.241767637	33.8976846592	25	1491962
4005599E	CONCRETE	1987	N/S STONEBRIDGE, 160' FROM W/END OF ST.	10632031	9500L	-117.242123584	33.8977763807	25	1491962
4232046E	CONCRETE	1985	LIPARI DR W/S 100'S/O ELECTRA	10632031	9500L	-117.236723401	33.8947072368	25	1491962
2297029E	CONCRETE	1984	CAROLEE AV N/S 80W/O INDIAN ST	10632031	9500L	-117.235293182	33.8965789556	25	1491962
2297030E	CONCRETE	1984	BANDY CT E/S 80' S/O CAROLEE	10632031	9500L	-117.235602364	33.8962508056	25	1491962
2297031E	CONCRETE	1984	BANY CT E/S 150' N/O CAROLEE	10632031	9500L	-117.235573435	33.8970282493	25	1491962
2297032E	CONCRETE	1984	CAROLEE AV S/S 110' W/O BANDY AV	10632031	9500L	-117.235922271	33.8963736631	25	1491962
2299066E	CONCRETE	1984	KATRINA AV S/S 135 E/O GABRIEL ST	10632031	9500L	-117.236253380	33.8979024703	25	1491962
2299067E	CONCRETE	1984	KATRINA AV S/S 130 W/O INDIAN ST	10632031	9500L	-117.235374179	33.8978683224	25	1491962
2339675E	CONCRETE	1984	FAY AVE N/S COR/O HERNE CT	10632031	9500L	-117.233735454	33.8983699972	25	1491962
2339676E	CONCRETE	1984	HERNE CT E/S 295 S/O FAY AVE	10632031	9500L	-117.234290093	33.8978075865	25	1491962
2339677E	CONCRETE	1984	HERNE CT W/S 150 S/O FAY AVE	10632031	9500L	-117.234276131	33.8981940476	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2339679E	CONCRETE	1984	FAY AVE S/S 145 W/O OAKHAM CT	10632031	9500L	-117.233152516	33.8978065486	25	1491962
2339680E	CONCRETE	1984	FAY AVE S/S COR/O OAKHAM CT	10632031	9500L	-117.232502470	33.8977316356	25	1491962
2339684E	CONCRETE	1984	OAKHAM CT E/S 70 N/O FAY AVE	10632031	9500L	-117.232507284	33.8979760105	25	1491962
2339685E	CONCRETE	1984	OAKHAM CT W/S COR/O TALBOT CT	10632031	9500L	-117.232630660	33.8981811065	25	1491962
4232011E	CONCRETE	1994	FAY AVE S/S, 160' E/O HERNE CT., MORENO VALL	10632031	9500L	-117.233590004	33.8980194364	25	1491962
2269746E	CONCRETE	1984	GENTIAN AV N/S 580' W/O INDIAN ST	10632031	22000L	-117.236843007	33.8955829007	30	1491960
2269747E	CONCRETE	1984	GENTIAN AV N/S 980' W/O INDIAN ST	10632031	22000L	-117.238159521	33.8955932027	30	1491960
2343941E	CONCRETE	1985	GENTIAN AVE, S/S, 155' W/O MEGAN LN	10632031	22000L	-117.238834749	33.8955061380	29	1491960
2351833E	CONCRETE	1987	GENTIAN AVE N/S, 65' W/O CANYONSTONE DR	10632031	22000L	-117.240037411	33.8956198292	29	1491960
2351834E	CONCRETE	1987	GENTIAN AVE N/S, 450' W/O CANYONSTONE DR	10632031	22000L	-117.241553470	33.8956812061	29	1491960
2269742E	CONCRETE	1984	INDIAN ST W/S 160' N/O CAROLLE	10632031	22000L	-117.234958168	33.8970123183	30	1491960
2269744E	CONCRETE	1984	INDIAN ST W/S 50' N/O GENTIAN	10632031	22000L	-117.234971691	33.8957366344	30	1491960
2269745E	CONCRETE	1984	GENTIAN AV W/S 180' W/O INDIAN ST	10632031	22000L	-117.235504134	33.8956070799	30	1491960
2309450E	CONCRETE	1984	N/E CORNER/O KATRINA AND INDIAN	10632031	22000L	-117.234854393	33.8979969324	25	1491960
2339673E	CONCRETE	1984	INDIAN ST E/S 490 S/O FAY AVE	10632031	22000L	-117.234861227	33.8974429753	29	1491960
2343943E	CONCRETE	1985	GENTIAN AVE, S/S, 360' W/O INDIAN ST	10632031	22000L	-117.236047661	33.8955099363	29	1491960
2343949E	CONCRETE	1985	ELECTRA CT, S/S, 200' E/O LIPARI DR	10632031	22000L	-117.235968098	33.8949739366	25	1491960
2343950E	CONCRETE	1985	ELECTRA CT, N/S, 350' E/O LIPARI DR	10632031	22000L	-117.235625884	33.8950581886	25	1491960
4532880E	CONCRETE	2007	JULIE AV W/S 40 S/O KATRINA AV	10632031	9500L	-117.237870410	33.8978653973	27	1491962
1919650E	WOOD	1970	GENTIAN AVE S/S 1140 E/O PERRIS BLVD	10632034	9500L	-117.222678513	33.8955438727	30	1491962
1919652E	WOOD	1970	GENTIAN AVE N/S 960 E/O PERRIS BLVD	10632034	9500L	-117.223262752	33.8956300115	30	1491962
1919653E	WOOD	1970	GENTIAN AVE S/S 780 E/O PERRIS BLVD	10632034	9500L	-117.223857589	33.8955514256	30	1491962
1919654E	WOOD	1970	GENTIAN AVE N/S 600 E/O PERRIS BLVD	10632034	9500L	-117.224400260	33.8956843559	30	1491962
1919655E	WOOD	1970	S/E CNR GENTIAN AVE AND SHEILA ST	10632034	9500L	-117.225033582	33.8955500292	30	1491962
1919656E	WOOD	1970	GENTIAN AVE N/S 150 E/O PERRIS BLVD	10632034	9500L	-117.225790060	33.8956308519	30	1491962
1919657E	WOOD	1970	SHEILA ST E/S 150 N/O GENTIAN AVE	10632034	9500L	-117.225023215	33.8959900222	30	1491962
1919658E	WOOD	1970	SHEILA ST W/S 305 N/O GENTIAN AVE	10632034	9500L	-117.225208766	33.8963733006	30	1491962
1919659E	WOOD	1970	SHEILA ST E/S 150 S/O YOLANDA AVE	10632034	9500L	-117.225067946	33.8967453872	30	1491962
1919660E	WOOD	1970	JUANITA AVE N/S 150 E/O SHEILA ST	10632034	9500L	-117.224615115	33.8964181390	30	1491962
1919661E	WOOD	1970	JUANITA AVE S/S 335 E/O SHEILA ST	10632034	9500L	-117.224037863	33.8962807500	30	1491962
1919662E	WOOD	1970	JUANITA AVE N/S 510 E/O SHEILA ST	10632034	9500L	-117.223350503	33.8964042745	30	1491962
1919663E	WOOD	1970	JUANITA AVE S/S 700 E/O SHEILA ST	10632034	9500L	-117.222811990	33.8962820550	30	1491962
4476448E	WOOD	2003	YOLANDA AVE N/S 725 E/O SHEILA ST	10632034	9500L	-117.222674074	33.8972092180	30	1491962
1919669E	WOOD	1970	YOLANDA AVE S/S 520 E/O SHEILA ST	10632034	9500L	-117.223288940	33.8970862649	30	1491962
1919670E	WOOD	1970	YOLANDA AVE N/S 330 E/O SHEILA ST	10632034	9500L	-117.224002225	33.8972181128	30	1491962
1919671E	WOOD	1970	YOLANDA AVE S/S 150 E/O SHEILA ST	10632034	9500L	-117.224663164	33.8970893014	30	1491962
1919673E	WOOD	1970	SHEILA ST W/S 170 S/O FILAREE AVE	10632034	9500L	-117.225207606	33.8971510024	30	1491962
1919674E	WOOD	1970	SHEILA ST W/S 290 S/O FILAREE AVE	10632034	9500L	-117.225252691	33.8979393377	30	1491962
1919675E	WOOD	1970	FAY AVE N/S 150 E/O SHEILA ST	10632034	9500L	-117.224732675	33.8979983594	30	1491962
1919676E	WOOD	1970	FAY AVE S/S 330 E/O SHEILA ST	10632034	9500L	-117.224160702	33.8978324343	30	1491962
1919677E	WOOD	1970	FAY AVE N/S 510 E/O SHEILA ST	10632034	9500L	-117.223532992	33.8979857204	30	1491962
1919678E	WOOD	1970	FAY AVE S/S 700 S/O SHEILA ST	10632034	9500L	-117.222875951	33.8978754181	30	1491962
1919681E	WOOD	1970	SHEILA ST E/S 150 S/O FILAREE AVE	10632034	9500L	-117.225072885	33.8983611930	30	1491962
2293536E	CONCRETE	1984	S/S FAY C/O CAMP CT	10632034	9500L	-117.227935354	33.8977612507	25	1491962
2293537E	CONCRETE	1984	E/S CAMP CT 160 N/O FAY	10632034	9500L	-117.227799292	33.8981816675	25	1491962
2293538E	CONCRETE	1984	S/S FAY 140 W/O BLACK WIDOW	10632034	9500L	-117.227323374	33.8977381037	25	1491962
2293539E	CONCRETE	1984	E/S BLACK SHADOW C/O FAY	10632034	9500L	-117.226828490	33.8978010032	25	1491962
2293540E	CONCRETE	1984	E/S BLACK SHADOW 175 N/O FAY	10632034	9500L	-117.226829023	33.8981902244	25	1491962
2297045E	CONCRETE	1984	S/S FAY 40 W/O WITCZAK	10632034	9500L	-117.230266610	33.8977462960	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2297046E	CONCRETE	1984	E/S WITCAK CT, N/O FAY AVE	10632034	9500L	-117.229957672	33.8983070834	25	1491962
2297047E	CONCRETE	1984	S/S FAY 130 E/O WITCAK	10632034	9500L	-117.229591880	33.8977425571	25	1491962
2297048E	CONCRETE	1984	S/S FAY C/O SWARENS	10632034	9500L	-117.228968047	33.8977553276	25	1491962
2297049E	CONCRETE	1984	E/S SWARENS CT 180 N/O FAY	10632034	9500L	-117.228884149	33.8982970441	25	1491962
2297050E	CONCRETE	1984	N/S FAY 140 W/O CAMP CT	10632034	9500L	-117.228379567	33.8978382871	25	1491962
2339681E	CONCRETE	1984	FAY AVE N/S 165 E/O OAKHAM CT	10632034	9500L	-117.231908926	33.8977976510	25	1491962
2339682E	CONCRETE	1984	FAY AVE N/S 570 E/O OAKHAM CT	10632034	9500L	-117.230810746	33.8977688001	25	1491962
2339683E	CONCRETE	1984	FAY AVE S/S 370 E/O OAKHAM CT	10632034	9500L	-117.231429906	33.8976968728	25	1491962
2339686E	CONCRETE	1984	TALBOT CT N/S 310 E/O OAKHAM CT	10632034	9500L	-117.231746555	33.8984719617	25	1491962
2339687E	CONCRETE	1984	TALBOT CT 440 E/O OAKHAM CT	10632034	9500L	-117.231275295	33.8984298600	25	1491962
2339688E	CONCRETE	1984	TALBOT CT S/S 95 E/O OAKHAM CT	10632034	9500L	-117.232284585	33.8983753952	25	1491962
2315361E	CONCRETE	1985	SHEILA ST, W/S, 120' N/O WENDY WY	10632034	9500L	-117.225187318	33.8952517467	25	1491962
2315362E	CONCRETE	1985	WENDY WY, N/W COR/O SHEILA ST	10632034	9500L	-117.225194171	33.8949353618	25	1491962
2315363E	CONCRETE	1985	WENDY WY, S/S, CUL-DE-SAC W/O SHEILA ST	10632034	9500L	-117.225925317	33.8948985507	25	1491962
2315364E	CONCRETE	1985	SHEILA ST, E/S, 90' N/O DANA LN	10632034	9500L	-117.225061512	33.8945328972	25	1491962
2315365E	CONCRETE	1985	DANA LANE, N/S, CUL-DE-SAC E/O SHEILA ST	10632034	9500L	-117.225950255	33.8942327943	25	1491962
2315366E	CONCRETE	1985	DANA LANE, S/S, COR/O SHEILA ST	10632034	9500L	-117.225142953	33.8941938634	25	1491962
2315367E	CONCRETE	1985	DANA LANE, N/S, 210' E/O SHEILA ST	10632034	9500L	-117.224033546	33.8942782877	25	1491962
2315368E	CONCRETE	1985	DANA LANE, S/S, LOT 56	10632034	9500L	-117.222945257	33.8941938241	25	1491962
2315369E	CONCRETE	1985	DANA LANE, N/S, LOT 46	10632034	9500L	-117.224542791	33.8943045695	25	1491962
2315370E	CONCRETE	1985	WENDY WY, S/S, 160' E/O SHEILA ST	10632034	9500L	-117.224608544	33.8948584951	25	1491962
2315371E	CONCRETE	1985	WENDY WAY, N/S, LOT 8	10632034	9500L	-117.223981276	33.8949492450	25	1491962
2315372E	CONCRETE	1985	WENDY WAY, S/S, LOT 20	10632034	9500L	-117.223288122	33.8948264264	25	1491962
2315373E	CONCRETE	1986	WENDY WY, N/S, 380' W/O PATRICIA ST	10632034	9500L	-117.222591116	33.8949386134	25	1491962
4030188E	CONCRETE	1988	PERRIS BL E/S, 592' N/O SANTIAGO DR	10632034	22000L	-117.226182678	33.8935696835	29	1491960
2315360E	CONCRETE	1985	PERRIS BLVD, E/S, 400' S/O GENTIAN	10632034	22000L	-117.226177671	33.8945495898	29	1491960
4317205E	CONCRETE	1996	ALLEY WAY W/S 160' N/O GENTIAN AVE	10632034	9500L	-117.225677650	33.8964823945	25	1491962
4317206E	CONCRETE	1996	ALLEY WAY W/S 370' N/O GENTIAN AVE	10632034	9500L	-117.225698489	33.8967269242	25	1491962
4317207E	CONCRETE	1996	ALLEY WAY W/S 484' N/O GENTIAN AVENUE	10632034	9500L	-117.225655188	33.8974263719	25	1491962
1876936E	WOOD	1969	25375 JUANITA ST, SUNNYMEAD	10632037	9500L	-117.219797429	33.8963466954	30	1491962
1895367E	WOOD	1969	25340 JUANITA ST W/O KITCHING	10632037	9500L	-117.220250085	33.8964531065	30	1491962
1919609E	WOOD	1970	PATRICIA ST SS 150 SO FILAREE ST	10632037	9500L	-117.221261255	33.8984969608	30	1491962
1919616E	WOOD	1970	KITCHING ST W/S 140 S/O FILAREE ST	10632037	9500L	-117.217740000	33.8985303445	30	1491962
1919617E	WOOD	1970	FAY ST NS 1050 E/O PATRICIA ST	10632037	9500L	-117.217976377	33.8979436746	30	1491962
1919618E	WOOD	1970	FAY ST SS 870 E/O PATRICIA ST	10632037	9500L	-117.218499085	33.8978297036	30	1491962
1919619E	WOOD	1970	FAY ST N/S 690 E/O PATRICIA ST	10632037	9500L	-117.219021191	33.8979575625	30	1491962
1919620E	WOOD	1970	FAY AVE S/S 510 E/O PATRICIA ST	10632037	9500L	-117.219626273	33.8978429485	30	1491962
1919621E	WOOD	1970	FAY ST N/S 330 E/O PATRICIA ST	10632037	9500L	-117.220168162	33.8979706555	30	1491962
1919622E	WOOD	1970	FAY ST S/S 150 E/O PATRICIA ST	10632037	9500L	-117.220901994	33.8978770190	30	1491962
1919623E	WOOD	1970	PATRICIA ST E/S 140 S/O FAY AVE	10632037	9500L	-117.221191458	33.8975340202	30	1491962
1919624E	WOOD	1970	YOLANDA ST 150 E/O PATRICIA ST	10632037	9500L	-117.220721843	33.8970897314	30	1491962
1919625E	WOOD	1970	YOLANDA AVE N/S 330 E/O PATRICIA ST	10632037	9500L	-117.220014523	33.8971968985	30	1491962
1919626E	WOOD	1970	YOLANDA AVE S/S 510 E/O PATRICIA ST	10632037	9500L	-117.219475758	33.8970526809	30	1491962
1919627E	WOOD	1970	YOLANDA AVE NS 690 E/O PATRICIA ST	10632037	9500L	-117.218916847	33.8971696830	30	1491962
1919628E	WOOD	1970	YOLANDA AVE S/S 870 E/O PATRICIA ST	10632037	9500L	-117.218421161	33.8970471174	30	1491962
1919629E	WOOD	1970	KITCHING ST E/S 150 S/O FAY ST	10632037	9500L	-117.217715078	33.8975609737	30	1491962
1919630E	WOOD	1970	YOLANDA AVE N/S 1050 E/O PATRICIA	10632037	9500L	-117.217789657	33.8971564316	30	1491962
1919631E	WOOD	1970	KITCHING ST W/S 150 S/O YOLANDA	10632037	9500L	-117.217696018	33.8967367118	30	1491962
1919632E	WOOD	1970	JUANITA AVE N/S 1050 E/O PATRICIA ST	10632037	9500L	-117.217933280	33.8964408361	30	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
1919633E	WOOD	1970	JUANITA AVE S/S 870 E/O PATRICIA ST	10632037	9500L	-117.218597951	33.8963504929	30	1491962
1919634E	WOOD	1970	JUANITA AVE N/S 690 E/O PATRICIA ST	10632037	9500L	-117.219222011	33.8964610723	30	1491962
1919637E	WOOD	1970	JUANITA AVE S/S 150 E/O PATRICIA ST	10632037	9500L	-117.220868337	33.8963383793	30	1491962
1919638E	WOOD	1970	PATRICIA ST E/S 150 S/O YOLANDA AVE	10632037	9500L	-117.221248705	33.8967586241	30	1491962
1919639E	WOOD	1970	PATRICIA ST W/S 320 S/O YOLANDA AVE	10632037	9500L	-117.221359990	33.8963950184	30	1491962
1919640E	WOOD	1970	PATRICIA ST E/S 165 N/O GENTIAN AVE	10632037	9500L	-117.221220622	33.8960141221	30	1491962
1919641E	WOOD	1970	N/E CNR. PATRICIA ST AND GENTIAN AVE	10632037	9500L	-117.221160552	33.8956518537	30	1491962
1919642E	WOOD	1970	GENTIAN AVE N/S 175 E/O PATRICIA ST	10632037	9500L	-117.220372722	33.8956304869	30	1491962
1919643E	WOOD	1970	GENTIAN AVE N/S 760 W/O KITCHING ST	10632037	9500L	-117.219723435	33.8956217879	30	1491962
1919644E	WOOD	1970	GENTIAN AVE N/S 580 W/O KITCHING ST	10632037	9500L	-117.219133646	33.8956291035	30	1491962
1919645E	WOOD	1970	GENTIAN AVE N/S 400 W/O KITCHING ST	10632037	9500L	-117.218698700	33.8956324738	30	1491962
1919646E	WOOD	1970	GENTIAN AVE N/S 220 W/O KITCHING AVE	10632037	9500L	-117.218200959	33.8956198483	30	1491962
1919647E	WOOD	1970	KITCHING ST E/S 150 N/O GENTIAN AVE	10632037	9500L	-117.217703775	33.8959534540	30	1491962
1919649E	WOOD	1970	GENTIAN AVE N/S 1320 E/O PERRIS BLVD	10632037	9500L	-117.221803212	33.8956578542	30	1491962
1919651E	WOOD	1970	ELEANOR ST E/S 150 N/O GENTIAN AVE	10632037	9500L	-117.222241419	33.8959457364	30	1491962
1919664E	WOOD	1970	ELEANOR ST E/S 330 N/O GENTIAN AVE	10632037	9500L	-117.222265737	33.8963522588	30	1491962
1919665E	WOOD	1970	PATRICIA ST W/S 580 N/O GENTIAN AVE	10632037	9500L	-117.221351794	33.8971370498	30	1491962
431811E	WOOD	1998	ELEANORE ST E/S N/O GENTIAN	10632037	9500L	-117.222261235	33.8967374030	30	1491962
1919667E	WOOD	1970	ELEANOR ST E/S 725 N/O GENTIAN AVE	10632037	9500L	-117.222272337	33.8975311071	30	1491962
1919679E	WOOD	1970	FAY AVE N/S 850 E/O SHEILA ST	10632037	9500L	-117.222359534	33.8979618774	30	1491962
1919680E	WOOD	1970	PATRICIA ST W/S 290 S/O FILAREE AVE	10632037	9500L	-117.221410319	33.8979500205	30	1491962
2315380E	CONCRETE	1986	PATRICIA ST, W/S, 220' S/O DANA LN	10632037	9500L	-117.221341484	33.8935922322	25	1491962
4062010E	CONCRETE	1989	E/S CARMEL VERDE, 20' N/O CAMPANILLA	10632037	9500L	-117.216621780	33.8942723314	25	1491962
4062017E	CONCRETE	1989	E/S CARMEL VERDE, 50' N/O FORTUNA DEL SUR	10632037	9500L	-117.216627613	33.8937364918	25	1491962
4063528E	CONCRETE	1989	E/S KITCHING, 454' S/O GENTIAN	10632037	9500L	-117.217174284	33.8943898023	25	1491962
4062016E	CONCRETE	1989	E/S GUAJOME, 300' S/O CATALEJO	10632037	9500L	-117.214201045	33.8942987794	25	1491962
4062018E	CONCRETE	1989	S/S FORTUNA DEL SUR, 10' E/O GORDON	10632037	9500L	-117.215832925	33.8935696540	25	1491962
4062019E	CONCRETE	1989	E/S GRANADA, 30' N/O FORTUNA DEL SUR	10632037	9500L	-117.215004511	33.8936634274	25	1491962
4062020E	CONCRETE	1989	E/S GRANADA, 180' N/O FORTUNA DEL SUR	10632037	9500L	-117.215004230	33.8941080149	25	1491962
4062021E	CONCRETE	1989	W/S GORDON, 200' N/O FORTUNA DEL SUR	10632037	9500L	-117.215956234	33.8940797494	25	1491962
4065646E	CONCRETE	1992	GUAJOME RD. E/S, 50' S/O C/L FORTUNA DEL SUR	10632037	9500L	-117.214197715	33.8935116088	25	1491962
4112976E	CONCRETE	1990	E/S JACARA, 260' S/O JUMANO	10632037	9500L	-117.213300085	33.8943457317	25	1491962
4112977E	CONCRETE	1990	W/S JACARA, 230' N/O GUAJOME	10632037	9500L	-117.213480892	33.8936709569	25	1491962
4112979E	CONCRETE	1990	E/S ISLETA, 40' S/O KARISA	10632037	9500L	-117.212514125	33.8942721721	25	1491962
4112980E	CONCRETE	1990	N/S LA BARCA, 40' E/O ISLETA	10632037	9500L	-117.212503522	33.8937856232	25	1491962
2315374E	CONCRETE	1986	WENDY WY, S/S, 155' W/O PATRICIA ST	10632037	9500L	-117.221756321	33.8948587766	25	1491962
2315375E	CONCRETE	1986	DANA LN, S/S, 305' W/O PATRICIA ST	10632037	9500L	-117.222219659	33.8941628535	25	1491962
2315376E	CONCRETE	1986	DANA LN, N/S, 155' W/O PATRICIA ST	10632037	9500L	-117.221665088	33.8942416631	25	1491962
2315378E	CONCRETE	1986	PATRICIA ST, E/S, COR/O WENDY WY	10632037	9500L	-117.221171314	33.8948531831	25	1491962
2357763E	CONCRETE	1986	SANTIAGO DR, S/E COR/O NAN AVE	10632037	9500L	-117.216645809	33.8976369652	25	1491962
2358482E	CONCRETE	1987	RANCHO TIERRA S/S, 10' W/O VIA LORCA	10632037	9500L	-117.216694710	33.8961052518	25	1491962
2358483E	CONCRETE	1987	VIA LORCA DR W/S, 165' S/O ENCANTADOR RD	10632037	9500L	-117.216740559	33.8964940921	25	1491962
2358487E	CONCRETE	1987	ENCANTADOR RD N/S, COR/O VIA LORCA DR	10632037	9500L	-117.216689137	33.8969202783	25	1491962
2358494E	CONCRETE	1987	VIA ALICIA DR E/S, 140' S/O VISTA FAMOSO	10632037	9500L	-117.216638587	33.8986064212	25	1491962
4062011E	CONCRETE	1989	E/S CARMEL VERDE, 50' S/O CATALEJO	10632037	9500L	-117.216618034	33.8949602775	25	1491962
4062999E	CONCRETE	1989	S/S GENTIAN, 83' E/O KITCHING	10632037	9500L	-117.216869955	33.8955404683	25	1491962
2345297E	CONCRETE	1987	RANCHO LUCERO N/S, 370' W/O VIA CORTEZ	10632037	9500L	-117.212619860	33.8987910940	25	1491962
2345298E	CONCRETE	1987	CASA ENCANTADOR RD N/S, 135' W/O PASEO CARME	10632037	9500L	-117.213096173	33.8980791213	25	1491962
2345299E	CONCRETE	1987	CASA ENCANTADOR RD S/S, 50' E/O PASEO CARM	10632037	9500L	-117.212612784	33.8979808829	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2358138E	CONCRETE	1987	LA PUEBLA ST W/S, 140' N/O ENCANTADOR RD	10632037	9500L	-117.215925756	33.8974171210	25	1491962
2358139E	CONCRETE	1987	RANCHO LUCERO DR S/S, 160' E/O CASA GRANDE	10632037	9500L	-117.213187193	33.8987877433	25	1491962
2358451E	CONCRETE	1987	PASEO CARMEL W/S, 175' S/O CASA ENCANTADO	10632037	9500L	-117.212790306	33.8976008720	25	1491962
2358452E	CONCRETE	1987	PASEO CARMEL E/S, 50' N/O PASEO PACIFICO	10632037	9500L	-117.212657316	33.8969607679	25	1491962
2358464E	CONCRETE	1987	PASEO CARMEL W/S, 145' S/O PASEO PACIFICO	10632037	9500L	-117.212803129	33.8964470011	25	1491962
2358465E	CONCRETE	1987	CASA FANTASTICO S/S, 5' W/O PASEO CARMEL	10632037	9500L	-117.212763274	33.8960437539	25	1491962
2358467E	CONCRETE	1987	CASA GRANDE ST E/S, 182' N/O GENTIAN AVE	10632037	9500L	-117.213567584	33.8959701156	25	1491962
2358468E	CONCRETE	1987	CASA GRANDE ST W/S, 362' N/O GENTIAN AVE	10632037	9500L	-117.213691602	33.8963558115	25	1491962
2358469E	CONCRETE	1987	CASA GRANDE ST E/S, 300' S/O ENCANTADOR RD	10632037	9500L	-117.213566674	33.8971926620	25	1491962
2358470E	CONCRETE	1987	CASA GRANDE ST W/S, 185' S/O ENCANTADOR RD	10632037	9500L	-117.213712947	33.8975175495	25	1491962
2358471E	CONCRETE	1987	ENCANTADOR RD N/S, 42' W/O CASA GRANDE ST	10632037	9500L	-117.213765589	33.8980622745	25	1491962
2358472E	CONCRETE	1987	CASA GRANDE E/S, 150' N/O ENCANTADOR RD	10632037	9500L	-117.213564591	33.8983769772	25	1491962
2358473E	CONCRETE	1987	CASA GRANDE W/S, 5' N/O RANCHO LUCERO DR	10632037	9500L	-117.213712233	33.8988075823	25	1491962
2358474E	CONCRETE	1987	ENCANTADOR RD S/S, 20' N/O VISTA FAMOSO	10632037	9500L	-117.214360942	33.8978214642	25	1491962
2358475E	CONCRETE	1987	PASEO CORTEZ E/S, 165' S/O ENCANTADOR RD	10632037	9500L	-117.214678821	33.8972677343	25	1491962
2358476E	CONCRETE	1987	PASEO CORTEZ W/S, 220' N/O RANCHO TIERRA	10632037	9500L	-117.214602379	33.8966088960	25	1491962
2358477E	CONCRETE	1987	PASEO CORTEZ E/S, 45' N/O RANCHO TIERRA	10632037	9500L	-117.214510439	33.8961785847	25	1491962
2358478E	CONCRETE	1987	RANCHO TIERRA S/S, 92' W/O PASEO CORTEZ	10632037	9500L	-117.214899320	33.8960320865	25	1491962
2358479E	CONCRETE	1987	RANCHO TIERRA S/S, CL/O MORONGO CT	10632037	9500L	-117.215504264	33.8960492337	25	1491962
2358480E	CONCRETE	1987	MORONGO CT E/S, 160' N/O RANCHO TIERRA	10632037	9500L	-117.215498619	33.8965383078	25	1491962
2358481E	CONCRETE	1987	RANCHO TIERRA N/S, 205' W/O MORONGO CT	10632037	9500L	-117.216289690	33.8961609728	25	1491962
2358484E	CONCRETE	1987	ENCANTADOR RD S/S, 145' W/O LA PUEBLA ST	10632037	9500L	-117.216030907	33.8969277175	25	1491962
2358485E	CONCRETE	1987	ENCANTADOR RD S/S, 30' N/O LA PUEBLA ST	10632037	9500L	-117.215520402	33.8971214626	25	1491962
2358486E	CONCRETE	1987	ENCANTADOR RD N/S, 235' E/O LA PUEBLA	10632037	9500L	-117.215051463	33.8975288241	25	1491962
2358488E	CONCRETE	1987	VISTA FAMOSO DR W/S, 180' N/O ENCANTADOR R	10632037	9500L	-117.214634798	33.8982043467	25	1491962
2358489E	CONCRETE	1987	VISTA FAMOSO DR E/S, 350' N/O ENCANTADOR R	10632037	9500L	-117.214504335	33.8987936103	25	1491962
2358496E	CONCRETE	1987	VIA CARLOS CT N/S, 50' N/O LA PUEBLA ST	10632037	9500L	-117.216092129	33.8978778240	25	1491962
2358497E	CONCRETE	1987	VIA CARLOS CT S/S, 235' N/O LA PUEBLA ST	10632037	9500L	-117.215490389	33.8982142229	25	1491962
4062012E	CONCRETE	1989	N/S CATALEJO, 260' W/O FRONTERA	10632037	9500L	-117.215783574	33.8951273097	25	1491962
4062013E	CONCRETE	1989	S/S CATALEJO, 10' E/O FRONTERA	10632037	9500L	-117.215068281	33.8950654306	25	1491962
4062014E	CONCRETE	1989	N/S CATALEJO, 60' W/O GUAJOME	10632037	9500L	-117.214454298	33.8951411604	25	1491962
4062015E	CONCRETE	1989	E/S GUAJOME, 100' S/O CATALEJO	10632037	9500L	-117.214230967	33.8948078613	25	1491962
4063465E	CONCRETE	1989	S/S GENTIAN, 1251' E/O KITCHING	10632037	9500L	-117.213109312	33.8955614251	25	1491962
4063466E	CONCRETE	1989	S/S GENTIAN, 852' E/O KITCHING	10632037	9500L	-117.214445872	33.8955485972	25	1491962
4112973E	CONCRETE	1990	E/S ISLETA, 40' S/O JUMANO	10632037	9500L	-117.212648260	33.8947441801	25	1491962
4112974E	CONCRETE	1990	N/S JUMANO, 60' E/O JACARA	10632037	9500L	-117.213190064	33.8950538875	25	1491962
2358495EE	CONCRETE	1987	VIA ALICIA DR W/S 240 S/O VISTA FAMOSO	10632037	9500L	-117.216763457	33.8981646755	25	1491962
2345268E	CONCRETE	1987	KITCHINGST E/S, 695' N/O ENCANTADOR RD	10632037	22000L	-117.217186405	33.8987346979	29	1491960
2345269E	CONCRETE	1987	KITCHING ST E/S, 490' N/O ENCANTADOR RD	10632037	22000L	-117.217207952	33.8982310458	29	1491960
2345270E	CONCRETE	1987	KITCHING ST E/S, 285' N/O ENCANTADOR RD	10632037	22000L	-117.217195621	33.8974801454	29	1491960
2345271E	CONCRETE	1987	KITCHING ST E/S, 30' N/O ENCANTADOR RD	10632037	22000L	-117.217167567	33.8969641204	29	1491960
2345272E	CONCRETE	1987	KITCHING ST E/S, 174' S/O ENCANTADOR RD	10632037	22000L	-117.217173885	33.8963973980	29	1491960
2345273E	CONCRETE	1987	KITCHING ST E/S, 42' N/O GENTIAN AVE	10632037	22000L	-117.217187492	33.8957168017	29	1491960
2345274E	CONCRETE	1987	GENTIAN AVE N/S, 193' E/O KITCHING	10632037	22000L	-117.216601534	33.8956798346	29	1491960
2345275E	CONCRETE	1987	GENTIAN AVE N/S, 515' W/O CASA GRANDE	10632037	22000L	-117.215402925	33.8956503379	29	1491960
2345276E	CONCRETE	1987	GENTIAN AVE N/S, 62' W/O CASA GRANDE ST	10632037	22000L	-117.213790993	33.8956414343	29	1491960
4442133E	CONCRETE	2001	S/S GENTIAN, 482' E/O KITCHING	10632037	9500L	-117.215632430	33.8955645938	25	1491962
4536749E	WOOD	2004	N/W CNR KITCHING ST AND GENTIAN AVE	10632037	9500L	-117.21727269	33.8956231521	30	1491962
4709523E	CONCRETE	2008	W/S JACARA, 100' S/O JUMANO	10632037	9500L	-117.213436707	33.8946999727	26	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2315379E	CONCRETE	1986	PATRICIA ST, E/S, COR/O DANA LN	10632037	9500L	-117.221201289	33.8941921343	25	1491962
4112968E	CONCRETE	1990	W/S OCANA, 40' N/O LA BARCA	10632040	9500L	-117.209310726	33.8944392945	25	1491962
4112978E	CONCRETE	1990	N/S KARISA, 190' E/O ISLETA	10632040	9500L	-117.211973888	33.8944689531	25	1491962
4112982E	CONCRETE	1990	N/S LA BARCA, 10' E/O LAS POSAS	10632040	9500L	-117.211767338	33.8937589888	25	1491962
4112983E	CONCRETE	1990	E/S LA ENTRADA, 210' N/O LA BARCA	10632040	9500L	-117.210937756	33.8943918125	25	1491962
4112984E	CONCRETE	1990	N/S LA BARCA, 40' E/O LA ENTRADA	10632040	9500L	-117.210631780	33.8938954353	25	1491962
4112985E	CONCRETE	1990	S/S LA BARCA, CL/OF NUECES	10632040	9500L	-117.209910092	33.8940008383	25	1491962
4112986E	CONCRETE	1990	W/S NUECES, 140' N/O LA BARCA	10632040	9500L	-117.210182131	33.8944291686	25	1491962
4151555E	CONCRETE	1991	CAMINO FLORES W/S, 759' N/O C/L IRIS, MRNO V	10632040	9500L	-117.205475243	33.8940230713	25	1491962
2345284E	CONCRETE	1987	LOS ESTADOS W/S, 85' N/O CASA ENCANTADOR	10632040	9500L	-117.209523720	33.8979170013	25	1491962
2345285E	CONCRETE	1987	LOS ESTADOS W/S, 130' S/O CALLE FAMILIA	10632040	9500L	-117.209534301	33.8984755422	25	1491962
2345286E	CONCRETE	1987	CALLE FAMILIA N/S, 10' E/O LOS ESTADOS	10632040	9500L	-117.209396887	33.8988446443	25	1491962
2345287E	CONCRETE	1987	CALLE FAMILIA N/S, 150' W/O LOS ESTADOS	10632040	9500L	-117.209869854	33.8988098292	25	1491962
2345288E	CONCRETE	1987	CALLE FAMILIA N/S, 10' W/O LAS ROSAS	10632040	9500L	-117.210441966	33.8988404416	25	1491962
2345289E	CONCRETE	1987	LAS ROSAS W/S, 265' N/O CASA ENCANTADOR	10632040	9500L	-117.210445570	33.8983339291	25	1491962
2345290E	CONCRETE	1987	LAS ROSAS E/S, 40' N/O CASA ENCANTADOR	10632040	9500L	-117.210343287	33.8977871171	25	1491962
2345291E	CONCRETE	1987	CASA ENCANTADOR S/S, 25' E/O LOS ESTADOS	10632040	9500L	-117.209477284	33.8975538148	25	1491962
2345292E	CONCRETE	1987	CASA ENCANTADOR RD S/S, 95' E/O LAS ROSAS	10632040	9500L	-117.210102410	33.8975921054	25	1491962
2345293E	CONCRETE	1987	CASA ENCANTADOR S/S, 95' W/O LAS ROSAS	10632040	9500L	-117.210739599	33.8976761969	25	1491962
2345294E	CONCRETE	1987	CASA ENCANTADOR S/S, 5' E/O VIA CORTEZ	10632040	9500L	-117.211332997	33.8978070732	25	1491962
2345295E	CONCRETE	1987	VIA CORTEZ E/S, 180' N/O CASA ENCANTADOR	10632040	9500L	-117.211234935	33.8982520253	25	1491962
2345296E	CONCRETE	1987	VIA CORTEZ E/S, COR/O RANCHO LUCERO	10632040	9500L	-117.211259240	33.8988400759	25	1491962
2345300E	CONCRETE	1987	CASA ENCANTADOR RD N/S, 220' E/O PASEO CAR	10632040	9500L	-117.211927392	33.8980245766	25	1491962
2358143E	CONCRETE	1987	RANCHO LUCERO S/S, 150' W/O VIA CORTEZ	10632040	9500L	-117.212023649	33.8987977371	25	1491962
2358453E	CONCRETE	1987	NORMANDO CT E/S, 153' N/O PASEO PACIFICO	10632040	9500L	-117.211633455	33.8971893687	25	1491962
2358454E	CONCRETE	1987	PASEO PACIFICO S/S, 105' E/O PASEO CARMEL	10632040	9500L	-117.212391804	33.8968102673	25	1491962
2358455E	CONCRETE	1987	PASEO PACIFICO S/S, 5' W/O NORMANDO CT	10632040	9500L	-117.211693582	33.8968217292	25	1491962
2358456E	CONCRETE	1987	PASEO PACIFICO N/S, 180' E/O NORMANDO CT	10632040	9500L	-117.211046128	33.8969004160	25	1491962
2358457E	CONCRETE	1987	PASEO PACIFICO S/S, 230' W/O CAMINO GRANDE	10632040	9500L	-117.210258671	33.8968301845	25	1491962
2358458E	CONCRETE	1987	PASEO PACIFICO N/S, 10' W/O CAMINO GRANDE	10632040	9500L	-117.209533684	33.8969084005	25	1491962
2358459E	CONCRETE	1987	CAMINO GRANDE W/S, 140' S/O PASEO PACIFICO	10632040	9500L	-117.209577228	33.8965126792	25	1491962
2358460E	CONCRETE	1987	CASA FANTASTICO S/S, 40' W/O CAMINO GRANDE	10632040	9500L	-117.209607582	33.8960548473	25	1491962
2358461E	CONCRETE	1987	CASA FANTASTICO N/S, 235' E/O HUGO RD	10632040	9500L	-117.210210844	33.8961425797	25	1491962
2358462E	CONCRETE	1987	CASA FANTASTICO N/S, 35' E/O HUGO RD	10632040	9500L	-117.210955004	33.8961329471	25	1491962
2358463E	CONCRETE	1987	CASA FANTASTICO N/S, 170' E/O PASEO CARMEL	10632040	9500L	-117.212127580	33.8961338502	25	1491962
2358466E	CONCRETE	1987	CASA FANTASTICO S/S, 160' W/O HUGO RD	10632040	9500L	-117.211461685	33.8960521774	25	1491962
4063463E	CONCRETE	1989	S/S GENTIAN, 2052' E/O KITCHING	10632040	9500L	-117.210480228	33.8955287157	25	1491962
4063464E	CONCRETE	1989	S/S GENTIAN, 1651' E/O KITCHING	10632040	9500L	-117.211788731	33.8955438624	25	1491962
4112969E	CONCRETE	1990	S/S JUMANO, 50' W/O OCANA	10632040	9500L	-117.209599427	33.8950195384	25	1491962
4112970E	CONCRETE	1990	N/S JUMANO, 50' W/O LA CRESTA	10632040	9500L	-117.210297444	33.8950946774	25	1491962
4112972E	CONCRETE	1990	N/S JUMANO, 200' E/O ISLETA	10632040	9500L	-117.211812824	33.8950641201	25	1491962
4151556E	CONCRETE	1991	CAMINO FLORES E/S, 943' N/O C/L IRIS, MRNO VL	10632040	9500L	-117.205292621	33.8944759302	25	1491962
4151557E	CONCRETE	1991	CAMINO FLORES W/S, 123' S/O C/L GENTIAN, MR	10632040	9500L	-117.205301186	33.8949306709	25	1491962
4151558E	CONCRETE	1991	CAMINO FLORES E/S, 170' N/O GENTIAN, MRNO V	10632040	9500L	-117.204811685	33.8956398522	25	1491962
4151559E	CONCRETE	1991	CAMINO FLORES W/S, 384' N/O C/L GENTIAN, MR	10632040	9500L	-117.204422088	33.8961547136	25	1491962
4151560E	CONCRETE	1991	CAMINO FLORES E/S ON C/L EXTN'D CALLE CAME	10632040	9500L	-117.203834244	33.8964483623	25	1491962
4151561E	CONCRETE	1991	CAMINO FLORES S/S ON C/L EXTN'D CALLE CASTA	10632040	9500L	-117.203121072	33.8967097389	25	1491962
4063457E	CONCRETE	1989	W/S LASSELLE, 510' S/O GENTIAN	10632040	22000L	-117.208687890	33.8941908925	29	1491960
4063458E	CONCRETE	1989	E/S LASSELLE, 510' S/O GENTIAN	10632040	22000L	-117.208557580	33.8942007546	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2345278E	CONCRETE	1987	GENTIAN AVE N/S, 50' W/O HUGO RD	10632040	22000L	-117.211086240	33.8956329989	29	1491960
2345279E	CONCRETE	1987	GENTIAN AVE N/S, 165' E/O HUGO RD	10632040	22000L	-117.210436686	33.8956313176	29	1491960
2345281E	CONCRETE	1987	LASSELE ST W/S, 234' N/O GENTIAN AVE	10632040	22000L	-117.208916465	33.8961915490	29	1491960
2345282E	CONCRETE	1987	LASSELE ST W/S, 50' S/O CASA ENCANTADOR	10632040	22000L	-117.208933435	33.8974829749	29	1491960
2345283E	CONCRETE	1987	LASSELE ST W/S, 295' N/O CASA ENCANTADOR	10632040	22000L	-117.208927601	33.8984011587	29	1491960
2358142E	CONCRETE	1987	GENTIAN AVE N/S, 440' W/O HUGO RD	10632040	22000L	-117.212375951	33.8956234126	29	1491960
4063451E	CONCRETE	1989	E/S LASSELLE, 320' N/O GENTIAN	10632040	22000L	-117.208806804	33.8964444638	29	1491960
4063454E	CONCRETE	1989	E/S LASSELLE, 80' S/O GENTIAN	10632040	22000L	-117.208919801	33.8953650541	29	1491960
4063456E	CONCRETE	1989	E/S LASSELLE, 297.5' S/O GENTIAN	10632040	22000L	-117.208704685	33.8947397155	29	1491960
4063459E	CONCRETE	1989	E/S LASSELLE, 520' N/O GENTIAN	10632040	22000L	-117.208813892	33.8969930768	29	1491960
4063460E	CONCRETE	1989	E/S LASSELLE, 920' N/O GENTIAN	10632040	22000L	-117.208798822	33.8980960295	29	1491960
4063461E	CONCRETE	1989	E/S LASSELLE, 1120' N/O GENTIAN	10632040	22000L	-117.208793564	33.8986048184	29	1491960
4348507E	CONCRETE	1998	ALOSTA LANE E/S, 43' N/O C/L BALANCIN WAY	10632040	9500L	-117.208142153	33.8970153121	27	1491962
4348508E	CONCRETE	1998	ALOSTA LANE W/S, 120' S/O C/L BALANCIN WAY	10632040	9500L	-117.208257041	33.8966503600	27	1491962
4348509E	CONCRETE	1998	ALOSTA LANE E/S, 280' S/O C/L BALANCIN WAY	10632040	9500L	-117.208102706	33.8961863990	27	1491962
4348511E	CONCRETE	1998	CASA ENCANTADOR RD N/S, 185' E/O C/L LASSELLE	10632040	9500L	-117.208214791	33.8976530348	27	1491962
4348513E	CONCRETE	1998	AGUILA PASS E/S, 200' N/O C/L CASA ENCANTADOR	10632040	9500L	-117.207597217	33.8982006378	27	1491962
4348514E	CONCRETE	1998	AGUILA PASS W/S, 253' S/O C/L CABALLO RD	10632040	9500L	-117.208212979	33.8983383819	27	1491962
4348515E	CONCRETE	1998	AGUILA PASS E/S, 57' S/O C/L CABALLO RD	10632040	9500L	-117.208157092	33.8989052064	27	1491962
4348517E	CONCRETE	1998	CABALLO RD E/S, 205' N/O C/L CASA ENCANTADOR	10632040	9500L	-117.206899620	33.8986911996	27	1491962
4348518E	CONCRETE	1998	CASA ENCANTADOR RD N/S, 45' W/O C/L CABALLO RD	10632040	9500L	-117.206647867	33.8981925943	27	1491962
4361799E	CONCRETE	1999	BALANCIN WY N/S, 45' W/O C/L BELLO WAY	10632040	9500L	-117.206625152	33.8972728107	27	1491962
4361800E	CONCRETE	1999	CABALLO RD. E/S, 167' N/O C/L BALANCIN WY	10632040	9500L	-117.206025179	33.8979153772	27	1491962
4398451E	CONCRETE	2000	BALANCIN WY S/S, 48' W/O C/L CABALLO RD	10632040	9500L	-117.205876099	33.8974739619	27	1491962
4398452E	CONCRETE	2000	BELLO WY W/S, 183' S/O C/L BALANCIN WY	10632040	9500L	-117.206516018	33.8967130105	27	1491962
4398453E	CONCRETE	2000	CABALLO RD W/S, 82' S/O C/L CALLE ALTO	10632040	9500L	-117.205688235	33.8968369983	27	1491962
4398454E	CONCRETE	2000	CABALLO RD W/S, 240' N/O C/L GENTIAN AVE	10632040	9500L	-117.205682699	33.8960478933	27	1491962
4398455E	CONCRETE	2000	BELLO WY E/S, 210' N/O C/L GENTIAN AVE	10632040	9500L	-117.206453050	33.8961756505	27	1491962
4398456E	CONCRETE	2000	GENTIAN AVE N/S, 43' W/O C/L CABALLO RD	10632040	9500L	-117.205892763	33.8955078591	27	1491962
4398457E	CONCRETE	2000	GENTIAN AVE S/S, 167' E/O C/L CABALLO RD	10632040	9500L	-117.205415941	33.8952523054	27	1491962
4398458E	CONCRETE	2000	GENTIAN AVE S/S, 49' W/O C/L BELLO WY	10632040	9500L	-117.206631405	33.8954647743	27	1491962
4398459E	CONCRETE	2000	BRASA LN E/S, 103' S/O C/L GENTIAN AVE	10632040	9500L	-117.207213880	33.8951751002	27	1491962
4398460E	CONCRETE	2000	AROBLES CT W/S, 197' S/O C/L GENTIAN WY	10632040	9500L	-117.208191130	33.8950118671	27	1491962
4398461E	CONCRETE	2000	GENTIAN AVE S/S, 42' E/O C/L AROBLES CT	10632040	9500L	-117.208023436	33.8954893929	27	1491962
4398462E	CONCRETE	2000	GENTIAN WY N/S, 47' W/O C/L BRASA LN	10632040	9500L	-117.207372430	33.8955790964	27	1491962
4398463E	CONCRETE	2000	BRASA LN E/S, 263' N/O C/L GENTIAN WY	10632040	9500L	-117.207338423	33.8962705842	27	1491962
4398464E	CONCRETE	2000	BALANCIN WY S/S, 44' W/O C/L BRASA LN	10632040	9500L	-117.207467568	33.8969052465	27	1491962
4465525E	CONCRETE	2000	S/S JUMANO, 40' W/O LA ENTRADA	10632040	9500L	-117.211230559	33.8949907577	26	1491962
4484405E	CONCRETE	2002	SAGE CT W/S, 10' S/O C/L OLD ANVIL LN	10632040	9500L	-117.204732265	33.8935902243	27	1491962
4484406E	CONCRETE	2002	SAGE CT E/S, 222' N/O C/L OLD ANVIL LN	10632040	9500L	-117.204635548	33.8941657979	27	1491962
4484407E	CONCRETE	2002	SAGE CT W/S, 420' N/O C/L OLD ANVIL LN	10632040	9500L	-117.204616475	33.8947862873	27	1491962
4484408E	CONCRETE	2002	SAGE CT W/S, 701' N/O C/L OLD ANVIL LN	10632040	9500L	-117.204283274	33.8953323891	27	1491962
4484409E	CONCRETE	2002	OLD ANVIL LN W/S, 48' E/O C/L SAGE CT	10632040	9500L	-117.204576125	33.8936530913	27	1491962
4484410E	CONCRETE	2002	OLD ANVIL LN W/S, 224' E/O C/L SAGE CT	10632040	9500L	-117.203926069	33.8938566879	27	1491962
4484411E	CONCRETE	2002	OLD ANVIL LN E/S, 24' S/O C/L HITCHING POST ST	10632040	9500L	-117.203258963	33.8939789300	27	1491962
4484413E	CONCRETE	2002	PRARIE LN E/S, 150' N/O C/L HITCHING POST ST	10632040	9500L	-117.203191637	33.8948674483	27	1491962
4484414E	CONCRETE	2002	OLD ANVIL LN W/S, 141' N/O C/L HITCHING POST	10632040	9500L	-117.202756817	33.8942889228	27	1491962
4484417E	CONCRETE	2004	PRARIE LN E/S, 35' S/O C/L HORSHOE ST	10632040	9500L	-117.202709734	33.8952476812	27	1491960
4484431E	CONCRETE	2004	SILVERADO CT N/S, 200' E/O C/L HORSESHOE ST	10632040	9500L	-117.202662287	33.8963187657	27	1491960



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4484432E	CONCRETE	2004	SILVERADO CT N/S, 3' E/O C/L HORSESHOE ST	10632040	9500L	-117.203237040	33.8961008850	27	1491960
4484433E	CONCRETE	2004	SILVERADO CT N/S, 130' N/O C/L PRARIE LN	10632040	9500L	-117.202962353	33.8957286224	27	1491960
4564654E	CONCRETE	2004	CALLE CAMELIA E/S, 100' S/O C/L ENCANTADOR R	10632040	9500L	-117.204447209	33.8988557586	27	1491962
4564656E	CONCRETE	2004	BOGOSO LN S/S, 202' W/O C/L CALLE CAMELIA	10632040	9500L	-117.204938719	33.8976727243	27	1491962
4564657E	CONCRETE	2004	BOGOSO LN E/S, 399' W/O C/L CALLE CAMELIA	10632040	9500L	-117.205146912	33.8980480712	27	1491962
4484412E	CONCRETE	2003	HITCHING POST ST S/S, 20' S/O C/L PRARIE LN	10632040	9500L	-117.203667796	33.8945350673	27	1491962
4564670E	CONCRETE	2004	CAMINO LARGO E/S, 226' S/O C/L ENCANTADOR R	10632040	9500L	-117.203574869	33.8985478864	27	1491962
4524096E	CONCRETE	2004	CASA ENCANTADOR RD S/S, 25' W/O C/L AGUILA	10632040	9500L	-117.207275120	33.8976614162	27	1491962
4564673E	CONCRETE	2004	BOGOSO LN N/S, 174' W/O C/L CALLE ROSA	10632040	9500L	-117.203111975	33.8976909700	27	1491962
4564674E	CONCRETE	2004	BOGOSO LN S/S, 173' E/O C/L CALLE CAMELIA	10632040	9500L	-117.203694962	33.8976803610	27	1491962
4564675E	CONCRETE	2004	CALLE CASTANO E/S, 124' N/O C/L CAMINO FLOR	10632040	9500L	-117.203270816	33.8970818754	27	1491962
4564652E	CONCRETE	2005	CALLE ALTO S/S, 98' W/O C/L CALLE CAMELIA	10632040	9500L	-117.204469547	33.8970305030	27	1491962
4564653E	CONCRETE	2005	CALLE ALTO N/S, 110' W/O C/L CALLE CAMELIA	10632040	9500L	-117.204850618	33.8971415723	27	1491962
4564651E	CONCRETE	2005	CALLE CAMELIA W/S, 68' S/O C/L CALLE ALTO	10632040	9500L	-117.204194780	33.8969395750	27	1491962
4564655E	CONCRETE	2004	CALLE CAMELIA W/S, 44' N/O C/L BOGOSO LN	10632040	9500L	-117.204344909	33.8978274586	27	1491962
4564658E	CONCRETE	2004	BOGOSO LN E/S, 248' S/O C/L ENCANTADOR RD	10632040	9500L	-117.205293424	33.8983340832	27	1491962
4564661E	CONCRETE	2004	ENCANTADOR RD S/S, 209' N/O C/L CABALLO RD	10632040	9500L	-117.205997149	33.8986239620	27	1491962
4564669E	CONCRETE	2004	CAMINO LARGO S/S, 345' W/O C/L ABAZO DR	10632040	9500L	-117.202798006	33.8983504022	27	1491962
4709695E	CONCRETE	2008	W/S LASSELLE ST 00' N/O LA BARCA	10632040	22000L	-117.208802166	33.8945536061	31	1491960
4151562E	CONCRETE	1991	CAMINO FLORES S/S ON C/L EXTN'D ABAZO DR., N	10632043	9500L	-117.201655573	33.8969174911	25	1491962
4165311E	CONCRETE	1990	IRIS N/S, 2096' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.200784400	33.8937363953	29	1491960
4165313E	CONCRETE	1990	IRIS S/S, 2296' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.200112738	33.8940308310	29	1491960
4165314E	CONCRETE	1990	IRIS N/S, 2296' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.200200222	33.8940597025	29	1491960
4165316E	CONCRETE	1990	IRIS S/S, 2496' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.199492155	33.8943634584	29	1491960
4165315E	CONCRETE	1990	IRIS N/S, 2496' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.199508611	33.8944983568	29	1491960
4165320E	CONCRETE	1990	IRIS S/S, 2906' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.198434414	33.8948260632	29	1491960
4165321E	CONCRETE	1990	IRIS N/S, 3118' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.197999413	33.8950583132	29	1491960
4165322E	CONCRETE	1990	IRIS S/S, 3118' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.197893515	33.8949979654	29	1491960
4165323E	CONCRETE	1990	IRIS S/S, 3300' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.197381909	33.8951151054	29	1491960
4165324E	CONCRETE	1990	IRIS N/S, 3300' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.197410428	33.8952179761	29	1491960
4165325E	CONCRETE	1990	IRIS S/S, 3507' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.196640306	33.8952427150	29	1491960
4207210E	CONCRETE	1991	IRIS S/S, 2678' E/O D/L LASSELLE, MRNO VLY	10632043	22000L	-117.199039142	33.8945939458	29	1491960
4165327E	CONCRETE	1990	IRIS N/S, 3703' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.196153021	33.8953547091	29	1491960
4165330E	CONCRETE	1990	IRIS S/S, 3898' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.195682336	33.8952926098	29	1491960
4165332E	CONCRETE	1990	IRIS S/S, 4098' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.195081057	33.8952921183	29	1491960
4165334E	CONCRETE	1990	IRIS S/S, 4298' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.194371703	33.8952822428	29	1491960
4232017E	CONCRETE	1995	IRIS N/S, 2906' E/O LASSELLE, MORENO VALLEY	10632043	22000L	-117.198473457	33.8949214552	29	1491960
4423811E	CONCRETE	2003	IRIS N/S, 2678' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.199080580	33.8947051179	31	1491960
4497136E	CONCRETE	2003	MESA VERDE DR NE/S, 121' SE/O SANTA ROSA DR	10632043	9500L	-117.198542407	33.8937739818	27	1491962
4497138E	CONCRETE	2003	PUEBLO VISTA WY S/S, 318' W/O VISTA DEL MAR	10632043	9500L	-117.197418538	33.8937771497	27	1491962
4497139E	CONCRETE	2003	PUEBLO VISTA WY N/S, 148' W/O VISTA DEL MAR	10632043	9500L	-117.196994205	33.8939974136	27	1491962
4497140E	CONCRETE	2003	VISTA DEL MAR ST E/S, 16' S/O PUEBLO VISTA WY	10632043	9500L	-117.196333438	33.8939347134	27	1491962
4497141E	CONCRETE	2003	VISTA DEL MAR ST E/S, 57' S/O SANTA ROSA DR	10632043	9500L	-117.196342600	33.8945434922	27	1491962
4497142E	CONCRETE	2003	SANTA ROSA DR N/S, 134' W/O VISTA DEL MAR ST	10632043	9500L	-117.196853090	33.8946950821	27	1491962
4497143E	CONCRETE	2003	SANTA ROSA DR S/S, 347' W/O VISTA DEL MAR ST	10632043	9500L	-117.197478224	33.8944597000	27	1491962
4497144E	CONCRETE	2003	SANTA ROSA DR N/S, 148' NE/O MESA VERDE DR	10632043	9500L	-117.198382577	33.8942881738	27	1491962
4497149E	CONCRETE	2003	GRANDE VISTA DR W/S, 265' S/O IRIS AVE	10632043	9500L	-117.195920949	33.8946028433	27	1491962
4474649E	CONCRETE	2003	THOROUGHbred LN E/S, 196' N/O COACHLIGHT C	10632043	9500L	-117.201999883	33.8936371631	27	1491960
4474650E	CONCRETE	2003	THOROUGHbred LN W/S, 51' S/O PONDEROSA ST	10632043	9500L	-117.201369729	33.8940614838	27	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4484415E	CONCRETE	2002	OLD ANVIL LN E/S, 320' N/O C/L HITCHING POST S	10632043	9500L	-117.202335204	33.8943977525	27	1491962
4484416E	CONCRETE	2002	OLD ANVIL LN W/S, 488' N/O C/L HITCHING POST	10632043	9500L	-117.201994150	33.8946466838	27	1491962
4487686E	CONCRETE	2004	SANTAROSA DR N/S, 48' W/O C/L MESA VERDE DR	10632043	9500L	-117.198960530	33.8940204208	27	1491962
4435660E	CONCRETE	2004	IRIS S/S 2096' E/O C/L LASSELLE	10632043	22000L	-117.200654539	33.8936927943	31	1491960
4481350E	CONCRETE	2004	FIREROCK LN S/S, 90' W/O C/L IRIS AVE	10632043	9500L	-117.199043896	33.8949991191	27	1491960
4484418E	CONCRETE	2004	PRARIE LN E/S, 157' N/O C/L HORSHOE ST	10632043	9500L	-117.202114269	33.8954941871	27	1491960
4484419E	CONCRETE	2004	PRARIE LN N/S, 205' W/O C/L LARIAT LN	10632043	9500L	-117.201627613	33.8956730358	27	1491960
4484420E	CONCRETE	2004	PRARIE LN N/S, CORTNER WITH LARIAT LN	10632043	9500L	-117.200896105	33.8955084918	27	1491960
4484421E	CONCRETE	2004	LARIAT LN E/S, 159' N/O C/L THOROUGHbred LN	10632043	9500L	-117.200878780	33.8948603427	27	1491960
4484422E	CONCRETE	2004	THOROUGHbred LN S/S, 3' N/O C/L LARIAT LN	10632043	9500L	-117.200606419	33.8943812207	27	1491960
4484423E	CONCRETE	2004	THOROUGHbred LN E/S, 236' N/O C/L LARIAT LN	10632043	9500L	-117.199945163	33.8947434153	27	1491960
4484424E	CONCRETE	2004	BUCKBOARD LN W/S, 200' N/O C/L THOROUGHbred LN	10632043	9500L	-117.199916601	33.8954370926	27	1491960
4484425E	CONCRETE	2004	FIREROCK LN W/S, 187' S/O C/L SILVERADO CT	10632043	9500L	-117.199091103	33.8955238564	27	1491960
4484426E	CONCRETE	2004	SILVERADO CT N/S, 254' E/O C/L FIREROCK LN	10632043	9500L	-117.198122922	33.8959033858	27	1491960
4484427E	CONCRETE	2004	SILVERADO CT N/S, 4' E/O C/L FIREROCK LN	10632043	9500L	-117.198858203	33.8959445776	27	1491960
4484428E	CONCRETE	2004	SILVERADO CT N/S, 5' W/O C/L BUCKBOARD LN	10632043	9500L	-117.199813757	33.8961374656	27	1491960
4484429E	CONCRETE	2004	SILVERADO CT S/S, 280' W/O C/L BUCKBOARD LN	10632043	9500L	-117.200705938	33.8961862188	27	1491960
4484430E	CONCRETE	2004	SILVERADO CT N/S, 443' E/O C/L HORSESHOE ST	10632043	9500L	-117.201872461	33.8963206595	27	1491960
4564665E	CONCRETE	2004	ENCANTADOR RD S/S, 659' E/O C/L CAMINO LARGO	10632043	9500L	-117.201548131	33.8960262873	27	1491962
4546276E	CONCRETE	2004	AVENIDA DE PORTUGAL W/S, 127' S/O VIA JARDIN	10632043	9500L	-117.200860622	33.8970394201	27	1491962
4546277E	CONCRETE	2004	AVENIDA DE PORTUGAL E/S, 44' N/O VIA JARDIN	10632043	9500L	-117.200740526	33.8974425311	27	1491962
4546278E	CONCRETE	2004	AVENIDA DE PORTUGAL W/S, 169' N/O VIA JARDIN	10632043	9500L	-117.200831115	33.8977676456	27	1491962
4546279E	CONCRETE	2004	AVENIDA DE PORTUGAL E/S, 135' S/O CALLE BELDING	10632043	9500L	-117.200727705	33.8983244841	27	1491962
4546280E	CONCRETE	2004	AVENIDA DE PORTUGAL W/S, 49' N/O CALLE BELDING	10632043	9500L	-117.200839414	33.8987621634	27	1491962
4546282E	CONCRETE	2004	CALLE BELDING S/S, 128' W/O VIA RIO	10632043	9500L	-117.200478198	33.8986361910	27	1491962
4546283E	CONCRETE	2004	CALLE BELDING N/S, 20' E/O VIA RIO	10632043	9500L	-117.199863654	33.8987245798	27	1491962
4546284E	CONCRETE	2004	CALLE BELDING S/S, 145' E/O VIA RIO	10632043	9500L	-117.199401628	33.8986210845	27	1491962
4546285E	CONCRETE	2004	CALLE BELDING N/S, 45' W/O AVENIDA ANILLO	10632043	9500L	-117.199019759	33.8987002644	27	1491962
4546286E	CONCRETE	2004	AVENIDA ANILLO E/S, 130' N/O CALLE BELDING	10632043	9500L	-117.198854435	33.8989724658	27	1491962
4546287E	CONCRETE	2004	AVENIDA ANILLO W/S, 141' S/O CALLE BELDING	10632043	9500L	-117.199003145	33.8982988386	27	1491962
4546288E	CONCRETE	2004	CALLE VEJAR S/S, 46' E/O AVENIDA ANILLO	10632043	9500L	-117.198853770	33.8980055033	27	1491962
4546289E	CONCRETE	2004	VIA JARDIN S/S, 131' W/O VIA RIO	10632043	9500L	-117.200431455	33.8973244796	27	1491962
4546290E	CONCRETE	2004	VIA RIO W/S, 46' N/O VIA JARDIN	10632043	9500L	-117.199997587	33.8974372164	27	1491962
4546291E	CONCRETE	2004	VIA RIO E/S, 189' N/O VIA JARDIN	10632043	9500L	-117.199870336	33.8978288830	27	1491962
4546292E	CONCRETE	2004	VIA RIO W/S, 134' S/O CALLE BELDING	10632043	9500L	-117.199995633	33.8982667655	27	1491962
4546293E	CONCRETE	2004	VIA RIO W/S, 123' S/O VIA JARDIN	10632043	9500L	-117.199982328	33.8970494059	27	1491962
4546294E	CONCRETE	2004	CALLE LUNA N/S, 128' W/O AVENIDA ANILLO	10632043	9500L	-117.199585437	33.8969938612	27	1491962
4546295E	CONCRETE	2004	CALLE LUNA S/S, 72' E/O AVENIDA ANILLO	10632043	9500L	-117.198841453	33.8967682856	27	1491962
4546296E	CONCRETE	2004	AVENIDA ANILLO E/S, 82' N/O CALLE LUNA	10632043	9500L	-117.199000437	33.8970659754	27	1491962
4546297E	CONCRETE	2004	AVENIDA ANILLO W/S, 256' N/O CALLE LUNA	10632043	9500L	-117.199091222	33.8975568986	27	1491962
4550451E	CONCRETE	2004	CALLE LUNA N/S, 46' W/O BARONA CT	10632043	9500L	-117.198352860	33.8967962788	27	1491962
4550452E	CONCRETE	2004	BARONA CT E/S, 196' N/O CALLE LUNA	10632043	9500L	-117.198129848	33.8971657087	27	1491962
4550453E	CONCRETE	2004	CALLE LUNA S/S, 105' E/O BARONA CT	10632043	9500L	-117.197942408	33.8966776984	27	1491962
4550454E	CONCRETE	2004	CALLE LUNA N/S, 51' W/O VIA LIDO	10632043	9500L	-117.197307670	33.8967144415	27	1491962
4550455E	CONCRETE	2004	VIA LIDO E/S, 103' N/O CALLE LUNA	10632043	9500L	-117.197154144	33.8970478612	27	1491962
4550456E	CONCRETE	2004	VIA LIDO W/S, 210' S/O CALLE VEJAR	10632043	9500L	-117.197237883	33.8973910736	27	1491962
4550457E	CONCRETE	2004	VIA LIDO E/S, 82' S/O CALLE VEJAR	10632043	9500L	-117.197141259	33.8977669059	27	1491962
4550458E	CONCRETE	2004	CALLE VEJAR S/S, 130' W/O VIA LIDO	10632043	9500L	-117.197547647	33.8979154668	27	1491962
4550459E	CONCRETE	2004	CALLE VEJAR N/S, 137' E/O VIA LIDO	10632043	9500L	-117.196700288	33.8979916031	27	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4550460E	CONCRETE	2004	CALLE VEJAR S/S, 16' W/O VIA LIDO	10632043	9500L	-117.198175728	33.8979569013	27	1491962
4550461E	CONCRETE	2004	VILLA MARAVILLA W/S, 136' N/O CALLE VEJAR	10632043	9500L	-117.198155658	33.8982907566	27	1491962
4550462E	CONCRETE	2004	VISTA ALLEGRE S/S, 53' E/O VILLA MARAVILLA	10632043	9500L	-117.197910594	33.8987062686	27	1491962
4550463E	CONCRETE	2004	VISTA ALLEGRE N/S, 200' E/O VILLA MARAVILLA	10632043	9500L	-117.197440762	33.8987751612	27	1491962
4550464E	CONCRETE	2004	CALLE LUNA N/S, 130' E/O VIA LIDO	10632043	9500L	-117.196828559	33.8967599581	27	1491962
4550465E	CONCRETE	2004	CALLE LUNA S/S, 16' E/O AVENIDA FIESTA	10632043	9500L	-117.196405664	33.8967448157	27	1491962
4550466E	CONCRETE	2004	AVENIDA FIESTA E/S, 90' S/O VIA LAVANDA	10632043	9500L	-117.196269384	33.8970591685	27	1491962
4550467E	CONCRETE	2004	VIA LAVANDA N/S, 45' W/O AVENIDA FIESTA	10632043	9500L	-117.196214371	33.8973757221	27	1491962
4550468E	CONCRETE	2004	AVENIDA FIESTA W/S, 44' N/O VIA LAVANDA	10632043	9500L	-117.196381093	33.8974149391	27	1491962
4550469E	CONCRETE	2004	AVENIDA FIESTA E/S, 38' S/O CALLE VEJAR	10632043	9500L	-117.196271528	33.8979207392	27	1491962
4550470E	CONCRETE	2004	AVENIDA FIESTA W/S, 85' N/O CALLE VEJAR	10632043	9500L	-117.196379226	33.8981901052	27	1491962
4550471E	CONCRETE	2004	AVENIDA FIESTA E/S, 213' N/O CALLE VEJAR	10632043	9500L	-117.196221737	33.8985109885	27	1491962
4550472E	CONCRETE	2004	AVENIDA FIESTA E/S, 394' N/O CALLE VEJAR	10632043	9500L	-117.196238491	33.8989075146	27	1491962
4525380E	CONCRETE	2004	SANTA ROSA DR S/S, 241' W/O C/L MESA VERDE	10632043	9500L	-117.199370417	33.8936982999	27	1491962
4564667E	CONCRETE	2004	ABAZO DR W/S, 95' S/O C/L CAMINO LARGO	10632043	9500L	-117.201744126	33.8981513551	27	1491962
4564668E	CONCRETE	2004	CAMINO LARGO N/S, 124' W/O C/L ABAZO DR	10632043	9500L	-117.202059707	33.8984646946	27	1491962
4564671E	CONCRETE	2004	CALLE ROSA E/S, 47' N/O C/L CAMINO FLORES	10632043	9500L	-117.202419394	33.8971042214	27	1491962
4564672E	CONCRETE	2004	CALLE ROSA W/S, 55' S/O C/L BOGOSO LN	10632043	9500L	-117.202547745	33.8976236173	27	1491962
4564666E	CONCRETE	2004	ABAZO DR E/S, 198' N/O C/L CAMINO FLORES	10632043	9500L	-117.201583643	33.8976273940	27	1491962
4165326E	CONCRETE	1990	IRIS N/S, 3507' E/O C/L LASSELLE, MRNO VLY	10632043	22000L	-117.196675557	33.8953092698	29	1491960
4464000E	CONCRETE	2014	IRIS AND GRANDE VISTA	10632043	22000L	-117.196071858	33.8952690120	31	1491960
4163176E	CONCRETE	1990	TURNBERRY E/S, 210' N/O C/L ENGLEWOOD, MRNO	10632046	9500L	-117.188175926	33.8940617667	25	1491962
4112048E	CONCRETE	1989	S/S IRIS 2325' W/O VIA DEL LAGO	10632046	22000L	-117.186600942	33.8952989783	29	1491960
4112049E	CONCRETE	1989	N/S IRIS, 2325' W/O VIA DEL LAGO	10632046	22000L	-117.186613552	33.8954143141	29	1491960
4112051E	CONCRETE	1989	N/S IRIS, 2525' W/O VIA DEL LAGO	10632046	22000L	-117.187383921	33.8954111909	29	1491960
4112052E	CONCRETE	1989	S/S IRIS, 2725' W/O VIA DEL LAGO	10632046	22000L	-117.188039690	33.8953318965	29	1491960
4112053E	CONCRETE	1989	N/S IRIS, 2725' W/O VIA DEL LAGO	10632046	22000L	-117.188043137	33.8953992619	29	1491960
4112055E	CONCRETE	1989	N/S IRIS, 2911' W/O VIA DEL LAGO	10632046	22000L	-117.188450592	33.8954090785	29	1491960
4112056E	CONCRETE	1989	S/S IRIS, 3125' W/O VIA DEL LAGO	10632046	22000L	-117.189000953	33.8953240013	29	1491960
4112057E	CONCRETE	1989	N/S IRIS, 3125' W/O VIA DEL LAGO	10632046	22000L	-117.189023243	33.8954190791	29	1491960
4112059E	CONCRETE	1989	N/S IRIS, 3325' W/O VIA DEL LAGO	10632046	22000L	-117.189767161	33.8953988971	29	1491960
4112060E	CONCRETE	1989	S/S IRIS, 3529' W/O VIA DEL LAGO	10632046	22000L	-117.190421386	33.8952985644	29	1491960
4112061E	CONCRETE	1989	N/S IRIS, 3529' W/O VIA DEL LAGO	10632046	22000L	-117.190510735	33.8953990242	29	1491960
4165341E	CONCRETE	1990	IRIS S/S, 4908' E/O C/L LASSELLE, MRNO VLY	10632046	22000L	-117.192301757	33.8952777321	29	1491960
4165342E	CONCRETE	1990	IRIS S/S, 5155' E/O C/L LASSELLE, MRNO VLY	10632046	22000L	-117.191239376	33.8953074675	29	1491960
4005444E	CONCRETE	1989	S/S IRIS, 1330' W/O VIA DEL LAGO	10632046	22000L	-117.183224379	33.8953068946	29	1491960
4058882E	CONCRETE	1989	S/S IRIS, 1925' W/O VIA DEL LAGO	10632046	22000L	-117.185283041	33.8953120607	29	1491960
4112040E	CONCRETE	1989	N/S IRIS, 1330' W/O VIA DEL LAGO	10632046	22000L	-117.183221061	33.8954081050	29	1491960
4112041E	CONCRETE	1989	N/S IRIS, 1525' W/O VIA DEL LAGO	10632046	22000L	-117.183849317	33.8954271373	29	1491960
4112042E	CONCRETE	1989	S/S IRIS, 1525' W/O VIA DEL LAGO	10632046	22000L	-117.183882654	33.8953169750	29	1491960
4112043E	CONCRETE	1989	S/S IRIS, 1725' W/O VIA DEL LAGO	10632046	22000L	-117.184613506	33.8953285907	29	1491960
4112044E	CONCRETE	1989	N/S IRIS, 1725' W/O VIA DEL LAGO	10632046	22000L	-117.184574208	33.8954109426	29	1491960
4112045E	CONCRETE	1989	N/S IRIS, 1925' W/O VIA DEL LAGO	10632046	22000L	-117.185276610	33.8954268237	29	1491960
4112046E	CONCRETE	1989	S/S IRIS, 2125' W/O VIA DEL LAGO	10632046	22000L	-117.185826363	33.8953078244	29	1491960
4112047E	CONCRETE	1989	N/S IRIS, 2125' W/O VIA DEL LAGO	10632046	22000L	-117.185834450	33.8954125940	29	1491960
4112054E	CONCRETE	1989	S/S IRIS, 2911' W/O VIA DEL LAGO	10632046	22000L	-117.188445307	33.8953181142	29	1491960
4508583E	CONCRETE	2003	ARLA CT N/S, 176' W/O OLIVER ST	10632046	9500L	-117.183050188	33.8944604228	27	1491962
4508584E	CONCRETE	2003	ARLA CT S/S, 343' W/O OLIVER ST	10632046	9500L	-117.183783750	33.8944173713	27	1491962
4423817E	CONCRETE	2003	S/S IRIS, 2525' W/O VIA DEL LAGO	10632046	22000L	-117.187364473	33.8953251100	31	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4525449E	CONCRETE	2004	IRIS X CAMINO FLORES	10632046	22000L	-117.189758474	33.8953024323	31	1491960
4508575E	CONCRETE	2003	HAMMETT CT W/S, 18' N/O STAMLIN CT	10632046	9500L	-117.190561784	33.8944988683	27	1491962
4508576E	CONCRETE	2003	STAMLIN CT S/S, 186' E/O HAMMETT CT	10632046	9500L	-117.189854541	33.8944522940	27	1491962
4508577E	CONCRETE	2003	STAMLIN CT S/S, 186' E/O HAMMETT CT	10632046	9500L	-117.190581211	33.8941802114	27	1491962
4508585E	CONCRETE	2003	ARLA CT N/S, 539' W/O OLIVER ST	10632046	9500L	-117.184356127	33.8945356120	27	1491962
4508586E	CONCRETE	2003	ARLA CT S/S, 753' W/O OLIVER ST	10632046	9500L	-117.184993310	33.8944986498	27	1491962
4508587E	CONCRETE	2003	ARLA CT N/S, 681' E/O TURNBERRY ST	10632046	9500L	-117.185735118	33.8946109061	27	1491962
4508588E	CONCRETE	2003	ARLA CT S/S, 509' E/O TURNBERRY ST	10632046	9500L	-117.186421431	33.8945353191	27	1491962
4508589E	CONCRETE	2003	ARLA CT N/S, 285' E/O TURNBERRY ST	10632046	9500L	-117.187114522	33.8946461912	27	1491962
4508590E	CONCRETE	2003	ARLA CT S/S, 103' E/O TURNBERRY ST	10632046	9500L	-117.187812454	33.8946038128	27	1491962
4517736E	CONCRETE	2003	ARLA CT S/S, 273' W/O TURNBERRY ST	10632046	9500L	-117.189168230	33.8948154751	27	1491962
4547060E	CONCRETE	2003	TURNBERRY ST W/S, 157' S/O ARLA CT	10632046	9500L	-117.188298676	33.8942956804	27	1491962
4562403E	CONCRETE	2003	ARLA CT N/S, 119' W/O TURNBERRY ST	10632046	9500L	-117.188651535	33.8947642803	27	1491962
4562560E	CONCRETE	2003	TURNBERRY ST E/S, 41' N/O ARLA CT	10632046	9500L	-117.188177017	33.8947774845	27	1491962
4508574E	CONCRETE	2004	HAMMETT CT E/S, 90' S/O IRIS AVE	10632046	9500L	-117.190442467	33.8950409707	27	1491962
4163151E	CONCRETE	1990	OLIVER W/S, 340' N/O C/L ENGLEWOOD, MRNO V	10632049	9500L	-117.182484011	33.8942213071	25	1491962
4112008E	CONCRETE	1989	E/S OLIVER, 520' N/O IRIS	10632049	9500L	-117.182610006	33.8967444562	25	1491962
4112009E	CONCRETE	1989	E/S OLIVER, 945' N/O IRIS	10632049	9500L	-117.182622400	33.8979323031	25	1491962
4112010E	CONCRETE	1989	E/S OLIVER, 1370' N/O IRIS	10632049	9500L	-117.182605233	33.8990748020	25	1491962
4114201E	CONCRETE	1990	N/S CHAMPIONSHIP, 110' W/O DUNES	10632049	9500L	-117.173067199	33.8990340967	25	1491962
4114202E	CONCRETE	1990	W/S DUNES, 150' S/O CHAMPIONSHIP	10632049	9500L	-117.172907530	33.8986292796	25	1491962
4114203E	CONCRETE	1990	S/S DUNES, 75' E/O SARAZEN	10632049	9500L	-117.173226944	33.8981977857	25	1491962
4114204E	CONCRETE	1990	W/S SARAZEN, 130' S/O DUNES	10632049	9500L	-117.173793774	33.8980325654	25	1491962
4114205E	CONCRETE	1990	E/S SARAZEN, 120' N/O ZAHARIAS	10632049	9500L	-117.173904350	33.8975560000	25	1491962
4114206E	CONCRETE	1990	SOUTH END OF ZAHARIAS	10632049	9500L	-117.175176586	33.8966819332	25	1491962
4114207E	CONCRETE	1990	ZAHARIAS STREET S/S, 290' W/O DUNES WAY	10632049	9500L	-117.174579765	33.8968021602	25	1491962
4114208E	CONCRETE	1990	ZAHARIAS STREET N/S, 100' W/O DUNES WAY	10632049	9500L	-117.174138892	33.8970741085	25	1491962
4114209E	CONCRETE	1990	ZAHARIAS STREET S/S, 70' E/O DUNES WAY	10632049	9500L	-117.173484775	33.8972605579	25	1491962
4114210E	CONCRETE	1990	N/S ZAHARIAS, 250' E/O SARAZEN	10632049	9500L	-117.173062479	33.8975355202	25	1491962
4112029E	CONCRETE	1989	W/S VIA DEL LAGO, 293' S/O IRIS	10632049	22000L	-117.178745888	33.8944266222	29	1491960
4112030E	CONCRETE	1989	E/S VIA DEL LAGO, 289' S/O IRIS	10632049	22000L	-117.178633287	33.8945134361	29	1491960
4112034E	CONCRETE	1989	S/S IRIS, 525' W/O VIA DEL LAGO	10632049	22000L	-117.180598339	33.8950321117	29	1491960
4057302E	CONCRETE	1989	E/S MORENO BEACH, 5632' S/O CACTUS	10632049	22000L	-117.176351187	33.8963661093	29	1491960
4057303E	CONCRETE	1989	W/S MORENO BEACH, 5428' S/O CACTUS	10632049	22000L	-117.175803790	33.8967119348	29	1491960
4057304E	CONCRETE	1989	W/S MORENO BEACH, 5632' S/O CACTUS	10632049	22000L	-117.176219455	33.8963058208	29	1491960
4057305E	CONCRETE	1989	W/S MORENO BEACH, 5840' S/O CACTUS	10632049	22000L	-117.177475845	33.8957067467	29	1491960
4057306E	CONCRETE	1989	E/S MORENO BEACH, 5840' S/O CACTUS	10632049	22000L	-117.176808219	33.8959120844	29	1491960
4057309E	CONCRETE	1989	W/S MORENO BEACH, 6270' S/O CACTUS	10632049	22000L	-117.178162096	33.8954735204	29	1491960
4112033E	CONCRETE	1989	N/S IRIS, 525' W/O VIA DEL LAGO	10632049	22000L	-117.180610684	33.8951381167	29	1491960
4112035E	CONCRETE	1989	N/S IRIS, 731' W/O VIA DEL LAGO	10632049	22000L	-117.181251510	33.8951862830	29	1491960
4112036E	CONCRETE	1989	S/S IRIS, 731' W/O VIA DEL LAGO	10632049	22000L	-117.181262285	33.8950999263	29	1491960
4112037E	CONCRETE	1989	N/S IRIS, 936' W/O VIA DEL LAGO	10632049	22000L	-117.181793782	33.8952263915	29	1491960
4057301E	CONCRETE	1989	E/S MORENO BEACH, 5428' S/O CACTUS	10632049	22000L	-117.175706034	33.8966548720	29	1491960
4057311E	CONCRETE	1989	E/S MORENO VEACH, 5031' S/O CACTUS	10632049	22000L	-117.174850443	33.8974590659	29	1491960
4057312E	CONCRETE	1989	E/S MORENO BEACH, 5230' S/O CACTUS	10632049	22000L	-117.175170693	33.8971175954	29	1491960
4064339E	CONCRETE	1989	MORENO BEACH DR W/S, 80' S/O CL/O CHAMPIO	10632049	22000L	-117.174182455	33.8993272852	29	1491960
4064340E	CONCRETE	1989	MORENO BEACH DR E/S, 80' S/O CL/O CHAMPIO	10632049	22000L	-117.174011928	33.8993915744	29	1491960
4064341E	CONCRETE	1989	MORENO BEACH DR W/S, 280' S/O CL/O CHAMPIO	10632049	22000L	-117.174257768	33.8989882206	29	1491960
4064342E	CONCRETE	1989	MORENO BEACH DR E/S, 280' S/O CL/O CHAMPIO	10632049	22000L	-117.174139712	33.8989927396	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4064343E	CONCRETE	1989	MORENO BEACH DR W/S, 480' S/O CL/O CHAMPIONSHIP	10632049	22000L	-117.174410397	33.8986608236	29	1491960
4064344E	CONCRETE	1989	MORENO BEACH DR E/S, 480' S/O CL/O CHAMPIONSHIP	10632049	22000L	-117.174265006	33.8986629402	29	1491960
4064345E	CONCRETE	1989	MORENO BEACH DR E/S, 680' S/O CL/O CHAMPIONSHIP	10632049	22000L	-117.174347893	33.8982894865	29	1491960
4064346E	CONCRETE	1989	MORENO BEACH DR. W/S, 680' S/O CHAMPIONSHIP	10632049	22000L	-117.174520632	33.8982401539	29	1491960
4064347E	CONCRETE	1989	MORENO BEACH DR W/S, 880' S/O CL/O CHAMPIONSHIP	10632049	22000L	-117.174691447	33.8978957615	29	1491960
4064349E	CONCRETE	1989	W/S MORENO BEACH, 5031' S/O CACTUS	10632049	22000L	-117.174969648	33.8974922828	29	1491960
4064350E	CONCRETE	1989	W/S MORENO BEACH, 5231' S/O CACTUS	10632049	22000L	-117.175298615	33.8971621030	29	1491960
4364475E	CONCRETE	2000	MORENO BEACH DR E/S, 880' S/O CL/O CHAMPIONSHIP	10632049	22000L	-117.174536213	33.8978501982	31	1491960
4481275E	CONCRETE	2002	BETWEEN LOTS 75 & 76, 170' E/O C/L ADOBE WAY	10632049	9500L	-117.179733881	33.8956677619	27	1491960
4481276E	CONCRETE	2002	ADOBE WAY AT CUL-DE-SAC	10632049	9500L	-117.180539144	33.8954639637	27	1491960
4481277E	CONCRETE	2002	ADOBE WAY W/S, 675' S/O C/L LA PALMA WAY	10632049	9500L	-117.180345475	33.8958981472	27	1491960
4481278E	CONCRETE	2002	ADOBE WAY E/S, 538' S/O C/L LA PALMA WAY	10632049	9500L	-117.180027508	33.8962391777	27	1491960
4481279E	CONCRETE	2002	ADOBE WAY W/S, 298' S/O C/L LA PALMA WAY	10632049	9500L	-117.179828919	33.8969622893	27	1491960
4481280E	CONCRETE	2002	ADOBE WAY E/S, 25' S/O C/L LA PALMA WAY	10632049	9500L	-117.179089479	33.8973557150	27	1491960
4481281E	CONCRETE	2002	LA PALMA WAY W/S 45' N/O C/L ADOBE WAY	10632049	9500L	-117.179280148	33.8975178511	27	1491960
4481282E	CONCRETE	2002	LA PALMA WAY W/S 222' S/O C/L DE LA VEGA COURT	10632049	9500L	-117.179090137	33.8984568550	27	1491960
4481283E	CONCRETE	2002	ADOBE WAY W/S, 159' N/O C/L LA PALMA WAY	10632049	9500L	-117.178697716	33.8977782206	27	1491960
4481284E	CONCRETE	2002	ADOBE WAY E/S, 381' N/O C/L LA PALMA WAY	10632049	9500L	-117.178193405	33.8980633388	27	1491960
4481285E	CONCRETE	2002	LA PALMA WAY W/S 7' N/O C/L DE LA VEGA COURT	10632049	9500L	-117.178781273	33.8990985356	27	1491960
4481286E	CONCRETE	2002	DE LA VEGA COURT N/S, 164' E/O C/L LA PALMA WAY	10632049	9500L	-117.178269209	33.8989011440	27	1491960
4481298E	CONCRETE	2002	ADOBE WAY E/S, 564' S/O C/L VIA DE LA REAL	10632049	9500L	-117.177247150	33.8989378656	27	1491960
4481299E	CONCRETE	2002	ADOBE WAY W/S, 325' S/O C/L VIA DE LA REAL	10632049	9500L	-117.176966918	33.8993899167	27	1491960
4481300E	CONCRETE	2002	ADOBE WAY W/S, 760' S/O C/L VIA DE LA REAL	10632049	9500L	-117.177792080	33.8985589129	27	1491960
4483650E	CONCRETE	2002	BETWEEN LOTS 4 & 5, 11' W/O C/L VIA DEL LAGO	10632049	9500L	-117.178457575	33.8959555362	27	1491960
4508580E	CONCRETE	2003	OLIVER ST SW/S, 2' N/O GALA CT	10632049	9500L	-117.182516990	33.8943653354	27	1491962
4508581E	CONCRETE	2003	GALA CT SE/S, 163' NE/O OLIVER ST	10632049	9500L	-117.181946505	33.8947829872	27	1491962
4508582E	CONCRETE	2003	OLIVER ST NE/S, 25' N/O ARLA CT	10632049	9500L	-117.182532002	33.8946519202	27	1491962
4564901E	CONCRETE	2004	JEFFERY CIR W/S 11' S/O C/L, 172' W/O LEGENDARY DR	10632049	9500L	-117.182290993	33.8971561109	27	1491962
4564902E	CONCRETE	2004	LEGENDARY DR E/S, 30' S/O JEFFERY CIR	10632049	9500L	-117.181846726	33.8970804617	27	1491962
4564903E	CONCRETE	2004	SHELLIE WY S/S, 117' W/O LEGENDARY DR	10632049	9500L	-117.182536395	33.8962966308	27	1491962
4564904E	CONCRETE	2004	LEGENDARY DR E/S, 23' S/O SHELLIE WY	10632049	9500L	-117.182172125	33.8962589875	27	1491962
4564905E	CONCRETE	2004	LEGENDARY DR W/S, 268' S/O SHELLIE WY	10632049	9500L	-117.182360833	33.8959154648	27	1491962
4564906E	CONCRETE	2004	LEGENDARY DR E/S, 510' S/O SHELLIE WY	10632049	9500L	-117.182264877	33.8955745118	27	1491962
4564907E	CONCRETE	2004	LEGENDARY DR W/S, 255' N/O AUTUMN CIR	10632049	9500L	-117.181166529	33.8987729159	27	1491962
4564908E	CONCRETE	2004	LEGENDARY DR E/S, 506' N/O AUTUMN CIR	10632049	9500L	-117.180715266	33.8993850972	27	1491962
4564910E	CONCRETE	2004	AUTUMN CIR S/S, 281' W/O LEGENDARY DR	10632049	9500L	-117.181909273	33.8982391450	27	1491962
4564911E	CONCRETE	2004	LEGENDARY DR E/S, 21' N/O AUTUMN CIR	10632049	9500L	-117.181315892	33.8982483805	27	1491962
4564912E	CONCRETE	2004	LEGENDARY DR W/S, 164' S/O AUTUMN CIR	10632049	9500L	-117.181658129	33.8978425643	27	1491962
4415337E	CONCRETE	2006	S/S IRIS, 341' W/O VIA DEL LAGO	10632049	22000L	-117.179844516	33.8950473209	31	1491960
4710834E	CONCRETE	2009	N/S IRIS, 1135' W/O VIA DEL LAGO	10632049	22000L	-117.182326917	33.8953081577	29	1491960
4005221E	CONCRETE	1990	N/S CHAMPIONSHIP, 100' N/O ZAHARIAS	10632052	9500L	-117.171901106	33.8984716690	25	1491962
4005222E	CONCRETE	1990	N/S CHAMPIONSHIP, 310' E/O ZAHARIAS	10632052	9500L	-117.170640725	33.8981011352	25	1491962
4005223E	CONCRETE	1990	S/S CHAMPIONSHIP, 80' E/O ZAHARIAS	10632052	9500L	-117.171388798	33.8980496596	25	1491962
4005224E	CONCRETE	1990	N/S ZAHARIAS, 140' S/O CHAMPIONSHIP	10632052	9500L	-117.171995887	33.8980476039	25	1491962
4056785E	CONCRETE	1990	S/S CHAMPIONSHIP, 100' E/O DUNES	10632052	9500L	-117.172331885	33.8986237759	25	1491962
4057348E	CONCRETE	1989	S/S CHAMPIONSHIP, 3674' S/O J.F.K.	10632052	9500L	-117.170189323	33.8981869154	25	1491962
4057349E	CONCRETE	1989	W/S CHAMPIONSHIP, 3536' S/O J.F.K.	10632052	9500L	-117.169990612	33.8985239476	25	1491962
4057350E	CONCRETE	1989	S/S CHAMPIONSHIP, 3304' S/O J.F.K.	10632052	9500L	-117.169567147	33.8988636589	25	1491962
4057351E	CONCRETE	1989	N/S CHAMPIONSHIP, 3109' S/O J.F.K.	10632052	9500L	-117.168932158	33.8992211122	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4057352E	CONCRETE	1989	S/S CHAMPIONSHIP, 2902' S/O J.F.K.	10632052	9500L	-117.168166041	33.8993745846	25	1491962
4114211E	CONCRETE	1990	S/S ZAHARIAS, 350' S/O CHAMPIONSHIP	10632052	9500L	-117.172434559	33.8976637435	25	1491962
4005337E	CONCRETE	1987	S/S POPPYSTONE, 150' E/O HEACOCK	10652028	9500L	-117.242916123	33.8986773873	25	1491962
2352415E	CONCRETE	1989	LAVENDER LN, W/S, COR/O SUN VALLEY RD	10652028	9500L	-117.243076544	33.9033402730	25	1491962
2352416E	CONCRETE	1989	SUN VALLEY RD, S/S, 110' E/O LAVENDER LN	10652028	9500L	-117.242682175	33.9032811916	25	1491962
2381415E	CONCRETE	1988	HEACOCK ST E/S 177' S/O JOHN F. KENNEDY	10652028	9500L	-117.243642586	33.9023680880	25	1491962
4005341E	CONCRETE	1987	E/S HEACOCK, 65' N/O POPPYSTONE	10652028	22000L	-117.243534760	33.8987050049	29	1491960
4326694E	CONCRETE	1998	HEACOCK ST E/S, 265' N/O C/L POPPYSTONE	10652028	22000L	-117.243528650	33.8993233592	31	1491960
4326695E	CONCRETE	1998	HEACOCK ST E/S, 465' N/O C/L POPPYSTONE	10652028	22000L	-117.243541173	33.9001311811	31	1491960
4326696E	CONCRETE	1998	HEACOCK ST E/S, 665' N/O C/L POPPYSTONE	10652028	22000L	-117.243519429	33.9005353188	31	1491960
4326697E	CONCRETE	1998	HEACOCK ST E/S, 865' N/O C/L POPPYSTONE	10652028	22000L	-117.243521062	33.9009667441	31	1491960
4326698E	CONCRETE	1998	HEACOCK ST E/S, 409' S/O C/L J.F. KENNEDY	10652028	22000L	-117.243492881	33.9016732155	31	1491960
2150423E	CONCRETE	1978	S/S BEAL AVE 100' E/O INDIAN ST	10652031	5800L	-117.234316489	33.9021277666	25	1491962
2150425E	CONCRETE	1978	N/E CORNER OF BEAL AVE & BATTON ST	10652031	5800L	-117.233248703	33.9021279298	25	1491962
2150426E	CONCRETE	1978	W/S BATTON ST 110' N/O ELMENDORF DR	10652031	5800L	-117.233343749	33.9017045708	25	1491962
2150427E	CONCRETE	1978	E/S BATTON ST S/END OF ELMENDORF DR	10652031	5800L	-117.233226813	33.9014623721	25	1491962
2150428E	CONCRETE	1978	N/S ELMENDORF DR 110' BATTON ST	10652031	5800L	-117.233843345	33.9014841569	25	1491962
2150429E	CONCRETE	1978	S/S ELMENDORF DR 110' E/O INDIAN ST	10652031	5800L	-117.234558943	33.9013756965	25	1491962
2245891E	CONCRETE	1982	BEAL AVE N/S 400'E/O INDIAN AVE	10652031	5800L	-117.233839964	33.9022469380	30	1491962
2245716E	CONCRETE	1983	E/S GABRIEL 20 S/O FILAREE	10652031	9500L	-117.236483374	33.8994956835	30	1491962
2245717E	CONCRETE	1983	E/S GABRIEL 90 N/O FILAREE	10652031	9500L	-117.236501100	33.8999018310	30	1491962
2286859E	CONCRETE	1984	STACY S/S 120 W/O GABRIEL	10652031	9500L	-117.236987855	33.8987268339	25	1491962
2293575E	CONCRETE	1983	S/W C/O KURT CT & PAGE AVE	10652031	9500L	-117.238752623	33.8996065763	25	1491962
2293576E	CONCRETE	1983	N/S OF KURT COURT N C/O REX ST	10652031	9500L	-117.238133994	33.8997021723	25	1491962
2293577E	CONCRETE	1983	S/S KURT CT 3 LOTS E/O REX ST	10652031	9500L	-117.237381038	33.8995860292	25	1491962
2293578E	CONCRETE	1983	E/S REX ST MIDWAY TWIX KURT CT & STACEY AVE	10652031	9500L	-117.238095074	33.8992034240	25	1491962
2293579E	CONCRETE	1983	N/W C/O GABRIEL PL AND STACEY	10652031	9500L	-117.236600537	33.8987947140	25	1491962
2293582E	CONCRETE	1983	N/W OF STACE W/O REX ST	10652031	9500L	-117.237546109	33.8988113717	25	1491962
2293583E	CONCRETE	1983	S/S STACEY C/O REX ST	10652031	9500L	-117.238195685	33.8987093838	25	1491962
2299061E	CONCRETE	1984	STACEY AV N/S AT THERESA AV	10652031	9500L	-117.238756998	33.8988127472	25	1491962
4005334E	CONCRETE	1987	N/S POPPYSTONE, 260' E/O BROOKSTONE	10652031	9500L	-117.240981901	33.8987681482	25	1491962
4005335E	CONCRETE	1987	S/S POPPYSTONE, 50' E/O BROOKSTONE	10652031	9500L	-117.241629593	33.8986901505	25	1491962
4005336E	CONCRETE	1987	N/S POPPYSTONE, 170' W/O BROOKSTONE	10652031	9500L	-117.242185835	33.8987619085	25	1491962
4005338E	CONCRETE	1987	W/S BROOKSTONE, 160' S/O POPPYSTONE	10652031	9500L	-117.241830282	33.8984426537	25	1491962
4005593E	CONCRETE	1987	E/S CANYONSTONE, C/L OF POPPYSTONE	10652031	9500L	-117.239738762	33.8986937450	25	1491962
4005594E	CONCRETE	1987	S/S POPPYSTONE, 170' W/O CANYONSTONE	10652031	9500L	-117.240525622	33.8986910845	25	1491962
2182004E	CONCRETE	1979	W/S BATTON ST 150' S/O VANDENBERG DR	10652031	9500L	-117.233339018	33.9002565414	25	1491962
2182005E	CONCRETE	1979	E/S BATTON N/O FILAREE AVE	10652031	9500L	-117.233215009	33.8999123242	25	1491962
2182006E	CONCRETE	1979	W/S BATTON ST 30' S/O FILAREE AVE	10652031	9500L	-117.233317078	33.8993515974	25	1491962
2182007E	CONCRETE	1979	N/S FILAREE AVE 60' W/O BATTON ST	10652031	9500L	-117.233538783	33.8999304877	25	1491962
2182008E	CONCRETE	1957	S/S FILAREE AV E/O INDIAN AV	10652031	9500L	-117.234096447	33.8997381146	30	1491962
2245715E	CONCRETE	1983	N/S FILAREE 180 W/O INDIAN	10652031	9500L	-117.235680664	33.8996753580	30	1491962
2289114E	CONCRETE	1983	S/S FILAREE 50 W/O INDIAN	10652031	9500L	-117.235093887	33.8995525920	30	1491962
2293580E	CONCRETE	1984	S/S STACEY AVE E/O GABRIEL	10652031	9500L	-117.235568745	33.8987854636	25	1491962
2339674E	CONCRETE	1984	FAY AVE N/S 220 E/O INDIAN ST	10652031	9500L	-117.234195740	33.8988607568	25	1491962
2339689E	CONCRETE	1984	OAKHAM CT W/S 70 S/O GOLD STAR DR	10652031	9500L	-117.232624594	33.8989106195	25	1491962
2339691E	CONCRETE	1984	GOLD STAR DR S/S COR/O OAKHAM CT	10652031	9500L	-117.232641139	33.8991988975	25	1491962
2207238E	CONCRETE	1980	S/W C/O CLIFFROSE CT @ BLUEBERRY RD	10652031	9500L	-117.236717203	33.9033739264	25	1491962
2207239E	CONCRETE	1980	E/S BLUEBERRY RD 170 N/O CLIFFROSE CT	10652031	9500L	-117.236612036	33.9038013298	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2245718E	CONCRETE	1983	W/S GABRIEL C/O TYANN CT	10652031	9500L	-117.236595758	33.9004366697	30	1491962
2245721E	CONCRETE	1983	W/S GABRIEL 120 N/O TYANN CT	10652031	9500L	-117.236631731	33.9007300965	30	1491962
2245722E	CONCRETE	1983	N/S GABRIEL 330 N/O TYANN CT	10652031	9500L	-117.236810915	33.9011626624	30	1491962
2245723E	CONCRETE	1983	N/S GABRIEL 690 N/O TYANN CT	10652031	9500L	-117.237855210	33.9014485824	30	1491962
2289130E	CONCRETE	1983	E/S PAIGE AV COR/O GABRIEL ST	10652031	9500L	-117.238689058	33.9013477423	30	1491962
2289131E	CONCRETE	1983	W/S PAIGE AV 100 N/O GABRIEL ST	10652031	9500L	-117.238842781	33.9016873432	30	1491962
2289132E	CONCRETE	1983	W/S PAIGE AV 40 S/O NICOLE CT	10652031	9500L	-117.238881339	33.9022231632	30	1491962
2289133E	CONCRETE	1983	N/S NICOLE CT 85 E/O PAIGE AV	10652031	9500L	-117.238451032	33.9023294216	30	1491962
2289134E	CONCRETE	1983	N/S NICOLE CT 240 E/O PAIGE AV	10652031	9500L	-117.237777741	33.9023410755	30	1491962
2289135E	CONCRETE	1983	E/E/O NICOLE CT 430 E/O PAIGE AV	10652031	9500L	-117.237343455	33.9023106869	30	1491962
2289136E	CONCRETE	1983	S/S JFK COR/O PAIGE AV	10652031	9500L	-117.238696679	33.9027980643	30	1491962
2293571E	CONCRETE	1983	PAIGE AV. E/S 20' N/O KARRY	10652031	9500L	-117.238838223	33.9005901179	25	1491962
2293572E	CONCRETE	1983	KARRY CT. S/S 240' E/O PAIGE AV.	10652031	9500L	-117.238050223	33.9004762982	25	1491962
2293573E	CONCRETE	1983	KARRY CT. N/S 480' E/O PAIGE AV.	10652031	9500L	-117.237290282	33.9005703411	25	1491962
2286881E	CONCRETE	1984	PAIGE AV W/S 110 S/O KARRY CT	10652031	9500L	-117.238851440	33.9002717724	25	1491962
2344118E	CONCRETE	1989	MEADOW BRZE, W/S, 80' N/O SUN VALLEY RD	10652031	9500L	-117.242260143	33.9036387465	25	1491962
2307293E	CONCRETE	1957	S/S SUN VALLEY RD AT SPINNAKER LN	10652031	9500L	-117.241302112	33.9032878198	30	1491962
2352260E	CONCRETE	1985	SUN VALLEY RD, S/S, 205' E/O SPINNAKER	10652031	9500L	-117.240558379	33.9032863169	25	1491962
2352261E	CONCRETE	1985	SUN VALLEY, N/S, COR/O PEPPER CT	10652031	9500L	-117.239821466	33.9033875330	25	1491962
2352262E	CONCRETE	1985	SUN VALLEY RD, S/S, 190' E/O PEPPER CT	10652031	9500L	-117.239313815	33.9032991672	25	1491962
2352264E	CONCRETE	1985	PEPPER CT, E/S, COR/O JFK DR	10652031	9500L	-117.239781419	33.9029070027	25	1491962
2352265E	CONCRETE	1985	SUN VALLEY RD, N/W COR/O BRIANA ST	10652031	9500L	-117.238510319	33.9033965206	25	1491962
2352267E	CONCRETE	1986	PERHAM DR, E/S, 155' N/O SUN VALLEY RD	10652031	9500L	-117.237586310	33.9037995766	25	1491962
2352417E	CONCRETE	1989	SUN VALLEY RD, N/E COR/O MEADOW BRZE	10652031	9500L	-117.242132395	33.9033863151	25	1491962
2352427E	CONCRETE	1990	SPINNAKER LN, W/S, 75' N/O JFK	10652031	9500L	-117.241361565	33.9036522643	25	1491962
4056175E	CONCRETE	1987	ELM CT A/W W/S 209 N/O CLOVER AVE	10652031	9500L	-117.240977418	33.9001698417	50	1491962
4058476E	CONCRETE	1988	PEPPER ST, S/O J.F.K.	10652031	9500L	-117.239831233	33.9002681192	25	1491962
4064160E	CONCRETE	1988	24340 SUN VALLEY	10652031	9500L	-117.237890085	33.9033760769	25	1491962
2182001E	CONCRETE	1979	E/S VANDENBERG DR 110' E/O INDIAN ST	10652031	9500L	-117.234540902	33.9006777372	25	1491962
2182002E	CONCRETE	1979	S/S VANDENBERG DR 305' E/O INDIAN ST	10652031	9500L	-117.233981692	33.9005729586	25	1491962
2182003E	CONCRETE	1979	E/S BATTON ST 25' N/O VANDENBERG DR	10652031	9500L	-117.233207730	33.9006760763	25	1491962
2206660E	CONCRETE	1981	MORNING GLORY ST. 240' W/O WINTERGREEN	10652031	9500L	-117.233295606	33.9034249763	25	1491962
2206661E	CONCRETE	1981	S/W CNR SILVERTREE X/O MORNING GLORY ST.	10652031	9500L	-117.234308767	33.9033673424	25	1491962
2206662E	CONCRETE	1981	MORNING GLORY ST. N/S 170' E/O SILVERTREE RD	10652031	9500L	-117.233740520	33.9034319286	25	1491962
2206663E	CONCRETE	1957	S/S MORNING GLORY DR AT CLOVERFIELD RD	10652031	9500L	-117.233510602	33.9033302740	30	1491962
2206665E	CONCRETE	1957	S/S MORNING GLORY DR W/O WINTERGREEN DR	10652031	9500L	-117.233149638	33.9033398068	30	1491962
2207241E	CONCRETE	1957	END OF CLIFFROSE CT	10652031	9500L	-117.235679334	33.9033281448	30	1491962
2207243E	CONCRETE	1957	CLIFFROSE CT	10652031	9500L	-117.235598632	33.9038065561	30	1491962
2245719E	CONCRETE	1983	N/S TYANN CT 130 E/O GABRIEL	10652031	9500L	-117.236106649	33.9005221171	30	1491962
2245720E	CONCRETE	1983	END OF TYANN CT	10652031	9500L	-117.235561241	33.9004478936	30	1491962
4056361E	CONCRETE	1989	S/W COR MORNING GLORY & WINTERGREEN	10652031	9500L	-117.232581681	33.9033389219	29	1491962
2182009E	CONCRETE	1957	S/E CORNER OF FILAREE AND INDIAN AV	10652031	22000L	-117.234857334	33.8995386995	30	1491960
2339671E	CONCRETE	1984	INDIAN ST E/S 150 N/O FAY AVE	10652031	22000L	-117.234866626	33.8991796321	29	1491960
2339672E	CONCRETE	1984	INDIAN ST E/S COR/O FAY AVE	10652031	22000L	-117.234850750	33.8987455766	29	1491960
2150417E	CONCRETE	1978	E/S INDIAN ST 100' S/O ELMENDORF DR	10652031	22000L	-117.234866765	33.9010953964	30	1491960
2150418E	CONCRETE	1978	E/S INDIAN ST 20' N/O ELMENDORF DR	10652031	22000L	-117.234892984	33.9015097166	30	1491960
2150419E	CONCRETE	1978	E/S INDIAN ST 20' N/O BEAL AVE	10652031	22000L	-117.234874736	33.9022415383	30	1491960
2150421E	CONCRETE	1978	S/S JOHN F. KENNEDY DR 200' E/O INDIAN ST	10652031	22000L	-117.234279827	33.9028152061	30	1491960
2150422E	CONCRETE	1978	S/S JOHN F. KENNEDY DR 500' E/O INDIAN ST	10652031	22000L	-117.233294959	33.9027978901	30	1491960



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4005575E	CONCRETE	1987	JOHN F. KENNEDY S/S, 52' W/O WINTERGREEN	10652031	22000L	-117.232568297	33.9028195568	29	1491960
4317240E	CONCRETE	1996	PEPPER CT W/S 190' N/O CLOVER AVE	10652031	9500L	-117.239923436	33.9000733298	25	1491962
4317236E	CONCRETE	1996	PEPPER CT W/S 75' S/O JFK C/L	10652031	9500L	-117.239896172	33.9025848923	25	1491962
4317237E	CONCRETE	1996	PEPPER CT E/S 320' S/O JFK C/L	10652031	9500L	-117.239800804	33.9020374627	25	1491962
4317238E	CONCRETE	1996	PEPPER CT W/S 520' S/O JFK C/L	10652031	9500L	-117.239933993	33.9013235692	25	1491962
4317239E	CONCRETE	1996	PEPPER CT E/S 380' N/O CLOVER AV	10652031	9500L	-117.239827608	33.9006546323	25	1491962
4317241E	CONCRETE	1996	PEPPER CT NW C/O CLOVER AV	10652031	9500L	-117.239954966	33.8996724534	25	1491962
4317242E	CONCRETE	1996	CLOVER AV N/S 170' W/O PEPPER CT	10652031	9500L	-117.240415450	33.8996578867	25	1491962
4317244E	CONCRETE	1996	CLOVER N/S 160' W/O ELM CT C/L	10652031	9500L	-117.241388151	33.8996587459	25	1491962
4317246E	CONCRETE	1996	ELM CT W/S 350' N/O CLOVER AV	10652031	9500L	-117.241020553	33.9005446888	25	1491962
4317247E	CONCRETE	1996	ELM CT E/S 555' S/O JFK C/L	10652031	9500L	-117.240909570	33.9012642294	25	1491962
4317248E	CONCRETE	1996	ELM CT W/S 320' S/O JFK C/L	10652031	9500L	-117.241022617	33.9018748599	25	1491962
4317249E	CONCRETE	1996	ELM CT E/S 130' S/O JFK	10652031	9500L	-117.240883492	33.9023673862	25	1491962
4317250E	CONCRETE	1996	ELM CT SW C/O JFK	10652031	9500L	-117.241071012	33.9027990098	25	1491962
4318179E	CONCRETE	1999	BRIANA ST, E/S, 140' N/O SUN VALLEY RD	10652031	9500L	-117.238429694	33.9036494023	26	1491962
4442122E	CONCRETE	2001	SUN VALLEY RD, S/S, 25' E/O PERHAM DR	10652031	9500L	-117.237696576	33.9033110926	26	1491962
4463472E	CONCRETE	2002	JFK S/S, 440' W/O C/L INDIAN	10652031	22000L	-117.236366479	33.9027923214	32	1491960
4463473E	CONCRETE	2002	JFK S/S, 178' W/O C/L INDIAN	10652031	22000L	-117.235499533	33.9028186003	32	1491960
4716110E	CONCRETE	2008	CLOVER AVE. S/S @ ELM CT	10652031	9500L	-117.240979462	33.8995484994	26	1491962
1919601E	WOOD	1970	FILAREE ST NS 160 EO PERRIS BLVD	10652034	9500L	-117.225789802	33.8988542133	30	1491962
1919602E	WOOD	1970	FILAREE ST NS 300 EO PERRIS BLVD	10652034	9500L	-117.225134385	33.8988437236	30	1491962
1919603E	WOOD	1970	FILAREE ST S/S 480 EO PERRIS BLVD	10652034	9500L	-117.224600860	33.8987856225	30	1491962
1919604E	WOOD	1970	FILAREE ST NS 670 EO PERRIS BLVD	10652034	9500L	-117.223830309	33.8988594325	30	1491962
1919605E	WOOD	1970	FILAREE ST SS 845 EO PERRIS BLVD	10652034	9500L	-117.223214844	33.8987708414	30	1491962
1919606E	WOOD	1970	FILAREE ST NS 1025 EO PERRIS BLVD	10652034	9500L	-117.222552226	33.8988549628	30	1491962
2013851E	CONCRETE	1973	W/S CROFTBORO RD 15' N/O CASTLEBROOK AVE	10652034	5800L	-117.226656537	33.9033579846	25	1491962
2013852E	CONCRETE	1973	W/S CROFTBORO RD 185' N/O CASTLEBROOK AVE	10652034	5800L	-117.226642009	33.9037279289	25	1491962
2013858E	CONCRETE	1973	S/S CASTLEBROOK AVE 20' W/O BLUEBRIER ST	10652034	5800L	-117.227316511	33.9032619033	25	1491962
2013859E	CONCRETE	1973	W/S BLUEBRIAR ST 200' N/O CASTLEBROOK AVE	10652034	5800L	-117.227345540	33.9039181729	25	1491962
2013864E	CONCRETE	1973	S/S CASTLEBROOK AVE 10' E/O DOVEHURST ST	10652034	5800L	-117.227945106	33.9032551647	25	1491962
2013865E	CONCRETE	1993	E/S DOVEHURST ST 150' N/O CASTLEBROOK AVE	10652034	5800L	-117.227900049	33.9036043481	25	1491962
2013870E	CONCRETE	1973	S/S CASTLEBROOK AVE E/O FOXSHIEL ST	10652034	5800L	-117.228698301	33.9032578738	25	1491962
2013871E	CONCRETE	1973	E/S FOXSHIEL ST N/O CASTLEBROOK AVE	10652034	5800L	-117.228630621	33.9038019856	25	1491962
2013876E	CONCRETE	1973	E/S VINEHILL ST N/O CASTLEBROOK AVE	10652034	5800L	-117.229356809	33.9033198924	25	1491962
2013877E	CONCRETE	1973	E/S VINEHILL ST 200' N/O CASTLEBROOK AVE	10652034	5800L	-117.229384783	33.9038235515	25	1491962
2013883E	CONCRETE	1973	W/S STARMONT ST 350' S/O HALLPORT AVE	10652034	5800L	-117.230255104	33.9034842314	25	1491962
2013884E	CONCRETE	1973	E/S STARMONT ST 220' S/O HALLPORT AVE	10652034	5800L	-117.230114477	33.9037996917	25	1491962
2293541E	CONCRETE	1984	W/S BLACK SHADOW C/O FILAREE	10652034	9500L	-117.226998869	33.8987481100	25	1491962
2293543E	CONCRETE	1984	W/S PERRIS BL 120 N/O FILAREE	10652034	9500L	-117.226350557	33.8991388576	30	1491962
2293544E	CONCRETE	1984	E/S BLACKSHADOW 102 N/O FILAREE	10652034	9500L	-117.226890760	33.8990751807	25	1491962
2293545E	CONCRETE	1984	S/S GOLDSTAR 320 W/O BLACKSHADOW	10652034	9500L	-117.227955275	33.8991786655	25	1491962
2293547E	CONCRETE	1984	S/S GOLDSTAR 1100 W/O BLACKSHADOW	10652034	9500L	-117.230564441	33.8991926116	25	1491962
2339690E	CONCRETE	1984	GOLD STAR DR S/S 245 E/O OAKHAM CT	10652034	9500L	-117.231760924	33.8992049976	25	1491962
2347630E	CONCRETE	1987	GOLD STAR DR, N/W COR/O BUXTON AVE	10652034	9500L	-117.231129785	33.8992786566	25	1491962
2347631E	CONCRETE	1987	HEATH CT, S/S, 175' W/O BUXTON AVE	10652034	9500L	-117.231681625	33.8998912909	25	1491962
2347632E	CONCRETE	1987	HEATH CT, N/S, 365' W/O BUXTON AVE	10652034	9500L	-117.232310465	33.8999603635	25	1491962
2347633E	CONCRETE	1987	BUXTON AVE, E/S, COR/O HEATH CT	10652034	9500L	-117.230990837	33.9000034647	25	1491962
2347634E	CONCRETE	1987	BUXTON AVE, E/S, 90' N/O GOLD STAR DR	10652034	9500L	-117.231007130	33.8995004359	25	1491962
4002678E	CONCRETE	1988	NORTON LN E/S, 225' N/O GOLD STAR DR	10652034	9500L	-117.230120320	33.8998598260	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4002679E	CONCRETE	1988	GOLD STAR DR N/S, 45' E/O NORTON LN	10652034	9500L	-117.229992819	33.8992760409	25	1491962
4002685E	CONCRETE	1988	LAVERDA LN E/S, 205' N/O GOLD STAR DR	10652034	9500L	-117.227859721	33.8997793073	25	1491962
4002687E	CONCRETE	1988	GOLD STAR DR N/S, 290' E/O NORTON LN	10652034	9500L	-117.228726292	33.8992774078	25	1491962
4003097E	CONCRETE	1987	BLACK SHADOW DR W/S, 216' N/O GOLD STAR DR	10652034	9500L	-117.227038248	33.8998379992	25	1491962
4065704E	CONCRETE	1988	S/S GOLDSTAR 340 W/O BLACKSHADOW	10652034	9500L	-117.229350419	33.8991919395	25	1491962
2206659E	CONCRETE	1957	S/S MORNING GLORY DR E/O WINTERGREEN DR	10652034	9500L	-117.231504916	33.9033185142	30	1491962
2206668E	CONCRETE	1981	WINTERGREEN ST. E/S 15' N/O MORNING GLORY	10652034	9500L	-117.232389549	33.9034310894	25	1491962
2206669E	CONCRETE	1981	MORNING GLORY 465' E/O WINTERGREEN	10652034	9500L	-117.231045719	33.9033494845	25	1491962
2206670E	CONCRETE	1981	MORNING GLORY ST. N/S 100' E/O WINTERGREEN	10652034	9500L	-117.231929826	33.9034332289	25	1491962
2347635E	CONCRETE	1987	BUXTON AVE, E/S, 30' S/O RUGBY LN	10652034	9500L	-117.230973720	33.9005593891	25	1491962
2347636E	CONCRETE	1987	RUGBY LN, S/S, 170' W/O BUXTON AVE	10652034	9500L	-117.231622945	33.9006118975	25	1491962
2347637E	CONCRETE	1987	RUGBY LN, S/S,COR/O WINTERGREEN ST	10652034	9500L	-117.232297138	33.9006205776	25	1491962
4002668E	CONCRETE	1987	AGUSTA DR N/S, 45' W/O VINEHILL ST	10652034	9500L	-117.229582448	33.9023558218	25	1491962
4002669E	CONCRETE	1987	AGUSTA DR N/S, 20' W/O NORTON LN	10652034	9500L	-117.230222699	33.9022822821	25	1491962
4002670E	CONCRETE	1987	NORTON LN E/S, 150' S/O AGUSTA DR	10652034	9500L	-117.230108892	33.9019190944	25	1491962
4002671E	CONCRETE	1987	AGUSTA DR S/S, 170' E/O VINEHILL ST	10652034	9500L	-117.228932485	33.9022892264	25	1491962
4002672E	CONCRETE	1987	NORTON LN W/S, 30' S/O GREENLEE WY	10652034	9500L	-117.230220901	33.9014454656	25	1491962
4002673E	CONCRETE	1987	GREENLEE WY N/S, 120' W/O PRENTICE WY	10652034	9500L	-117.229698604	33.9015249206	25	1491962
4002674E	CONCRETE	1987	GREENLEE WY S/S, 45' E/O PRENTICE WY	10652034	9500L	-117.229045402	33.9014433615	25	1491962
4002675E	CONCRETE	1987	GREENLEE WY N/S, 25' W/O LAVERDA LN	10652034	9500L	-117.228452853	33.9015261081	25	1491962
4002676E	CONCRETE	1988	NORTON LN E/S, 605' N/O GOLD STAR DR	10652034	9500L	-117.230122962	33.9009364812	25	1491962
4002677E	CONCRETE	1988	NORTON LN W/S, 405' N/O GOLD STAR DR	10652034	9500L	-117.230257588	33.9003667385	25	1491962
4002680E	CONCRETE	1988	PRENTICE WY W/S, 355' N/O MATTUS WY	10652034	9500L	-117.229288127	33.9008649808	25	1491962
4002681E	CONCRETE	1988	PRENTICE WY E/S, 215' N/O MATTUS WY	10652034	9500L	-117.229262547	33.9004241134	25	1491962
4002682E	CONCRETE	1988	PRENTICE WY W/S, 25' N/O MATTUS WY	10652034	9500L	-117.229273426	33.9000036190	25	1491962
4002683E	CONCRETE	1988	MATTUS WY S/S, 160' E/O PRENTICE WY	10652034	9500L	-117.228876923	33.8999198309	25	1491962
4002684E	CONCRETE	1988	LAVERDA LN E/S, 280' N/O MATTUS WY	10652034	9500L	-117.228278638	33.9008973998	25	1491962
4002688E	CONCRETE	1988	LAVERDA LN W/S, 45' N/O MATTUS WY	10652034	9500L	-117.228181519	33.9001904723	25	1491962
4003098E	CONCRETE	1987	BLACK SHADOW DR E/S, 375' N/O GOLD STAR DR	10652034	9500L	-117.226905305	33.9002766787	25	1491962
4005580E	CONCRETE	1987	WINTERGREEN ST W/S, 10' N/O GOLDSTON CT	10652034	9500L	-117.232390152	33.9023091147	25	1491962
4005581E	CONCRETE	1987	GOLDSTON CT S/S, 95' E/O WINTERGREEN ST	10652034	9500L	-117.232005751	33.9022618019	25	1491962
4005582E	CONCRETE	1987	GOLDSTON CT S/S, 405' E/O WINTERGREEN ST	10652034	9500L	-117.231346462	33.9023190964	25	1491962
4005583E	CONCRETE	1987	WINTERGREEN ST E/S, 150' S/O GOLDSTON CT	10652034	9500L	-117.232238676	33.9019031957	25	1491962
4005584E	CONCRETE	1987	WINTERGREEN ST W/S, 25' S/O PATRICIAN CT	10652034	9500L	-117.232395363	33.9013810543	25	1491962
4005585E	CONCRETE	1987	PATRICIAN CT S/S, 275' E/O WINTERGREEN	10652034	9500L	-117.231621131	33.9014215817	25	1491962
4005586E	CONCRETE	1987	PATRICIAN CT N/S, 405' E/O WINTERGREEN	10652034	9500L	-117.231322432	33.9014740452	25	1491962
4005587E	CONCRETE	1987	GOLDSTON CT N/S, 275' E/O WINTERGREEN ST	10652034	9500L	-117.231563719	33.9023561481	25	1491962
4005588E	CONCRETE	1987	PATRICIAN CT N/S, 95' E/O WINTERGREEN	10652034	9500L	-117.231999101	33.9014930598	25	1491962
4056774E	CONCRETE	1989	S/S EL GRECO, 160' W/O LA BRISIS	10652034	9500L	-117.222953392	33.9033796928	25	1491962
4057377E	CONCRETE	1989	N/S EL GRECO, 330' W/O LA BRISIS	10652034	9500L	-117.223445502	33.9034165113	25	1491962
4002666E	CONCRETE	1987	JOHN F. KENNEDY S/S, 300' E/O VINEHILL ST	10652034	22000L	-117.228441452	33.9028142454	29	1491960
4529711E	CONCRETE	2006	PERRIS BL W/S, 75' S/O C/L JFK	10652034	22000L	-117.226364917	33.9026684171	32	1491960
4005576E	CONCRETE	1987	JOHN F. KENNEDY S/S, 155' E/O WINTERGREEN	10652034	22000L	-117.231816108	33.9027984327	29	1491960
4005578E	CONCRETE	1987	JOHN F. KENNEDY S/S, 337' E/O WINTERGREEN	10652034	22000L	-117.231113738	33.9028032082	29	1491960
4005579E	CONCRETE	1987	JOHN F. KENNEDY S/S, 522' E/O WINTERGREEN	10652034	22000L	-117.230558655	33.9027958047	29	1491960
4057380E	CONCRETE	1989	N/S JFK, 235' W/O LA BRISIS	10652034	22000L	-117.223307780	33.9029046139	29	1491960
4057381E	CONCRETE	1989	N/S JFK, 447' W/O LA BRISIS	10652034	22000L	-117.224009218	33.9029047351	29	1491960
4058746E	CONCRETE	1989	N/S J.F. KENNEDY, 509' E/O PERRIS BLVD.	10652034	22000L	-117.224634418	33.9029156069	29	1491960
4058747E	CONCRETE	1989	N/S J.F. KENNEDY, 299' E/O PERRIS BLVD.	10652034	22000L	-117.225288632	33.9029018789	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4058748E	CONCRETE	1989	E/S PERRIS BLVD., 300' N/O J.F. KENNEDY	10652034	22000L	-117.226214761	33.9036811878	29	1491960
4212177E	CONCRETE	1993	JFK S/S, 155' W/O C/L LA BRISIS WAY	10652034	22000L	-117.222938482	33.9028266237	28	1491960
4212178E	CONCRETE	1993	JFK S/S, 410' W/O C/L LA BRISIS WAY	10652034	22000L	-117.223796672	33.9028279120	28	1491960
4299118E	CONCRETE	1996	PERRIS BLVD W/S 374' N/O GOLD STAR	10652034	22000L	-117.226363355	33.8997086529	23	1491960
4299124E	CONCRETE	1997	JOHN F. KENNEDY S/S, 160' W/O VINEHILL ST	10652034	22000L	-117.229946538	33.9027883707	29	1491960
4357305E	CONCRETE	2002	PERRIS BLVD. E/S APPX. 354' S/O C/L JFK DR.	10652034	22000L	-117.226228335	33.9017707309	32	1491962
4522028E	CONCRETE	2006	PERRIS BLVD. E/S APPX. 190' S/O C/L JFK DR.	10652034	22000L	-117.226229907	33.9023412080	31	1491962
4710838E	CONCRETE	2009	GOLD STAR DR. N/S, 145' E/O LAVERDA LN	10652034	9500L	-117.227436939	33.8992762700	25	1491962
4673640E	CONCRETE	2010	PERRIS BLVD E/S, 267' N/O FILAREE AVE	10652034	22000L	-117.226191367	33.8995252284	32	1491960
4673641E	CONCRETE	2010	PERRIS BLVD E/S, 466' N/O FILAREE AVE	10652034	22000L	-117.226205302	33.9000447999	32	1491960
4673642E	CONCRETE	2010	PERRIS BLVD E/S, 670' N/O FILAREE AVE	10652034	22000L	-117.226192302	33.9006239291	32	1491960
4673643E	CONCRETE	2010	PERRIS BLVD E/S, 865' N/O FILAREE AVE	10652034	22000L	-117.226178183	33.9011617358	32	1491960
1885450E	CONCRETE	1970	MARGARET AVE S/S 600' W/O KITCHING ST.	10652037	9500L	-117.219601579	33.8995786149	29	1491962
1885451E	CONCRETE	1970	MARGARET AVE S/S 900' W/O KITCHING	10652037	9500L	-117.220453864	33.8996164531	29	1491962
1885452E	CONCRETE	1970	W/S PATRICIA ST S/S MARGARET AVE	10652037	9500L	-117.221391565	33.8995165413	29	1491962
1919607E	WOOD	1970	FILAREE ST SS 1200 EO PERRIS BLVD	10652037	9500L	-117.221907518	33.8988037788	30	1491962
1919608E	WOOD	1970	N/W CNR FILAREE AND PATRICIA	10652037	9500L	-117.221385309	33.8989011947	30	1491962
1919610E	WOOD	1970	FILAREE ST SS 150 EP PATRICIA ST	10652037	9500L	-117.220727926	33.8987871579	30	1491962
1919611E	WOOD	1970	FILAREE ST N/S 330 EO PATRICIA ST	10652037	9500L	-117.220046927	33.8988978497	30	1491962
1919612E	WOOD	1970	FILAREE ST SS 510 E/O PATRICIA ST	10652037	9500L	-117.219572734	33.8988014651	30	1491962
1919613E	WOOD	1970	FILAREE ST N/S 690 E/O PATRICIA ST	10652037	9500L	-117.219000185	33.8988975292	30	1491962
1919614E	WOOD	1970	FILAREE ST S/S 870 E/O PATRICIA ST	10652037	9500L	-117.218459161	33.8988007116	30	1491962
1885453E	CONCRETE	1970	PATRICIA ST E/S 200' N/O MARGARET AVE	10652037	9500L	-117.221270229	33.8999155543	35	1491962
1885454E	CONCRETE	1970	N/END PATRICIA ST 350' N/O MARGARET AVE	10652037	9500L	-117.221344521	33.9001675320	29	1491962
1885455E	CONCRETE	1970	N/END JOSEPHINE CRT 350' N/O MARGARET AVE	10652037	9500L	-117.219438845	33.9000739468	29	1491962
1885456E	CONCRETE	1970	N/END CANICE CRT 350' N/O MARGARET	10652037	9500L	-117.220428078	33.8999994349	29	1491962
1885457E	CONCRETE	1970	N/END RENCHER CRT 350' N/O MARGARET	10652037	9500L	-117.218515119	33.9000879543	29	1491962
1885458E	CONCRETE	1970	W/O KITCHING 200' N/O MARGARET	10652037	5800L	-117.217331129	33.9002111968	29	1491962
2352084E	CONCRETE	1985	SAN LUPE AVE, W/S, 100' N/O MARGARET AVE	10652037	9500L	-117.216806184	33.8999441325	25	1491962
2352085E	CONCRETE	1985	MARGARET AVE, S/S, COR/O SAN LUPE AVE	10652037	9500L	-117.216745718	33.8996225302	25	1491962
2358493E	CONCRETE	1987	VIA ALICIA DR W/S, 20' N/O VISTA FAMOSO DR	10652037	9500L	-117.216776265	33.8989173280	25	1491962
2315189E	CONCRETE	1985	RIO GRANDE DR, E/S, 90' N/O MARGARET AVE	10652037	9500L	-117.213594349	33.8999099712	25	1491962
2315190E	CONCRETE	1985	MARGARET AVE, S/S, COR/O RIO GRANDE DR	10652037	9500L	-117.213734996	33.8995850323	25	1491962
2315191E	CONCRETE	1985	MARGARET AVE, S/S, 185' W/O RIO GRANDE DR	10652037	9500L	-117.214384950	33.8995968608	25	1491962
2315192E	CONCRETE	1985	MARGARET AVE, N/S, 355' W/O RIO GRANDE DR	10652037	9500L	-117.214940625	33.8996981640	25	1491962
2328402E	CONCRETE	1985	MARGARET AVE, S/S, COR/O JACQUETTA AVE	10652037	9500L	-117.212680736	33.8996184725	25	1491962
2328403E	CONCRETE	1985	MARGARET AVE, S/S, 145' W/O JACQUETTA AVE	10652037	9500L	-117.213148641	33.8996151418	25	1491962
2352086E	CONCRETE	1985	MARGARET AVE, N/S, 165' E/O SAN LUPE AVE	10652037	9500L	-117.216226180	33.8997215821	25	1491962
2352087E	CONCRETE	1985	MARGARET AVE, S/S, 360' E/O SAN LUPE	10652037	9500L	-117.215558569	33.8996175077	25	1491962
2358490E	CONCRETE	1987	VISTA FAMOSO DR S/S, 490' E/O VIA ALICIA DR	10652037	9500L	-117.215110229	33.8989025574	25	1491962
2358491E	CONCRETE	1987	VISTA FAMOSO DR S/S, 165' E/O VIA ALICIA DR	10652037	9500L	-117.216241784	33.8988987983	25	1491962
2358492E	CONCRETE	1987	VISTA FAMOSO DR N/S, 325' E/O VIA ALICIA DR	10652037	9500L	-117.215668827	33.8989805489	25	1491962
2272963E	CONCRETE	1983	S/S EL GRECO DR 60 W/O ELY DR	10652037	9500L	-117.219958484	33.9033617712	30	1491962
2272964E	CONCRETE	1983	N/S EL GRECO DR 300 W/O ELY DR	10652037	9500L	-117.220789832	33.9034617856	30	1491962
2272965E	CONCRETE	1983	S/S EL GRECO DR 470 W/O ELY DR	10652037	9500L	-117.221347355	33.9033786233	30	1491962
2272966E	CONCRETE	1983	W/S REMBRANT DR 135 N/O EL GRECO DR	10652037	9500L	-117.221535561	33.9037808167	30	1491962
2272968E	CONCRETE	1983	S/S RENOIR AV 125 E/O REMBRANT	10652037	9500L	-117.221043827	33.9040845737	30	1491962
2272969E	CONCRETE	1983	N/S RENOIR AVC 15 W/O VAN GOGH AV	10652037	9500L	-117.220560162	33.9041561815	30	1491962
2272970E	CONCRETE	1983	C/O RENOIR DR AND ELY DR	10652037	9500L	-117.219841290	33.9040820758	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2297334E	CONCRETE	1984	STONEBROOK N/S 120 E/O MAGELLAN	10652037	9500L	-117.216251244	33.9034957953	25	1491962
2297335E	CONCRETE	1984	MAGELLAN DR W/S 70 N/O STONETBROOK	10652037	9500L	-117.216770365	33.9034891594	25	1491962
2301755E	CONCRETE	1984	EL GRECO N/S 30 E/O ELY DR	10652037	9500L	-117.219714753	33.9034661143	25	1491962
2301756E	CONCRETE	1984	EL GRECO S/S 240 E/O ELY DR	10652037	9500L	-117.218987925	33.9034046933	25	1491962
2301757E	CONCRETE	1984	EL GRECO S/S 420 E/O ELY DR	10652037	9500L	-117.218403360	33.9033910890	25	1491962
2301758E	CONCRETE	1984	EL GRECO E/S 170 S/O RENIOR	10652037	9500L	-117.218131411	33.9036506778	25	1491962
2301759E	CONCRETE	1984	EL GRECO E/S X/O RENIOR	10652037	9500L	-117.218113164	33.9040883769	25	1491962
2301760E	CONCRETE	1984	RENIOR S/S 70 W/O EL GRECO	10652037	9500L	-117.218604960	33.9040870051	25	1491962
2301761E	CONCRETE	1984	RENIOR N/S 255 W/O EL GRECO	10652037	9500L	-117.219357801	33.9041716557	25	1491962
2326927E	CONCRETE	1985	KITCHING ST, E/S, 840' S/O DELPHINIUM AVE	10652037	9500L	-117.217251178	33.9040985833	29	1491962
2326928E	CONCRETE	1985	KITCHING ST, E/S, 1020' S/O DELPHINIUM AVE	10652037	9500L	-117.217291639	33.9036009031	29	1491962
2326929E	CONCRETE	1985	MAGELLAN DR, E/S, 280' N/O STONEYBROOK DR	10652037	9500L	-117.216667330	33.9039876344	25	1491962
2347869E	CONCRETE	1987	ESTRELLAS LN, S/S, 95' E/O SAN LUPE AVE	10652037	9500L	-117.216525780	33.9003896236	25	1491962
2347870E	CONCRETE	1987	SAN LUPE AVE, W/S, COR/O ESTRELLAS LN	10652037	9500L	-117.216840805	33.9004366829	25	1491962
2347871E	CONCRETE	1987	SAN LUPE AVE, E/S, 230' N/O ESTRELLAS LN	10652037	9500L	-117.216676297	33.9009942504	25	1491962
2351972E	CONCRETE	1986	SAN LUPE AVE, W/S, 415' N/O LAS ESTRELLAS	10652037	9500L	-117.216781970	33.9015334290	25	1491962
2351973E	CONCRETE	1986	SAN LUPE AVE, 595' N/O LAS ESTRELLAS	10652037	9500L	-117.216671067	33.9020521314	25	1491962
2351974E	CONCRETE	1986	SAN LUPE AVE, N/S, 885' W/O RIO GRANDE DR	10652037	9500L	-117.216633868	33.9023774621	25	1491962
4057374E	CONCRETE	1989	W/S LA BRISIS, 45' S/O VANESSA CT.	10652037	9500L	-117.222524934	33.9041242064	25	1491962
4057376E	CONCRETE	1989	E/S LA BRISIS, 30' N/O EL GRECO	10652037	9500L	-117.222394490	33.9034826472	25	1491962
2297329E	CONCRETE	1984	RIO GRANDE E/S AT STONEBROOK	10652037	9500L	-117.213620453	33.9034423792	25	1491962
2297330E	CONCRETE	1984	STONEBROOK N/S 125 W/O RIO GRANDE DR	10652037	9500L	-117.214164050	33.9035123136	25	1491962
2297331E	CONCRETE	1984	STONEBROOK S/S AT DE SOTO PL	10652037	9500L	-117.214665461	33.9034045004	25	1491962
2297332E	CONCRETE	1984	STONEBROOK N/S 125 W/O DE SOTS PL	10652037	9500L	-117.215148616	33.9035130237	25	1491962
2297333E	CONCRETE	1984	STONEBROOK S/S AT EDELWEISS	10652037	9500L	-117.215792586	33.9033975479	25	1491962
2297336E	CONCRETE	1984	RIO GRANDE W/S 130 N/O STONEYBROOK	10652037	9500L	-117.213753120	33.9038382041	25	1491962
2297337E	CONCRETE	1984	VALLEY BL N/S, 849' E/O TURNBULL CANYON	10652037	9500L	-117.213604042	33.9041374268	25	1491962
2307287E	CONCRETE	1984	BASIL CT, N/S 270 W/O TARRAGON	10652037	9500L	-117.212909960	33.9042926691	25	1491962
2307291E	CONCRETE	1984	CORIANDER CT, 230 W/O TARRAGON	10652037	9500L	-117.212879074	33.9033527932	25	1491962
2315184E	CONCRETE	1985	RIO GRANDE DR, W/S, 160' S/O SAN LUPE AVE	10652037	9500L	-117.213761261	33.9017877499	25	1491962
2315185E	CONCRETE	1985	RIO GRANDE DR, E/S, 350' S/O SAN LUPE AVE	10652037	9500L	-117.213597883	33.9013191006	25	1491962
2315186E	CONCRETE	1985	RIO GRANDE DR, W/S, 155' N/O ESTRELLAS LN	10652037	9500L	-117.213758114	33.9009084048	25	1491962
2315187E	CONCRETE	1985	RIO GRANDE DR, E/S, COR/O ESTRELLAS LN	10652037	9500L	-117.213595096	33.9004727259	25	1491962
2315188E	CONCRETE	1985	ESTRELLAS LN, S/S, 100' W/O RIO GRANDE DR	10652037	9500L	-117.214149481	33.9004074812	25	1491962
2326934E	CONCRETE	1985	EDELWEISS PL, E/S, 95' N/O STONEYBROOK DR	10652037	9500L	-117.215735715	33.9036752370	25	1491962
2326935E	CONCRETE	1985	EDELWEISS PL, W/S, 275' N/O STONEYBROOK DR	10652037	9500L	-117.215844532	33.9042009336	25	1491962
2326937E	CONCRETE	1985	DE SOTO PL, E/S, 95' N/O STONEYBROOK DR	10652037	9500L	-117.214626473	33.9037102652	25	1491962
2326938E	CONCRETE	1985	DE SOTO PL, W/S, 280' N/O STONEYBROOK DR	10652037	9500L	-117.214746126	33.9041159866	25	1491962
2328413E	CONCRETE	1985	JACQUETTA AVE, W/S, 280' S/O HARRIET AVE	10652037	9500L	-117.212746096	33.9015634244	25	1491962
2328415E	CONCRETE	1985	JACQUETTA AVE, W/S, 335' N/O MARGARET AVE	10652037	9500L	-117.212756745	33.9005587567	25	1491962
2347865E	CONCRETE	1987	ESTRELLAS LN, S/S, COR/O CALLE RENFRO	10652037	9500L	-117.215750475	33.9003755715	25	1491962
2347866E	CONCRETE	1987	CALLE RENFRO, E/S, 85' N/O ESTRELLAS LN	10652037	9500L	-117.215640501	33.9007154067	25	1491962
2347867E	CONCRETE	1987	CALLE RENFRO, W/S, 265' N/O ESTRELLAS LN	10652037	9500L	-117.215745917	33.9011671700	25	1491962
2347868E	CONCRETE	1987	CALLE RENFRO, 450' N/O ESTRELLAS LN	10652037	9500L	-117.215661972	33.9016771114	25	1491962
2351975E	CONCRETE	1986	SAN LUPE AVE, S/S, 700' W/O RIO GRANDE DR	10652037	9500L	-117.215796552	33.9022557026	25	1491962
2351976E	CONCRETE	1986	SAN LUPE AVE, N/S, 500' W/O RIO GRANDE DR	10652037	9500L	-117.215099346	33.9023874909	25	1491962
2351977E	CONCRETE	1986	SAN LUPE AVE, S/S, 300' W/O RIO GRANDE DR	10652037	9500L	-117.214537976	33.9022873977	25	1491962
2351978E	CONCRETE	1986	SAN LUPE AVE, N/S, 100' W/O RIO GRANDE DR	10652037	9500L	-117.214015026	33.9023821170	25	1491962
2352088E	CONCRETE	1985	ESTRELLAS LN, S/S, COR/O MARTE CIRCLE	10652037	9500L	-117.214721354	33.9003802466	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2352089E	CONCRETE	1985	MARTE CIRCLE, W/S, 95' N/O ESTRELLAS LN	10652037	9500L	-117.214769975	33.9007487735	25	1491962
2352090E	CONCRETE	1985	MARTE CIRCLE, E/S, 270' N/O ESTRELLAS LN	10652037	9500L	-117.214654946	33.9011519318	25	1491962
2352091E	CONCRETE	1985	MARTE CIRCLE, 460' N/O ESTRELLA AVE	10652037	9500L	-117.214687861	33.9016346563	25	1491962
2362150E	CONCRETE	1987	LAS ESTRELLAS LN, N/S, 150' E/O CALLE RENFRO	10652037	9500L	-117.215181175	33.9004817024	25	1491962
2315183E	CONCRETE	1985	RIO GRANDE DR, E/S, COR/O SAN LUPE AVE	10652037	9500L	-117.213609490	33.9023093797	25	1491962
2352082E	CONCRETE	1985	KITCHING ST, E/S, 155' S/O MARGARET AVE	10652037	22000L	-117.217182475	33.8992961283	29	1491960
2352083E	CONCRETE	1985	KITCHING ST, N/E COR/O MARGARET AVE	10652037	22000L	-117.217193058	33.8997227962	29	1491960
2297323E	CONCRETE	1984	JFK DR N/S 185 E/O KITCHING	10652037	22000L	-117.216766320	33.9029223951	30	1491960
2347873E	CONCRETE	1987	KITCHING ST, E/S, S/O JFK	10652037	22000L	-117.217232770	33.9012143631	29	1491960
2351979E	CONCRETE	1986	KITCHING ST, E/S, 420' S/O JFK DR	10652037	22000L	-117.217246895	33.9017370398	29	1491960
2351980E	CONCRETE	1986	KITCHING ST, E/S, 210' S/O JFK DR	10652037	22000L	-117.217245500	33.9023243014	29	1491960
4057378E	CONCRETE	1989	N/S JFK, 155' E/O LA BRISIS	10652037	22000L	-117.222051071	33.9029078503	29	1491960
4212168E	CONCRETE	1993	JFK N/S, 190' W/O C/L KITCHING	10652037	22000L	-117.217872752	33.9029166467	28	1491960
4212169E	CONCRETE	1993	S/W C/O JFK & KITCHING	10652037	22000L	-117.217401381	33.9028368880	28	1491960
4212170E	CONCRETE	1993	JFK S/S, 291' W/O C/L KITCHING	10652037	22000L	-117.218386013	33.9028411377	28	1491960
4212171E	CONCRETE	1993	JFK S/S, 491' W/O C/L KITCHING	10652037	22000L	-117.218945953	33.9028411218	28	1491960
4212172E	CONCRETE	1993	JFK S/S, 691' W/O C/L KITCHING	10652037	22000L	-117.219613428	33.9028228863	28	1491960
4212173E	CONCRETE	1993	JFK S/S, 153' W/O C/L ELY DR.	10652037	22000L	-117.220271817	33.9028127479	28	1491960
4212174E	CONCRETE	1993	JFK S/S, 353' W/O C/L ELY DR.	10652037	22000L	-117.220967657	33.9028040487	28	1491960
4212175E	CONCRETE	1993	JFK S/S, 255' E/O C/L LA BRISIS WAY	10652037	22000L	-117.221688440	33.9028116819	28	1491960
4232672E	CONCRETE	1993	JFK N/S, 386' W/O C/L KITCHING	10652037	22000L	-117.218586708	33.9029376682	28	1491960
4232673E	CONCRETE	1993	JFK N/S, 616' W/O C/L KITCHING	10652037	22000L	-117.219351465	33.9029220097	28	1491960
4232674E	CONCRETE	1993	JFK N/S, 85' W/O C/L ELY DRIVE	10652037	22000L	-117.220002040	33.9029109917	28	1491960
4232675E	CONCRETE	1993	JFK N/S, 257' W/O C/L ELY DRIVE	10652037	22000L	-117.220656351	33.9029029209	28	1491960
4232676E	CONCRETE	1993	JFK N/S, 498' W/O C/L ELY DRIVE	10652037	22000L	-117.221406993	33.9028878856	28	1491960
2297324E	CONCRETE	1984	JFK DR N/S 390 E/O KITCHING	10652037	22000L	-117.216050644	33.9029035959	30	1491960
2297325E	CONCRETE	1984	JFK DR N/S 455 W/O RIOGRANDE	10652037	22000L	-117.215355625	33.9029227290	30	1491960
2297326E	CONCRETE	1984	JFK DR N/S 260 W/O RIOGRANDE	10652037	22000L	-117.214558279	33.9029173569	30	1491960
2297327E	CONCRETE	1984	JFK DR N/S 55 W/O RIOGRANDE	10652037	22000L	-117.213815018	33.9028986805	30	1491960
2297328E	CONCRETE	1984	JFK DR N/S 80 E/O RIOGRANDE	10652037	22000L	-117.213428668	33.9028988064	30	1491960
1885459E	CONCRETE	1970	W/S KITCHING C/O MARGARET AVE	10652037	5800L	-117.217351818	33.8997047033	29	1491962
4463474E	CONCRETE	2002	JFK S/S, 55' E/O C/L RIO GRANDE	10652037	22000L	-117.213545488	33.9028042092	32	1491960
2347872E	CONCRETE	1987	KITHCING ST, E/S, S/O JFK	10652037	22000L	-117.217225382	33.9004425268	29	1491960
2301754E	CONCRETE	1984	ELY DR E/S 30 N/O JFK	10652037	9500L	-117.219721541	33.9029549337	25	1491960
2327095E	CONCRETE	1985	MARGARET AVE, S/S, 330' W/O CAROLINA	10652040	9500L	-117.210598389	33.8996034379	25	1491962
2327096E	CONCRETE	1985	MARGARET AVE, N/S, 155' W/O CAROLINA	10652040	9500L	-117.210004578	33.8996865485	25	1491962
2327097E	CONCRETE	1985	MARGARET AVE, S/S, COR/O CAROLINA AVE	10652040	9500L	-117.209429708	33.8995933007	25	1491962
2327099E	CONCRETE	1985	CAROLINA AVE, E/S, 95' N/O MARGARET	10652040	9500L	-117.209442763	33.8999773227	25	1491962
2327100E	CONCRETE	1985	MARGARET AVE, N/S, 510' W/O CAROLINA AVE	10652040	9500L	-117.211181488	33.8996967276	25	1491962
2328401E	CONCRETE	1985	MARGARET AVE, S/S, COR/O ZHANA AVE	10652040	9500L	-117.211651600	33.8996030751	25	1491962
2328404E	CONCRETE	1985	ZHANA AVE, W/S, 95' N/O MARGARET AVE	10652040	9500L	-117.211772993	33.9000219590	25	1491962
2307259E	CONCRETE	1984	THYME PL, E.S, 75 S/O CORIANDER	10652040	9500L	-117.210939969	33.9031917351	25	1491962
2307260E	CONCRETE	1984	CORIANDER CT, N.W 235 E/O TARRAGON	10652040	9500L	-117.210928903	33.9034901597	25	1491962
2307261E	CONCRETE	1984	CORIANDER CT, S/S, E/O THYME PL	10652040	9500L	-117.210367921	33.9033802548	25	1491962
2307262E	CONCRETE	1984	CORIANDER CT, N/S, E/O DILL WEED	10652040	9500L	-117.209794741	33.9034957396	25	1491962
2307264E	CONCRETE	1984	CURRY ST, W/O DILL WEED	10652040	9500L	-117.211110170	33.9042176203	25	1491962
2307265E	CONCRETE	1984	CURRY ST, N/S, & DILL WEED	10652040	9500L	-117.210190557	33.9042748888	25	1491962
2307266E	CONCRETE	1984	CURRY ST, S/S, 180 E/O DILL WEED	10652040	9500L	-117.209660676	33.9041759683	25	1491962
2307286E	CONCRETE	1984	TARRAGON WY, E/S 40 N/O BASIL	10652040	9500L	-117.211681622	33.9042941649	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2307288E	CONCRETE	1984	BASIL CT, S/S 75 W/O TARRAGON	10652040	9500L	-117.211970650	33.9042062632	25	1491962
2307289E	CONCRETE	1984	TARRAGON WY, W/S 120 N/O CORIANDER	10652040	9500L	-117.211815279	33.9037796622	25	1491962
2307290E	CONCRETE	1984	CORIANDER CT, N/S, 195 W/O TARRAGON	10652040	9500L	-117.212365231	33.9034474825	25	1491962
2307292E	CONCRETE	1984	CORIANDER CT, S/S, & TARRAGON	10652040	9500L	-117.211715133	33.9033690172	25	1491962
2313274E	CONCRETE	1985	CAROLINA AVE, E/S, 160' S/O CHERI WY	10652040	9500L	-117.209458531	33.9007388876	25	1491962
2326835E	CONCRETE	1985	CAROLINA AVE, S/W COR/O ANNETTE AVE	10652040	9500L	-117.209576991	33.9003956239	25	1491962
2326836E	CONCRETE	1985	ANNETTE AVE, N/S, 155' E/O CHARLEE CT	10652040	9500L	-117.210065987	33.9005108717	25	1491962
2326837E	CONCRETE	1985	ANNETTE AVE, S/S, COR/O CHARLEE CT	10652040	9500L	-117.210696804	33.9004331326	25	1491962
2326838E	CONCRETE	1985	CHARLEE CT, E/S, 150' N/O ANNETTE AVE	10652040	9500L	-117.210642231	33.9008237443	25	1491962
2326839E	CONCRETE	1985	CHARLEE CT, W/S, 340' N/O ANNETTE AVE	10652040	9500L	-117.210756447	33.9012393814	25	1491962
2326840E	CONCRETE	1985	CAROLINA AVE, W/S, COR/O CHERI WY	10652040	9500L	-117.209598488	33.9010963595	25	1491962
2326841E	CONCRETE	1985	CAROLINA AVE, E/S, 170' S/O HARRIET AVE	10652040	9500L	-117.209472468	33.9018919788	25	1491962
2326843E	CONCRETE	1985	HARRIET AVE, N/S, COR/O CAROLINA AVE	10652040	9500L	-117.209569866	33.9023446296	25	1491962
2326844E	CONCRETE	1985	HARRIET AVE, N/S, 235' W/O CAROLINA AVE	10652040	9500L	-117.210244556	33.9023561732	25	1491962
2326845E	CONCRETE	1985	HARRIET AVE, S/S, COR/O THYME PL	10652040	9500L	-117.210989871	33.9022916723	25	1491962
2326846E	CONCRETE	1985	THYME PL, W/S, COR/O JFK	10652040	9500L	-117.211069432	33.9028114016	25	1491962
2326847E	CONCRETE	1985	JFK DR, S/S, 290' W/O LASSELLE ST	10652040	9500L	-117.209795451	33.9028563037	29	1491962
2328405E	CONCRETE	1985	ANNETTE AVE, S/S, 95' E/O ZHANA AVE	10652040	9500L	-117.211288010	33.9004215376	25	1491962
2328406E	CONCRETE	1985	ZHANA AVE, W/S, COR/O ANNETTE AVE	10652040	9500L	-117.211615086	33.9004138658	25	1491962
2328407E	CONCRETE	1985	ZHANA AVE, W/S, 160' N/O ANNETTE AVE	10652040	9500L	-117.211761764	33.9008851321	25	1491962
2328408E	CONCRETE	1985	ZHANA AVE, E/S, 340' S/O HARRIET AVE	10652040	9500L	-117.211636279	33.9013636337	25	1491962
2328409E	CONCRETE	1985	ZHANA AVE, W/S, 155' S/O HARRIET AVE	10652040	9500L	-117.211756326	33.9019204438	25	1491962
2328410E	CONCRETE	1985	HARRIET AVE, N/S, COR/O ZHANA AVE	10652040	9500L	-117.211708689	33.9023736576	25	1491962
2328411E	CONCRETE	1985	HARRIET AVE, N/S, 100' E/O JACQUETTA AVE	10652040	9500L	-117.212375043	33.9023648094	25	1491962
2328412E	CONCRETE	1985	JACQUETTA AVE, S/E COR/O HARRIET AVE	10652040	9500L	-117.212693631	33.9022884513	25	1491962
2328414E	CONCRETE	1985	JACQUETTA AVE, E/S, 570' S/O HARRIET AVE	10652040	9500L	-117.212645935	33.9010256696	25	1491962
2328416E	CONCRETE	1985	JACQUETTA AVE, E/S, 155' N/O MARGARET AVE	10652040	9500L	-117.212634565	33.9000462672	25	1491962
2307295E	CONCRETE	1984	JFK DR, N/W COR & THYME	10652040	22000L	-117.211086189	33.9029360761	29	1491960
2307294E	CONCRETE	1984	JFK DR, N/S, 270 W/O THYME	10652040	22000L	-117.211979055	33.9029411010	29	1491960
2307298E	CONCRETE	1984	LASSELLE ST, W/O 440 N/O JFK DR	10652040	22000L	-117.208971875	33.9040971971	29	1491960
2326833E	CONCRETE	1985	LASSELLE ST, W/S, 240' S/O CHERI WY	10652040	22000L	-117.208946889	33.9004227822	29	1491960
2326834E	CONCRETE	1985	LASSELLE ST, W/S, COR/O CHERI WY	10652040	22000L	-117.208983425	33.9011439822	29	1491960
2326842E	CONCRETE	1985	LASSELLE ST, W/S, 225' S/O JFK	10652040	22000L	-117.208984319	33.9022027916	29	1491960
4299283E	CONCRETE	1996	DILL WEED W/S 150' N/O CORIANDER	10652040	9500L	-117.210262383	33.9038212257	23	1491962
4348516E	CONCRETE	1998	CABALLO RD S/S, 100' W/O C/L CABALLO RD	10652040	9500L	-117.207473719	33.8990218728	27	1491962
2307296E	CONCRETE	1984	JFK DR, N/S, 150 E/O THYME	10652040	22000L	-117.210516157	33.9029536450	29	1491960
44317145E	CONCRETE	2002	LASSELLE E/S, 345' S/O C/L JFK	10652040	22000L	-117.208854625	33.9018337204	32	1491960
4437142E	CONCRETE	2002	LASSELLE E/S, 937' S/O C/L JFK	10652040	22000L	-117.208843215	33.9002014802	32	1491960
4437143E	CONCRETE	2002	LASSELLE E/S, 755' S/O C/L JFK	10652040	22000L	-117.208825971	33.9007292312	32	1491960
4437144E	CONCRETE	2002	LASSELLE E/S, 545' S/O C/L JFK	10652040	22000L	-117.208845086	33.9012677034	32	1491960
4437147E	CONCRETE	2002	JFK S/S, 92' E/O C/L LASSELLE	10652040	22000L	-117.208647958	33.9028838793	32	1491960
4437148E	CONCRETE	2002	JFK S/S, E/O C/L LASSELLE	10652040	22000L	-117.207960623	33.9028740580	32	1491960
4437149E	CONCRETE	2002	JFK S/S, 509' E/O C/L LASSELLE	10652040	22000L	-117.207213570	33.9029008144	32	1491960
4564663E	CONCRETE	2004	ENCANTADOR RD S/S, 216' E/O C/L CAMINO LARGO	10652040	9500L	-117.203048576	33.8990825360	27	1491962
4524092E	CONCRETE	2004	E/S LASSELLE, 1320' N/O GENTIAN	10652040	22000L	-117.208791408	33.8991865137	31	1491960
4564659E	CONCRETE	2004	ENCANTADOR RD S/S, 45' W/O C/L CALLE CAMELI	10652040	9500L	-117.204701383	33.8990725000	27	1491962
4564660E	CONCRETE	2004	ENCANTADOR RD N/S, 273' W/O C/L CALLE CAME	10652040	9500L	-117.205502943	33.8990753705	27	1491962
4564662E	CONCRETE	2005	ENCANTADOR RD N/S, 44' W/O C/L CAMINO LARGO	10652040	9500L	-117.203870760	33.8992008125	27	1491962
2328424E	CONCRETE	1985	JOHN F KENNEDY, S/S, 1800' E/O KITCHING	10652040	22000L	-117.211589834	33.9028395567	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4546281E	CONCRETE	2004	CASA ENCANTADOR N/S, 85' N/O AVENIDA DE PO	10652043	9500L	-117.201067227	33.8991118389	27	1491962
4564664E	CONCRETE	2004	ENCANTADOR RD N/S, 436' E/O C/L CAMINO LAR	10652043	9500L	-117.202293914	33.8991594958	27	1491962
4112002E	CONCRETE	1989	S/S JFK, 886' W/O MORENO BEACH	10652049	9500L	-117.179389364	33.9027357817	25	1491962
4112003E	CONCRETE	1989	S/S JFK, 1306' W/O MORENO BEACH	10652049	9500L	-117.179973189	33.9027453553	25	1491962
4112004E	CONCRETE	1989	S/S JFK, 1726' W/O MORENO BEACH	10652049	9500L	-117.180560667	33.9027432419	25	1491962
4112005E	CONCRETE	1989	S/S JFK, 2138' W/O MORENO BEACH	10652049	9500L	-117.181373735	33.9027211398	25	1491962
4112011E	CONCRETE	1989	E/S OLIVER, 1795' N/O IRIS	10652049	9500L	-117.182534488	33.9003796551	25	1491962
4112012E	CONCRETE	1989	E/S OLIVER, 2220' N/O IRIS	10652049	9500L	-117.182523807	33.9016120257	25	1491962
4112001E	CONCRETE	1989	S/S JFK, 516' W/O MORENO BEACH	10652049	9500L	-117.175655576	33.9026989534	25	1491962
4064323E	CONCRETE	1989	E/S MORENO BEACH, 1875' S/O CACTUS	10652049	22000L	-117.173933413	33.9049157884	29	1491960
4064324E	CONCRETE	1989	E/S MORENO BEACH, 2075' S/O CACTUS	10652049	22000L	-117.173927704	33.9044475304	29	1491960
4064325E	CONCRETE	1989	E/S MORENO BEACH, 2275' S/O CACTUS	10652049	22000L	-117.173912865	33.9038763994	29	1491960
4064326E	CONCRETE	1989	E/S MORENO BEACH, 2475' S/O CACTUS	10652049	22000L	-117.173913803	33.9033275296	29	1491960
4064329E	CONCRETE	1989	W/S MORENO BEACH, 2929' S/O CACTUS	10652049	22000L	-117.174063071	33.9017788469	29	1491960
4064330E	CONCRETE	1989	E/S MORENO BEACH, 2929' S/O CACTUS	10652049	22000L	-117.173906175	33.9017807113	29	1491960
4064331E	CONCRETE	1989	E/S MORENO BEACH, 3134' S/O CACTUS	10652049	22000L	-117.173901889	33.9012176208	29	1491960
4064332E	CONCRETE	1989	W/S MORENO BEACH, 3134' S/O CACTUS	10652049	22000L	-117.174057528	33.9013335073	29	1491960
4064333E	CONCRETE	1989	E/S MORENO BEACH, 3283' S/O CACTUS	10652049	22000L	-117.173911484	33.9007328323	29	1491960
4064334E	CONCRETE	1989	W/S MORENO BEACH, 3283' S/O CACTUS	10652049	22000L	-117.174053045	33.9008296258	29	1491960
4064335E	CONCRETE	1989	E/S MORENO BEACH, 3531' S/O CACTUS	10652049	22000L	-117.173887636	33.9002014073	29	1491960
4064336E	CONCRETE	1989	W/S MORENO BEACH, 3531' S/O CACTUS	10652049	22000L	-117.174066389	33.9002638642	29	1491960
4064337E	CONCRETE	1989	W/S MORENO BEACH, 3730' S/O CACTUS	10652049	22000L	-117.174048719	33.8997628339	29	1491960
4529605E	CONCRETE	2006	E/S MORENO BEACH, 3738' S/O CACTUS	10652049	22000L	-117.173917617	33.8997304677	32	1491960
4481287E	CONCRETE	2002	RANCHO BAJA N/S, 242' E/O C/L LA PALMA WAY	10652049	9500L	-117.177623896	33.8995781393	27	1491960
4481288E	CONCRETE	2002	LA PALMA WAY W/S, 10' N/O C/L RANCHO BAJA	10652049	9500L	-117.178462542	33.8997837658	27	1491960
4481289E	CONCRETE	2002	LA PALMA WAY W/S, 90' S/O C/L VIA DE LA REAL	10652049	9500L	-117.178380353	33.9002001426	27	1491960
4481290E	CONCRETE	2002	VIA DE LA REAL S/S, 185' W/O C/L LA PALMA WAY	10652049	9500L	-117.178854652	33.9005784272	27	1491960
4481291E	CONCRETE	2002	VIA DE LA REAL N/S, 30' E/O C/L LA PALMA WAY	10652049	9500L	-117.178098885	33.9005264298	27	1491960
4481292E	CONCRETE	2002	VIA DE LA REAL N/S, 154' E/O C/L LA PALMA WAY	10652049	9500L	-117.177699925	33.9004462212	27	1491960
4481293E	CONCRETE	2002	VIA DE LA REAL S/S, 212' W/O C/L ADOBE WAY	10652049	9500L	-117.176920566	33.9001926999	27	1491960
4481294E	CONCRETE	2002	VIA DE LA REAL N/S, 7' E/O C/L ADOBE WAY	10652049	9500L	-117.176255012	33.9003025519	27	1491960
4481295E	CONCRETE	2002	VIA DE LA REAL S/S, 202' E/O C/L ADOBE WAY	10652049	9500L	-117.175629980	33.9002330668	27	1491960
4481296E	CONCRETE	2002	VIA DE LA REAL N/S, 389' E/O C/L ADOBE WAY	10652049	9500L	-117.175007609	33.9003317937	27	1491960
4481297E	CONCRETE	2002	ADOBE WAY E/S, 174' S/O C/L VIA DE LA REAL	10652049	9500L	-117.176397369	33.8997235175	27	1491960
4564909E	CONCRETE	2004	LEGENDARY DR W/S, 748' N/O AUTUMN CIR	10652049	9500L	-117.180422642	33.9001373260	27	1491962
4564913E	CONCRETE	2004	LEGENDARY DR W/S, 3' N/O VIA DE LA REAL	10652049	9500L	-117.179654934	33.9012104884	27	1491962
4564914E	CONCRETE	2004	VIA DE LA REAL S/S, 133' E/O LEGENDARY DR	10652049	9500L	-117.179292219	33.9009017595	27	1491962
4564915E	CONCRETE	2004	LEGENDARY DR W/S, 89' S/O VIA SONATA	10652049	9500L	-117.179147486	33.9017202775	27	1491962
4564916E	CONCRETE	2004	VIA SONATA S/S, 1009' W/O VIA ENTRADA	10652049	9500L	-117.178461864	33.9018358310	27	1491962
4564917E	CONCRETE	2004	VIA SONATA S/S, 834' W/O VIA ENTRADA	10652049	9500L	-117.177838933	33.9018519513	27	1491962
4564918E	CONCRETE	2004	VIA SONATA S/S, 650' W/O VIA ENTRADA	10652049	9500L	-117.177251348	33.9018576027	27	1491962
4564919E	CONCRETE	2004	VIA SONATA S/S, 414' W/O VIA ENTRADA	10652049	9500L	-117.176456208	33.9018718972	27	1491962
4564920E	CONCRETE	2004	VIA SONATA S/S, 174' W/O VIA ENTRADA	10652049	9500L	-117.175660939	33.9018812736	27	1491962
4564921E	CONCRETE	2004	VIA ENTRADA E/S, 173' N/O VIA SONATA	10652049	9500L	-117.175021985	33.9024186747	27	1491962
4564922E	CONCRETE	2004	VIA SONATA S/S, 90' E/O VIA ENTRADA	10652049	9500L	-117.174830583	33.9019109354	27	1491962
4564923E	CONCRETE	2004	LA CASA DR E/S, 40' S/O VIA SONATA	10652049	9500L	-117.174385007	33.9019546637	27	1491962
4112006E	CONCRETE	1989	S/S JFK, 2560' W/O MORENO BEACH	10652049	9500L	-117.182358555	33.9027156511	25	1491962
4057353E	CONCRETE	1989	N/S CHAMPIONSHIP, 2702' S/O J.F.K.	10652052	9500L	-117.167661133	33.8997822849	25	1491962
4057354E	CONCRETE	1989	S/S CHAMPIONSHIP, 2497' S/O J.F.K.	10652052	9500L	-117.167236273	33.8998160288	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4057355E	CONCRETE	1989	N/S CHAMPIONSHIP, 2296' S/O J.F.K.	10652052	9500L	-117.166795387	33.9001870955	25	1491962
4057313E	CONCRETE	1989	S/S J.F. KENNEDY, 330' E/O MORENO BEACH	10652052	9500L	-117.172830850	33.9027114754	25	1491962
4057314E	CONCRETE	1989	S/S J.F.K., 730' E/O MORENO BEACH	10652052	9500L	-117.171585037	33.9027273990	25	1491962
4057315E	CONCRETE	1989	N/S J.F.K., 530' E/O MORENO BEACH	10652052	9500L	-117.172188327	33.9028085900	25	1491962
4057316E	CONCRETE	1989	N/S J.F.K., 923' E/O MORENO BEACH	10652052	9500L	-117.170916426	33.9028375544	25	1491962
4057317E	CONCRETE	1989	S/S J.F.K., 1123' E/O MORENO BEACH	10652052	9500L	-117.170247232	33.9028242107	25	1491962
4057318E	CONCRETE	1989	N/S J.F.K., 1360' E/O MORENO BEACH	10652052	9500L	-117.169603744	33.9030689427	25	1491962
4057319E	CONCRETE	1989	S/S J.F.K., 1510' E/O MORENO BEACH	10652052	9500L	-117.169014789	33.9032434162	25	1491962
4057320E	CONCRETE	1989	N/S J.F.K., 1712' E/O MORENO BEACH	10652052	9500L	-117.168646816	33.9035256101	25	1491962
4057321E	CONCRETE	1989	S/S J.F.K., 1912' E/O MORENO BEACH	10652052	9500L	-117.168069737	33.9036796577	25	1491962
4057322E	CONCRETE	1989	N/S J.F.K., 2116' E/O MORENO BEACH	10652052	9500L	-117.167630321	33.9040378240	25	1491962
4162251E	CONCRETE	1994	FOREST OAKS WAY N/S, 400' S/O C/L CHAMPIONS	10652052	9500L	-117.166760911	33.9021545323	25	1491962
4162252E	CONCRETE	1994	FOREST OAKS WAY S/S, 733' S/O C/L CHAMPIONS	10652052	9500L	-117.167113239	33.9018313804	25	1491962
4162253E	CONCRETE	1994	FOREST OAKS DR. N/S, 1145' S/O CHAMPIONSHIP	10652052	9500L	-117.167705937	33.9017048585	25	1491962
4057323E	CONCRETE	1989	S/S J.F.K., 2312' E/O MORENO BEACH	10652052	9500L	-117.167044935	33.9041748440	25	1491962
4057324E	CONCRETE	1989	N/S J.F.K., 2512' E/O MORENO BEACH	10652052	9500L	-117.166662581	33.9044694822	25	1491962
4057325E	CONCRETE	1989	S/S J.F.K., 2712' E/O MORENO BEACH	10652052	9500L	-117.165824312	33.9047572146	25	1491962
4057327E	CONCRETE	1989	S/S J.F.K., 3112' E/O MORENO BEACH	10652052	9500L	-117.164932864	33.9051260244	25	1491962
4057356E	CONCRETE	1989	S/S CHAMPIONSHIP, 2095' S/O J.F.K.	10652052	9500L	-117.166098703	33.9003550636	25	1491962
4057357E	CONCRETE	1989	W/S CHAMPIONSHIP, 1903' S/O J.F.K.	10652052	9500L	-117.165644992	33.9007718760	25	1491962
4057358E	CONCRETE	1989	E/S CHAMPIONSHIP, 1702' S/O J.F.K.	10652052	9500L	-117.165030628	33.9009671729	25	1491962
4057359E	CONCRETE	1989	W/S CHAMPIONSHIP, 1487' S/O J.F.K.	10652052	9500L	-117.164539248	33.9014247207	25	1491962
4057360E	CONCRETE	1989	E/S CHAMPIONSHIP, 1290' S/O J.F.K.	10652052	9500L	-117.163939157	33.9017960613	25	1491962
4057361E	CONCRETE	1989	W/S CHAMPIONSHIP, 1090' S/O J.F.K.	10652052	9500L	-117.163804004	33.9022893542	25	1491962
4057362E	CONCRETE	1989	E/S CHAMPIONSHIP, 857' S/O J.F.K.	10652052	9500L	-117.163542045	33.9031016962	25	1491962
4057363E	CONCRETE	1989	W/S CHAMPIONSHIP, 582' S/O J.F.K.	10652052	9500L	-117.163909262	33.9038073515	25	1491962
4057364E	CONCRETE	1989	E/S CHAMPIONSHIP, 464' S/O J.F.K.	10652052	9500L	-117.163987904	33.9041478800	25	1491962
4057365E	CONCRETE	1989	W/S CHAMPIONSHIP, 265' S/O J.F.K.	10652052	9500L	-117.164507104	33.9045449243	25	1491962
4230237E	CONCRETE	1994	FOREST OAKS WY S/S, 50' E/O C/L CHAMPIONSHIP	10652052	9500L	-117.163624988	33.9037051264	25	1491962
4230241E	CONCRETE	1994	AUGUSTA WY E/S, 90' S/O C/L DORAL WY	10652052	9500L	-117.163531214	33.9026486973	25	1491962
4230243E	CONCRETE	1994	DORAL WY S/S, 40' E/O C/L CHAMPIONSHIP DR.	10652052	9500L	-117.163375239	33.9028421203	25	1491962
4230609E	CONCRETE	1992	S/S FOREST OAKES 160' W/O C/L CHAMPIONSHIP	10652052	9500L	-117.164262792	33.9035383516	25	1491962
4230610E	CONCRETE	1992	N/S FOREST OAKES 366 W/O CHAMPIONSHIP	10652052	9500L	-117.164946103	33.9032926309	25	1491962
4230611E	CONCRETE	1992	FOREST OAKES WY 600' W/O CHAMPIONSHIP	10652052	9500L	-117.165478671	33.9029632875	25	1491962
4230612E	CONCRETE	1992	N/S FOREST OAKES WY 700' W/O CHAMPIONSHIP	10652052	9500L	-117.165859592	33.9027003432	25	1491962
4230613E	CONCRETE	1992	S/S FOREST OAKES WY 875' W/O CHAMPIONSHIP	10652052	9500L	-117.166195812	33.9023623417	25	1491962
4411522E	CONCRETE	2002	STEPHENSON ST E/S, 275' N/O C/L JOHN F. KENNEDY DR	10652052	9500L	-117.171845754	33.9034475841	27	1491962
4411523E	CONCRETE	2002	STEPHENSON ST W/S, 480' N/O C/L JOHN F. KENNEDY DR	10652052	9500L	-117.171901066	33.9040022827	27	1491962
4411524E	CONCRETE	2002	STEPHENSON ST E/S, 687' N/O C/L JOHN F. KENNEDY DR	10652052	9500L	-117.172202786	33.9044837053	27	1491962
4411525E	CONCRETE	2002	STEPHENSON ST W/S, 875' N/O C/L JOHN F. KENNEDY DR	10652052	9500L	-117.172242661	33.9049763659	27	1491962
4405976E	CONCRETE	2002	PETE DYE ST W/S, 60' N/O JOHN F. KENNEDY DR	10652052	9500L	-117.169429690	33.9032266298	27	1491962
4405977E	CONCRETE	2002	PETE DYE ST W/S, 220' N/O JOHN F. KENNEDY DR	10652052	9500L	-117.169495683	33.9036420962	27	1491962
4405978E	CONCRETE	2002	PETE DYE ST W/S, 460' N/O JOHN F. KENNEDY DR	10652052	9500L	-117.169600206	33.9042103176	27	1491962
4405979E	CONCRETE	2002	PETE DYE ST W/S, 600' N/O JOHN F. KENNEDY DR	10652052	9500L	-117.169682702	33.9047396937	27	1491962
4485776E	CONCRETE	2002	PINE VALLEY CIR, ON CUL DE SAC	10652052	9500L	-117.166279037	33.9029442185	27	1491962
4485777E	CONCRETE	2002	PINE VALLEY CIR W/S, 147' S/O EAGLE ST	10652052	9500L	-117.166623868	33.9031951512	27	1491962
4485779E	CONCRETE	2002	TITANIUM CIR, ON CUL DE SAC	10652052	9500L	-117.165604631	33.9035172820	27	1491962
4485780E	CONCRETE	2002	TITANIUM CIR E/S, 140' S/O EAGLE ST	10652052	9500L	-117.165699792	33.9038122271	27	1491962
4485781E	CONCRETE	2002	EAGLE ST N/S, 39' E/O TITANIUM CIR	10652052	9500L	-117.165928913	33.9041531991	27	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4485782E	CONCRETE	2002	FAIRWAY CIR, ON CUL DE SAC	10652052	9500L	-117.164624227	33.9038343339	27	1491962
4485783E	CONCRETE	2002	FAIRWAY CIR W/S, 145' S/O EAGLE ST	10652052	9500L	-117.164974920	33.9041756232	27	1491962
4485784E	CONCRETE	2002	EAGLE ST N/S, 9' E/O FAIRWAY CIR	10652052	9500L	-117.165200672	33.9045131882	27	1491962
4485785E	CONCRETE	2002	EAGLE ST S/S, 44' W/O CHAMPIONSHIP DR	10652052	9500L	-117.164721699	33.9046345284	27	1491962
4484546E	CONCRETE	2002	EAGLE ST S/S, 251' E/O BAY HILL DR	10652052	9500L	-117.168188814	33.9027496559	27	1491962
4484547E	CONCRETE	2002	EAGLE ST N/S, 16' E/O BIRDIE ST	10652052	9500L	-117.167664528	33.9030739842	27	1491962
4484548E	CONCRETE	2002	BIRDIE ST W/S, 146' S/O EAGLE ST	10652052	9500L	-117.167371794	33.9027172792	27	1491962
4484549E	CONCRETE	2002	BIRDIE ST E/S, 281' S/O EAGLE ST	10652052	9500L	-117.167541387	33.9024081524	27	1491962
4484550E	CONCRETE	2002	BIRDIE ST N/S, 204' E/O BAY HILL DR	10652052	9500L	-117.168010339	33.9023575792	27	1491962
4484875E	CONCRETE	2002	EAGLE ST N/S, 33' W/O PINE VALLEY CIRCLE	10652052	9500L	-117.166919045	33.9035220722	27	1491962
4485770E	CONCRETE	2002	BAY HILL DR W/S, 59' S/O JOHN F. KENNEDY DR	10652052	9500L	-117.169311538	33.9029881237	27	1491962
4485771E	CONCRETE	2002	BAY HILL DR W/S, 46' N/O EAGLE ST	10652052	9500L	-117.169196219	33.9026441038	27	1491962
4485772E	CONCRETE	2002	BAY HILL DR E/S, 163' S/O EAGLE ST	10652052	9500L	-117.168806812	33.9022408637	27	1491962
4485773E	CONCRETE	2002	BAY HILL DR W/S, 22' N/O BIRDIE ST	10652052	9500L	-117.168418649	33.9020711872	27	1491962
4463812E	CONCRETE	2003	STEPHENSON ST N/E COR JOHN F KENNEDY	10652052	9500L	-117.171504400	33.9028431947	27	1491962
4515536E	CONCRETE	2004	SOMERSET DR S/S, 39' W/O HAMPSHIRE CIR	10652052	9500L	-117.163634914	33.9050214486	27	1491962
4515535E	CONCRETE	2004	HAMPSHIRE CIR E/S, 197' S/O SOMERSET DR	10652052	9500L	-117.163224346	33.9046926368	27	1491962
4515537E	CONCRETE	2004	SOMERSET DR S/S, 242' W/O HAMPSHIRE CIR	10652052	9500L	-117.164146109	33.9048940828	27	1491962
4230238E	CONCRETE	1994	FOREST OAKS WY S/S, 220' W/O C/L AUGUSTA WY	10652055	9500L	-117.162951467	33.9037420845	25	1491962
4230239E	CONCRETE	1994	AUGUSTA WY E/S, 40' S/O C/L FOREST OAKS WY	10652055	9500L	-117.162169724	33.9035797232	25	1491962
4230240E	CONCRETE	1994	AUGUSTA WY E/S, 90' N/O C/L DORAL WY	10652055	9500L	-117.162394884	33.9031606270	25	1491962
4230242E	CONCRETE	1994	DORAL WY N/S, 100' W/O C/L AUGUSTA WY	10652055	9500L	-117.162872351	33.9029525319	25	1491962
4478594E	CONCRETE	2003	RYDER WY W/S, 162' N/O FOREST OAKS WY	10652055	9500L	-117.162237616	33.9041131923	27	1491962
4515533E	CONCRETE	2004	RYDER WY E/S, 183' S/O SOMERSET DR	10652055	9500L	-117.162272654	33.9048590537	27	1491962
4564947E	CONCRETE	2004	PROVINCE CIR E/S, 336' S/O SOMERSET DR	10652055	9500L	-117.160543243	33.9051833067	27	1491962
4564948E	CONCRETE	2004	PROVINCE CIR W/S, 494' S/O SOMERSET DR	10652055	9500L	-117.160455584	33.9047535588	27	1491962
4564949E	CONCRETE	2004	NORFOLK CIR W/S, 178' S/O SOMERSET DR	10652055	9500L	-117.161664184	33.9050900074	27	1491962
4564950E	CONCRETE	2004	NORFOLK CIR E/S, 375' S/O SOMERSET DR	10652055	9500L	-117.161411185	33.9047826195	27	1491962
2352412E	CONCRETE	1989	LAVENDER LN, W/S, COR/O MEADOW BRZE	10672028	9500L	-117.243125876	33.9049881529	25	1491962
2352413E	CONCRETE	1989	LAVENDER LN, E/S, 230' S/O MEADOW BRZE	10672028	9500L	-117.242917957	33.9043593073	25	1491962
2352414E	CONCRETE	1989	LAVENDER LN, W/S, 185' N/O SUN VALLEY RD	10672028	9500L	-117.243093728	33.9038476077	25	1491962
2352421E	CONCRETE	1989	MEADOW BRZE, E/S, 140' E/O LAVENDER LN	10672028	9500L	-117.242552159	33.9049959037	25	1491962
2352287E	CONCRETE	1989	UNITY CT, W/S, 125' N/O DELPHINIUM AVE	10672028	9500L	-117.242944129	33.9067692286	25	1491962
2352288E	CONCRETE	1989	UNITY CT, W/S, 40' S/O HAMBY CT	10672028	9500L	-117.242763647	33.9071614874	25	1491962
2352289E	CONCRETE	1989	HAMBY CT, N/S, 130' W/O UNITY CT	10672028	9500L	-117.242828855	33.9075799085	25	1491962
2352294E	CONCRETE	1989	CAGNEY CT, W/S, 400' W/O UNITY CT	10672028	9500L	-117.242753438	33.9087992257	25	1491962
2352402E	CONCRETE	1989	CAGNEY CT, S/S, 215' W/O UNITY CT	10672028	9500L	-117.242869186	33.9082582232	25	1491962
2352411E	CONCRETE	1989	LAVENDER LN, E/S, 200' N/O MEADOW BRZE	10672028	9500L	-117.243005041	33.9055338606	25	1491962
2352407E	CONCRETE	1989	HEACOCK AVE, E/S, 520' S/O DELPHINIUM	10672028	22000L	-117.243559874	33.9050418171	29	1491960
2352408E	CONCRETE	1989	HEACOCK AVE, E/S, 440' N/O J.F.K	10672028	22000L	-117.243542913	33.9039240837	29	1491960
2344116E	CONCRETE	1989	HEACOCK AVE, E/S, 470' N/O DELPHINIUM	10672028	22000L	-117.243553592	33.9077292851	29	1491960
2344117E	CONCRETE	1989	HEACOCK AVE, E/S, 140' S/O DELPHINIUM	10672028	22000L	-117.243572801	33.9061431899	29	1491960
2352405E	CONCRETE	1989	HEACOCK AVE, N/E COR/O DELPHINIUM	10672028	22000L	-117.243560125	33.9064969645	29	1491960
2014333E	CONCRETE	1973	S/S GLENCREST 20' W/O JUSTIN PL EXT	10672031	5800L	-117.236782744	33.9085759753	25	1491962
2014334E	CONCRETE	1973	W/S JUSTIN PL 150' N/O GLENCREST	10672031	5800L	-117.236844563	33.9089990082	25	1491962
2014336E	CONCRETE	1973	N/S GLENCREST 250' W/O JUSTIN PL	10672031	5800L	-117.237430550	33.9086417606	25	1491962
2014337E	CONCRETE	1973	S/S GLENCREST 40' W/O CORDON PL EXT	10672031	5800L	-117.238278356	33.9085664200	25	1491962
2014338E	CONCRETE	1973	W/S CORDON PL 150' N/O GLENCREST	10672031	5800L	-117.238267933	33.9090182745	25	1491962
2014340E	CONCRETE	1973	W/S PERHAM DR 20' N/O GLENCREST EXT	10672031	5800L	-117.239024695	33.9084044503	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2014341E	CONCRETE	1973	E/S PERHAM DR 380' S/O CACTUS AVE	10672031	5800L	-117.238944464	33.9089746511	25	1491962
2106210E	CONCRETE	1977	JANET KAY DR E/END OF BOGUE ST	10672031	5800L	-117.237458330	33.9078975261	25	1491962
2106211E	CONCRETE	1977	JANET KAY DR N/S 170 W/O BOGUE ST	10672031	5800L	-117.238102030	33.9080036212	25	1491962
2106212E	CONCRETE	1977	PERHAM DR W/S 120 S/O JANET KAY DR	10672031	5800L	-117.239004979	33.9074805182	25	1491962
2106213E	CONCRETE	1977	PERHAM DR W/S W/END OF JANET KAY DR	10672031	5800L	-117.239047150	33.9079602085	25	1491962
2135476E	CONCRETE	1978	DELPHINIUM N/S 600' W/O INDIAN	10672031	5800L	-117.236799929	33.9065281867	25	1491962
2135477E	CONCRETE	1978	DELPHINIUM N/S 800' W/O INDIAN	10672031	5800L	-117.237432916	33.9065115148	25	1491962
2135478E	CONCRETE	1978	DELPHINIUM N/S 100' E/O WILMA SUE	10672031	5800L	-117.237839801	33.9065207455	25	1491962
2135480E	CONCRETE	1978	WILMA SUE DR, E/S 160' N/O DELPHINIUM	10672031	5800L	-117.238126311	33.9069000171	25	1491962
2135481E	CONCRETE	1978	WILMA SUE DR, W/S 470' N/O DELPHINIUM	10672031	5800L	-117.238285120	33.9077382167	25	1491962
2135482E	CONCRETE	1978	S/E C/O DELPHINIUM & PERHAM DR	10672031	5800L	-117.238891831	33.9064188204	25	1491962
2135483E	CONCRETE	1978	PERHAM DR E/S 200' N/O DELPHINIUM	10672031	5800L	-117.238928265	33.9070085921	25	1491962
2135488E	CONCRETE	1978	JANET KAY S/S 130' W/O CLAUDINE ST	10672031	5800L	-117.236759808	33.9078908417	25	1491962
2135490E	CONCRETE	1978	CLAUDINE ST W/S 100' S/O JANET KAY DR	10672031	5800L	-117.236414098	33.9076181067	25	1491962
2182492E	CONCRETE	1980	N/S BLUEGRASS C/O BLUEBERRY RD	10672031	5800L	-117.236698748	33.9057197951	25	1491962
2182493E	CONCRETE	1980	N/S BLUEGRASS 130' E/O BLUEBERRY RD	10672031	5800L	-117.236249047	33.9057241559	25	1491962
2014331E	CONCRETE	1973	N/S GLENCREST DR 200' W/O INDIAN ST	10672031	5800L	-117.235526324	33.9086754367	25	1491962
2014332E	CONCRETE	1957	GLENCREST DR S/S EAST OF INDIAN AV	10672031	5800L	-117.235973389	33.9085827182	30	1491962
2135475E	CONCRETE	1978	DELPHINIUM N/S, 200' W/O INDIAN ST	10672031	5800L	-117.235472091	33.9065495255	25	1491962
2135484E	CONCRETE	1978	CARLA JEAN E/S 100' N/O DELPHINIUM	10672031	5800L	-117.235473128	33.9067347359	25	1491962
2135485E	CONCRETE	1978	CARLA JEAN W/S 280' N/O DELPHINIUM	10672031	5800L	-117.235614896	33.9071798180	25	1491962
2135486E	CONCRETE	1978	N/E COR/O CARLA JEAN & JANET KAY DR.	10672031	5800L	-117.235498436	33.9079672656	25	1491962
2135487E	CONCRETE	1978	JANET KAY N/END/O CLAUDINE ST.	10672031	5800L	-117.236378908	33.9079757370	25	1491962
2135489E	CONCRETE	1978	CLAUDINE E/S 180' N/O DELPHINIUM	10672031	5800L	-117.236263390	33.9069525937	25	1491962
2207240E	CONCRETE	1980	W/S BLUEBERRY RD 420' N/O CLIFFROSE CT	10672031	9500L	-117.236759085	33.9045780901	25	1491962
2286943E	CONCRETE	1984	PERHAM DR W/S COR/O COMFORT CT	10672031	9500L	-117.238203101	33.9045648239	25	1491962
2286944E	CONCRETE	1984	COMFORT CT S/S 130 E/O PERHAM	10672031	9500L	-117.237788910	33.9047198073	25	1491962
2286945E	CONCRETE	1984	PERHAM DR W/S 180 N/O COMFORT CT	10672031	9500L	-117.238505965	33.9048962946	25	1491962
2286946E	CONCRETE	1984	PERHAM DR W/S COR/O BLUEGRASS ST	10672031	9500L	-117.238907788	33.9054697510	25	1491962
2286947E	CONCRETE	1984	BLUEGRASS ST S/S 170 E/O PERHAM DR	10672031	9500L	-117.238362619	33.9055747176	25	1491962
2352201E	CONCRETE	1986	DRESSIN DR, S/S, 100' E/O SPINNAKER LN	10672031	9500L	-117.240919687	33.9039853723	25	1491962
2352202E	CONCRETE	1957	W/S BRIANA, S/O DRESSIN	10672031	9500L	-117.238763222	33.9040314159	26	1491962
2352203E	CONCRETE	1957	W/S KENNEBEC CT N/O DRESSIN DR	10672031	9500L	-117.240970259	33.9054303153	25	1491962
2352268E	CONCRETE	1986	PERHAM DR, E/S, 395' N/O SUN VALLEY RD	10672031	9500L	-117.237844296	33.9043132622	25	1491962
2352270E	CONCRETE	1986	DRESSIN DR, N/S, 125' W/O BRIANA ST	10672031	9500L	-117.239209480	33.9041495745	25	1491962
2352271E	CONCRETE	1986	DRESSIN DR, S/S, COR/ KENNEBEC CT	10672031	9500L	-117.240514084	33.9040167796	25	1491962
2352272E	CONCRETE	1986	KENNEBEC CT, W/S, 125' N/O DRESSIN DR	10672031	9500L	-117.240553160	33.9043329351	25	1491962
2352273E	CONCRETE	1986	KISMET CIR, S/S, 180' W/O BRIANA ST	10672031	9500L	-117.239869169	33.9047667277	25	1491962
2352274E	CONCRETE	1986	KENNEBEC CT, N/E COR/O KISMET CIR	10672031	9500L	-117.240434392	33.9047788793	25	1491962
2352275E	CONCRETE	1986	BRIANA ST, E/S, 20' S/O KISMET CIR	10672031	9500L	-117.239398298	33.9049211297	25	1491962
2352283E	CONCRETE	1986	DRESSIN DR, S/S, 230' E/O KENNEBEC CT	10672031	9500L	-117.239678880	33.9040168198	25	1491962
2352284E	CONCRETE	1986	BRIANA ST, W/S, 130' N/O DRESSIN DR	10672031	9500L	-117.239189078	33.9045045159	25	1491962
2352419E	CONCRETE	1989	MEADOW BRZE, E/S, 285' N/O SUN VALLEY RD	10672031	9500L	-117.242283279	33.9040962355	25	1491962
2352420E	CONCRETE	1989	MEADOW BRZE, W/S, 280' E/O LAVENDER LN	10672031	9500L	-117.242334314	33.9045482657	25	1491962
2352424E	CONCRETE	1989	SPINNAKER LN, E/S, 420' N/O DRESSIN DR	10672031	9500L	-117.241525883	33.9050860984	25	1491962
2352425E	CONCRETE	1989	SPINNAKER LN, W/S, 250' N/O DRESSIN DR	10672031	9500L	-117.241427697	33.9045482115	25	1491962
2352426E	CONCRETE	1989	SPINNAKER LN, N/E COR/O DRESSIN DR	10672031	9500L	-117.241247202	33.9040569828	25	1491962
2181501E	CONCRETE	1957	CLIFFROSE CT	10672031	9500L	-117.235712868	33.9041874865	30	1491962
2181540E	CONCRETE	1980	CLIFFROSE CT E/S 460 S/O BLUEGRASS	10672031	9500L	-117.235612865	33.9045799830	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2181923E	CONCRETE	1981	SOUTH END CLOVERFIELD RD AT FERNDLELL ST	10672031	9500L	-117.233433747	33.9041308193	25	1491962
2182495E	CONCRETE	1980	CLIFFROSE E/S, 170' S/O BLUEGRASS	10672031	9500L	-117.235579786	33.9052433105	25	1491962
2269767E	CONCRETE	1981	S/W CORNER WINTERGREEN ST & FERNDLELL ST	10672031	9500L	-117.232613588	33.9040917693	25	1491962
2272984E	CONCRETE	1981	E/S SILVERTREE RD 200' N/O MORNING GLORY ST	10672031	9500L	-117.234201060	33.9040048742	25	1491962
2272985E	CONCRETE	1981	W/S SILVERTREE RD 400' N/O MORNING GLORY S	10672031	9500L	-117.234322155	33.9044952768	25	1491962
2272986E	CONCRETE	1981	E/S SILVERTREE RD 600' N/O MORNING GLORY ST	10672031	9500L	-117.234218018	33.9050299918	25	1491962
2272987E	CONCRETE	1983	W/S CORNER SILVERTREE RD 350' W/O CLOVERFI	10672031	9500L	-117.234332162	33.9055543982	25	1491962
2272989E	CONCRETE	1993	E/S CLOVERFIELD RD 140' N/O FERNDLELL ST	10672031	9500L	-117.233341542	33.9046751617	25	1491962
2272990E	CONCRETE	1981	W/S CLOVERFIELD RD 400' N/O FERNDLELL ST	10672031	9500L	-117.233478749	33.9052917224	25	1491962
2272991E	CONCRETE	1983	E/S CLOVERFIELD RD 20' S/O SILVERTREE RD	10672031	9500L	-117.233343293	33.9056675192	25	1491962
2150679E	CONCRETE	1978	JOSHUA TREE W/S S/O SILVERWOOD LN	10672031	9500L	-117.239973238	33.9091790355	25	1491962
2150680E	CONCRETE	1978	JOSHUA TREE E/S, E/O JIMSON PL	10672031	9500L	-117.239819161	33.9086950897	25	1491962
2150683E	CONCRETE	1978	JIMSON PL S/S, W/O JOSHUA TREE	10672031	9500L	-117.240385279	33.9086682548	25	1491962
2150684E	CONCRETE	1978	JIMSON PL END/O, W/O JOSHUA TREE	10672031	9500L	-117.241207741	33.9086986830	25	1491962
2245786E	CONCRETE	1987	E/S PEACE AV 356' S/O CACTUS AV	10672031	9500L	-117.241994788	33.9091510160	25	1491962
2245787E	CONCRETE	1987	W/S JOSHUA TREE AV 115' N/O LOVE CT	10672031	9500L	-117.239937088	33.9082144154	25	1491962
2245788E	CONCRETE	1987	W/S LOVE CT 223' W/O JOSHUA TREE AV	10672031	9500L	-117.240510153	33.9078930285	25	1491962
2245789E	CONCRETE	1987	E/S JOSHUA TREE AV 475' N/O DELPHINIUM AV	10672031	9500L	-117.239808140	33.9076223029	25	1491962
2245790E	CONCRETE	1987	W/S JOSHUA TREE AV 301' N/O DELPHINIUM AV	10672031	9500L	-117.239938742	33.9072988220	25	1491962
2245791E	CONCRETE	1987	E/S JOSHUA TREE AV 130' N/O DELPHINIUM AV	10672031	9500L	-117.239801308	33.9067859307	25	1491962
2286948E	CONCRETE	1984	BLUEGRASS ST N/S 410 E/O PERHAM	10672031	9500L	-117.237538704	33.9057364012	25	1491962
2286949E	CONCRETE	1984	PERHAM DR W/S 150 S/O DELPHINIUM ST	10672031	9500L	-117.239049262	33.9059713457	25	1491962
2286950E	CONCRETE	1984	DELPHINIUM ST S/S 210 W/O PERHAM DR	10672031	9500L	-117.239712376	33.9064076274	25	1491962
2352204E	CONCRETE	1957	NO END OF KENNEBEC CT N/O DRESSIN DR	10672031	9500L	-117.241219847	33.9057578411	25	1491962
2352276E	CONCRETE	1986	BRIANA ST, W/S, 145' N/O KISMET CIR	10672031	9500L	-117.239786381	33.9052011869	25	1491962
2352277E	CONCRETE	1986	BRIANA ST, E/S, 325' N/O KISMET CIR	10672031	9500L	-117.240036301	33.9056831449	25	1491962
2352278E	CONCRETE	1986	BRIANA ST, W/S, 135' S/O DELPHINIUM AVE	10672031	9500L	-117.240531925	33.9060953479	25	1491962
2352290E	CONCRETE	1989	UNITY CT, W/S, 195' S/O CAGNEY CT	10672031	9500L	-117.242229865	33.9077500375	25	1491962
2352291E	CONCRETE	1989	UNITY CT, S/W COR/O CAGNEY CT	10672031	9500L	-117.242157579	33.9081482439	25	1491962
2352292E	CONCRETE	1989	UNITY CT, W/S, 75' N/O CAGNEY CT	10672031	9500L	-117.242173696	33.9084222137	25	1491962
2352293E	CONCRETE	1989	CAGNEY CT, S/S, 130' W/O UNITY CT	10672031	9500L	-117.242513143	33.9081670534	25	1491962
2352410E	CONCRETE	1989	DELPHINIUM AVE, S/S, COR/O UNITY CT	10672031	9500L	-117.242287506	33.9063924009	25	1491962
2352422E	CONCRETE	1989	SPINNAKER LN, W/S, 140' S/O DELPHINIUM	10672031	9500L	-117.242261898	33.9061644423	25	1491962
2352423E	CONCRETE	1989	SPINNAKER LN, W/S, 340' S/O DELPHINIUM	10672031	9500L	-117.242203956	33.9056146419	25	1491962
2182494E	CONCRETE	1980	CLIFFROSE CT E/S, COR/O BLUEGRASS	10672031	9500L	-117.235600538	33.9056619719	25	1491962
2272960E	CONCRETE	1983	DELPHINIUM S/S 560 W/O WINTERGREEN	10672031	9500L	-117.232959865	33.9064521333	30	1491962
2272988E	CONCRETE	1983	N/S SILVERTREE RD 200' W/O CLOVERFIELD RD	10672031	9500L	-117.234117217	33.9057818364	25	1491962
2272992E	CONCRETE	1983	S/S DELPHINIUM AVE 20' W/O CLOVERFIELD RD	10672031	9500L	-117.233521670	33.9064430215	25	1491962
2272993E	CONCRETE	1983	S/S DELPHINIUM AVE 170' E/O INDIAN ST	10672031	9500L	-117.234245641	33.9064496682	25	1491962
2182496E	CONCRETE	1980	BLUEBERRY CT E/S, 140' S/O BLUEGRASS CT	10672031	5800L	-117.236638017	33.9053522816	25	1491962
2135479E	CONCRETE	2010	DELPHINIUM N/S S/E C/O WILMA SUE	10672031	5800L	-117.238124434	33.9064223042	25	1491962
2181550E	CONCRETE	1957	CLIFFROSE CT	10672031	9500L	-117.235702638	33.9049064626	30	1491962
2013853E	CONCRETE	1973	W/S CROFTBORO 200' S/O WOODBORO AVE	10672034	5800L	-117.226642895	33.9044329237	25	1491962
2013854E	CONCRETE	1973	W/S CROFTBORO RD 15' S/O WOODBORO AVE	10672034	5800L	-117.226650216	33.9049615202	25	1491962
2013860E	CONCRETE	1973	W/S BLUEBRIAR ST 440' N/O CASTLEBROOK AVE	10672034	5800L	-117.227426839	33.9046055774	25	1491962
2013861E	CONCRETE	1973	W/S BLUEBRIAR ST 20' N/O WOODBORO AVE	10672034	5800L	-117.227437850	33.9049984593	25	1491962
2013866E	CONCRETE	1973	E/S DOVEHURST ST 340' CASTLEBROOK AVE	10672034	5800L	-117.227929913	33.9042086743	25	1491962
2013867E	CONCRETE	1973	W/S DELFBUSH ST 210' S/O SHOREHAM AVE	10672034	5800L	-117.228148874	33.9052154909	25	1491962
2013872E	CONCRETE	1973	E/S BRENTSTONE ST 340' S/O SHOREHAM AVE	10672034	5800L	-117.228671698	33.9049623596	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2013873E	CONCRETE	1973	W/S BRENTSTONE ST 210' S/O SHOREHAM AVE	10672034	5800L	-117.228808183	33.9052295686	25	1491962
2013878E	CONCRETE	1973	E/SVINEHILL ST 15' N/O HALLPORT AVE	10672034	5800L	-117.229400905	33.9042666050	25	1491962
2013879E	CONCRETE	1973	E/S VINEHILL ST 400' S/O SHOREHAM AVE	10672034	5800L	-117.229390018	33.9047607177	25	1491962
2013880E	CONCRETE	1973	W/S VINEHILL ST 210' S/O SHOREHAM AVE	10672034	5800L	-117.229509383	33.9052083309	25	1491962
2013885E	CONCRETE	1973	W/S STARMONT ST 20' N/O HALLPORT AVE	10672034	5800L	-117.230260420	33.9042576156	25	1491962
2013886E	CONCRETE	1973	E/S STARMONT AVE 220' HALLPORT AVE	10672034	5800L	-117.230101632	33.9048206315	25	1491962
2013887E	CONCRETE	1973	W/S STARMONT ST 210' SHOREHAM AVE	10672034	5800L	-117.230209020	33.9053301239	25	1491962
2013855E	CONCRETE	1973	W/S CROFTBORO RD 100' N/O WOODBORO AVE	10672034	5800L	-117.226645879	33.9053330739	25	1491962
2013856E	CONCRETE	1973	W/S CROFTBORO RD 290' N/O WOODBORO AVE	10672034	5800L	-117.226659722	33.9057600669	25	1491962
2013862E	CONCRETE	1973	W/S BLUEBRIAR ST 120' S/O SHOREHAM AVE	10672034	5800L	-117.227414681	33.9055757255	25	1491962
2013868E	CONCRETE	1973	S/S SHOREHAM AVE 15' E/O DELFBUSH ST	10672034	5800L	-117.227997623	33.9058322334	25	1491962
2013874E	CONCRETE	1973	S/S SHOREHAM AVE 15' E/O BRENTSTONE ST	10672034	5800L	-117.228643650	33.9058381730	25	1491962
2013881E	CONCRETE	1973	S/S SHOREHAM AVE 15' E/O VINEHILL ST	10672034	5800L	-117.229351864	33.9058051438	25	1491962
2013888E	CONCRETE	1973	S/E CORNER OF SHOREHAM AVE & STARMONT ST	10672034	5800L	-117.230083737	33.9058241418	25	1491962
2091244E	CONCRETE	1973	E/S BLUEBRIAR ST 130'S/O DELPHINIUM AVE	10672034	5800L	-117.227320557	33.9061418876	25	1491962
2181924E	CONCRETE	1981	N/E CORNER WINTERGREEN ST & FERNDLL ST	10672034	9500L	-117.232392557	33.9042180488	25	1491962
2181925E	CONCRETE	1981	N/S FERNDLL ST 180' E/O WINTERGREEN ST	10672034	9500L	-117.231835591	33.9042107666	25	1491962
2181926E	CONCRETE	1981	EASTEND FERNDLL ST 400' E/O WINTERGREEN S	10672034	9500L	-117.231422451	33.9041290993	25	1491962
2272951E	CONCRETE	1983	WINTERGREEN W/S 50 S/O BAMBOO	10672034	9500L	-117.232593315	33.9048338432	30	1491962
2272952E	CONCRETE	1983	BAMBOO S/S 160 E/O WINTERGREEN	10672034	9500L	-117.232024642	33.9048551093	30	1491962
2272953E	CONCRETE	1983	BAMBOO N/S 350 E/O WINTERGREEN	10672034	9500L	-117.231448932	33.9049207116	30	1491962
2272954E	CONCRETE	1983	WINTERGREEN W/S 132 N/O BAMBOO	10672034	9500L	-117.232525637	33.9051769668	30	1491962
4057369E	CONCRETE	1989	W/S CASA LOMA, 450' S/O DELPHINIUM	10672034	9500L	-117.223723136	33.9051623301	25	1491962
4057370E	CONCRETE	1989	N/S CASA LOMA, 180' W/O LA BRISIS	10672034	9500L	-117.222962868	33.9051007830	25	1491962
4057373E	CONCRETE	1989	N/S VANESSA CT., 155' W/O LA BRISIS	10672034	9500L	-117.222960174	33.9042796923	25	1491962
4057375E	CONCRETE	1989	S/S VANESSA CT., 340' W/O LA BRISIS	10672034	9500L	-117.223649411	33.9042079842	25	1491962
2013869E	CONCRETE	1973	S/S DELPHINIUM AVE 140' W/O BLUEBRIAR ST	10672034	9500L	-117.227779487	33.9064347867	25	1491962
2013875E	CONCRETE	1973	S/S DELPHINIUM AVE 330' W/O BLUEBRIAR ST	10672034	9500L	-117.228424387	33.9064199556	25	1491962
2013882E	CONCRETE	1957	DELPHINIUM AV S/S EAST OF WINTERGREEN DR	10672034	9500L	-117.228960338	33.9064492599	30	1491962
2013889E	CONCRETE	1973	S/S DELPHINIUM AVE 780' W/O BLUEBRIAR ST	10672034	9500L	-117.230233666	33.9064480639	25	1491962
2272955E	CONCRETE	1983	WINTERGREEN S/S 250 N/O BAMBOO	10672034	9500L	-117.232222664	33.9056412230	30	1491962
2272956E	CONCRETE	1983	WINTERGREEN N/S 290 S/O DELPHINIUM	10672034	9500L	-117.231264799	33.9057474205	30	1491962
2272958E	CONCRETE	1983	DELPHINIUM S/S 60 E/O WINTERGREEN	10672034	9500L	-117.230978391	33.9064430799	30	1491962
2272959E	CONCRETE	1983	DELPHINIUMS/S 145 W/O WINTERGREEN	10672034	9500L	-117.231571544	33.9064344778	30	1491962
2286672E	CONCRETE	1984	VICTOR DR W/S COR/O MARS CT	10672034	9500L	-117.232412839	33.9083576790	25	1491962
2286673E	CONCRETE	1984	MARS CT S/S/E/O VICTOR DR	10672034	9500L	-117.231437802	33.9086951056	25	1491962
2286674E	CONCRETE	1984	MARS CT N/S E/O VICTOR DR	10672034	9500L	-117.231914513	33.9087585198	25	1491962
2292493E	CONCRETE	1984	PHILO W/S CHIPPENDALE	10672034	9500L	-117.230226577	33.9094200379	25	1491962
2292494E	CONCRETE	1984	CHIPPENDALE N/S 140 E/O PHILO	10672034	9500L	-117.229724083	33.9094647841	25	1491962
2292495E	CONCRETE	1984	CHIPPENDALE S/S 320 E/O PHILO	10672034	9500L	-117.229027257	33.9093648970	25	1491962
2292496E	CONCRETE	1984	PHILO E/S 180 N/O CAPE COD	10672034	9500L	-117.230119903	33.9090770994	25	1491962
2292497E	CONCRETE	1984	PHILO W/S CAPE COD EXT D	10672034	9500L	-117.230256933	33.9086658211	25	1491962
2292498E	CONCRETE	1984	CAPE COD N/S 120 E/O PHILO	10672034	9500L	-117.229797068	33.9087150392	25	1491962
2292500E	CONCRETE	1984	CAPE COD N/S 360 E/O PHILO	10672034	9500L	-117.228977980	33.9087227411	25	1491962
2203966E	CONCRETE	1980	BILLE DR N/S 150' E/O MAY LN	10672034	9500L	-117.224175565	33.9087418065	25	1491962
2203967E	CONCRETE	1980	MAY LN W/S 50' S/O BILLI DR.	10672034	9500L	-117.224729929	33.9085614454	25	1491962
2203968E	CONCRETE	1980	BILLI DR N/S 150' W/O MAY LN	10672034	9500L	-117.225182511	33.9087283310	25	1491962
2203969E	CONCRETE	1980	BILLI DR S/S 75' S/O CHOLLA DR	10672034	9500L	-117.225408297	33.9086417572	25	1491962
2203970E	CONCRETE	1980	CHOLLA DR E/S 155'N/O BILLI DR	10672034	9500L	-117.225579344	33.9091282204	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2203973E	CONCRETE	1980	MAY LN E/S 40' N/O BILLI DR	10672034	9500L	-117.224571479	33.9088075331	25	1491962
2203974E	CONCRETE	1980	MAY LN W/S 270' N/O BILLI DR	10672034	9500L	-117.224697193	33.9092417074	25	1491962
2309619E	CONCRETE	1985	DESERT WILLOW DR, N/S, 160' W/O AGAVE ST	10672034	9500L	-117.223093254	33.9094694831	25	1491962
2309620E	CONCRETE	1985	DESERT WILLOW DR, S/S, LOT 11	10672034	9500L	-117.223812386	33.9095388750	25	1491962
2309622E	CONCRETE	1985	BILLIE DR, N/S, 150' W/O AGAVE ST	10672034	9500L	-117.222869342	33.9087423559	25	1491962
2309623E	CONCRETE	1985	BILLIE DR, S/S, 330' W/O AGAVE ST	10672034	9500L	-117.223544666	33.9086612541	25	1491962
2309627E	CONCRETE	1985	ALEPPO WY, S/S, 340' W/O AGAVE ST	10672034	9500L	-117.223648512	33.9078338146	25	1491962
2309630E	CONCRETE	1985	GORGONIO WY, S/S, 145' W/O AGAVE ST	10672034	9500L	-117.223032995	33.9069948901	25	1491962
2309631E	CONCRETE	1985	GORGONIO WY, N/S, 335' W/O AGAVE ST	10672034	9500L	-117.223521333	33.9070687895	25	1491962
2309633E	CONCRETE	1985	DELPHINIUM AVE, N/S, 325' W/O AGAVE ST	10672034	9500L	-117.223887725	33.9065288474	25	1491962
4057366E	CONCRETE	1989	S/S DELPHINIUM, 50' W/O CASA LOMA	10672034	9500L	-117.223492325	33.9064523175	25	1491962
4057368E	CONCRETE	1989	E/S CASA LOMA, 260' S/O DELPHINIUM	10672034	9500L	-117.223551953	33.9056289867	25	1491962
4058749E	CONCRETE	1989	E/S PERRIS BLVD., 500' N/O J.F. KENNEDY	10672034	22000L	-117.226215630	33.9042388279	29	1491960
GT96093	WOOD	1979	PERRIS BL. E/S 292' S/O CACTUS AVE	10672034	22000L	-117.226236548	33.9093095283	40	1491960
2347891E	CONCRETE	1988	14700 PERRIS BL	10672034	22000L	-117.226218571	33.9076515862	29	1491960
4059855E	WOOD	1980	PERRIS BLVD. E/S, 480' S/O CACTUS	10672034	22000L	-117.226239690	33.9087148942	40	1491960
4059856E	WOOD	1979	PERRIS BLVD. E/S, 665' S/O CACTUS AVE.	10672034	22000L	-117.226201402	33.9082068430	40	1491960
4318197E	CONCRETE	1997	25184 ALEPPO WY	10672034	9500L	-117.222944162	33.9079401064	29	1491962
4442119E	CONCRETE	2002	14762 WINTERGREEN ST., MORENO VALLEY	10672034	9500L	-117.231022789	33.9059801590	26	1491962
4638547E	CONCRETE	2007	DELPHINIUM AVE S/S, 543' E/O PERRIS BLVD	10672034	22000L	-117.224474288	33.9064391444	32	1491960
4638548E	CONCRETE	2007	DELPHINIUM AVE S/S, 326' E/O PERRIS BLVD	10672034	22000L	-117.225159777	33.9064290573	32	1491960
4638549E	CONCRETE	2007	PERRIS BLVD E/S, 67' S/O DELPHINIUM AVE	10672034	22000L	-117.226213373	33.9063045611	32	1491960
4638550E	CONCRETE	2007	PERRIS BLVD E/S, 273' S/O DELPHINIUM AVE	10672034	22000L	-117.226232620	33.9057531742	32	1491960
4710833E	CONCRETE	2009	VICTOR DR. E/S N/O MARS CT.	10672034	9500L	-117.232264374	33.9091541229	25	1491962
2272967E	CONCRETE	1983	E/S REMBRANT DR 25 N/O RENOIR	10672037	9500L	-117.221392156	33.9042370586	30	1491962
2290370E	CONCRETE	1983	VAN GOGH E/S E/O PICASSO	10672037	9500L	-117.220204162	33.9049552208	30	1491962
2290371E	CONCRETE	1983	VAN GOGH AV W/S 75 N/O PICASSO CT	10672037	9500L	-117.220352193	33.9051207260	30	1491962
2290373E	CONCRETE	1983	REMBRANT DR W/S 230S/O VAN GOGH	10672037	9500L	-117.221535408	33.9050256396	30	1491962
2290374E	CONCRETE	1983	REMBRANT E/S 65 S/O VAN GOGH	10672037	9500L	-117.221412103	33.9055622300	30	1491962
2326926E	CONCRETE	1985	KITCHING ST, E/S, 600' S/O DELPHINIUM AVE	10672037	9500L	-117.217254143	33.9047405944	29	1491962
2326930E	CONCRETE	1985	MAGELLAN DR, W/S, 345' S/O ERICSON DR	10672037	9500L	-117.216786873	33.9046639840	25	1491962
2326931E	CONCRETE	1985	MAGELLAN DR, E/S, 160' S/O ERICSON DR	10672037	9500L	-117.216674435	33.9052391520	25	1491962
2326944E	CONCRETE	1986	EL GRECO DR, W/S, 130' S/O ALBA WY	10672037	9500L	-117.218238981	33.9045669272	25	1491962
2326945E	CONCRETE	1986	EL GRECO DR, E/S, 50' N/O ALBA WY	10672037	9500L	-117.218122633	33.9051339107	25	1491962
2326946E	CONCRETE	1986	EL GRECO DR, 245' N/O ALBA WY	10672037	9500L	-117.218267092	33.9056987583	25	1491962
2326947E	CONCRETE	1986	ALBA WY, S/S, 105' W/O EL GRECO DR	10672037	9500L	-117.218573044	33.9050011731	25	1491962
2326948E	CONCRETE	1986	ALBA WY, S/S, 310' W/O EL GRECO DR	10672037	9500L	-117.219229430	33.9050164977	25	1491962
4057372E	CONCRETE	1989	E/S LA BRISIS, 30' S/O CASA LOMA	10672037	9500L	-117.222412192	33.9049747230	25	1491962
2297338E	CONCRETE	1984	RIO GRANDE W/S 290 S/O ERICSSON	10672037	9500L	-117.213753886	33.9046897271	25	1491962
2297339E	CONCRETE	1984	RIO GRANDE E/S 110 S/O ERICSSON	10672037	9500L	-117.213634906	33.9052539862	25	1491962
2326936E	CONCRETE	1985	EDELWEISS PL, E/S, 453' N/O STONEYBROOK DR	10672037	9500L	-117.215722818	33.9048146839	25	1491962
2326939E	CONCRETE	1985	DE SOTO PL, E/S, 490' N/O STONEYBROOK DR	10672037	9500L	-117.214610360	33.9046528964	25	1491962
2224763E	CONCRETE	1986	DELPHINIUM AVE, S/S, 160' E/O ALBA WY	10672037	9500L	-117.218800261	33.9064821929	25	1491962
2290372E	CONCRETE	1983	VAN GOGH AV N/S 185 E/O REMBRANT	10672037	9500L	-117.220781399	33.9057146924	30	1491962
2290375E	CONCRETE	1983	REMBRANT W/S 85 N/O VAN GOGH	10672037	9500L	-117.221543761	33.9058742207	30	1491962
2299127E	CONCRETE	1984	ARGONAUT W/S 610 W/O RIO HONDO	10672037	9500L	-117.216815529	33.9095806728	25	1491962
2309618E	CONCRETE	1985	AGAVE ST, E/S, COR/O DESERT WILLOW DR	10672037	9500L	-117.222390857	33.9095462718	25	1491962
2309621E	CONCRETE	1985	AGAVE ST, W/S, 125' N/O BILLIE DR	10672037	9500L	-117.222511526	33.9090377558	25	1491962
2309624E	CONCRETE	1985	AGAVE ST, W/S, 55' S/O BILLIE DR	10672037	9500L	-117.222504312	33.9085778625	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2309625E	CONCRETE	1985	AGAVE ST, E/S, COR/O ALEPPO WAY	10672037	9500L	-117.222382775	33.9078938729	25	1491962
2309628E	CONCRETE	1985	AGAVE ST, W/S, 140' N/O GORGONIO WY	10672037	9500L	-117.222490475	33.9074730153	25	1491962
2309629E	CONCRETE	1985	AGAVE ST, E/S, 40' S/O GORGONIO WAY	10672037	9500L	-117.222353488	33.9069261685	25	1491962
2309632E	CONCRETE	1985	DELPHINIUM AVE, N/S, 50' E/O AGAVE	10672037	9500L	-117.222289491	33.9065470458	25	1491962
2326932E	CONCRETE	1985	ERICSON DR, N/W COR/O MAGELLAN DR	10672037	9500L	-117.216851602	33.9056066900	25	1491962
2326940E	CONCRETE	1985	DELPHINIUM AVE, 165' E/O KITCHING ST	10672037	9500L	-117.216994749	33.9063165003	25	1491962
2326949E	CONCRETE	1986	ALBA WY, E/S, 390' S/O DELPHINIUM AVE	10672037	9500L	-117.219193185	33.9053130485	25	1491962
2326950E	CONCRETE	1986	ALBA WY, W/S, 150' S/O DELPHINIUM AVE	10672037	9500L	-117.219322668	33.9059393433	25	1491962
2347854E	CONCRETE	1986	ANTILLES DR, W/S, 165' S/O ARGONAUT DR	10672037	9500L	-117.216790623	33.9090171856	25	1491962
2347855E	CONCRETE	1986	ANTILLES DR, E/S, 405' S/O ARGONAUT DR	10672037	9500L	-117.216680058	33.9084606215	25	1491962
2347856E	CONCRETE	1986	ANTILLES DR, W/S, 580' S/O ARGONAUT DR	10672037	9500L	-117.216786736	33.9079931083	25	1491962
2347861E	CONCRETE	1986	ANTILLES DR, S/S, 310' W/O ARUBA PL	10672037	9500L	-117.216708430	33.9072784364	25	1491962
2358605E	CONCRETE	1986	MINNETONKA CT S/S, 275' W/O PARKWOOD CT	10672037	9500L	-117.221134823	33.9095103433	25	1491962
2358606E	CONCRETE	1986	MINNETONKA CT S/S, 45' W/O PARKWOOD CT	10672037	9500L	-117.220362539	33.9095305258	25	1491962
2358607E	CONCRETE	1986	PARKWOOD CT E/S, 110' N/O BILLIE DR	10672037	9500L	-117.220135286	33.9089652765	25	1491962
2358608E	CONCRETE	1986	PARKWOOD CT E/S, 95' S/O BILLIE DR	10672037	9500L	-117.220137449	33.9084586121	25	1491962
2358609E	CONCRETE	1986	BILLIE DR S/S, 210' W/O PARKWOOD CT	10672037	9500L	-117.220864232	33.9086736271	25	1491962
2358610E	CONCRETE	1986	BILLIE DR N/S, 40' W/O PARKWOOD CT	10672037	9500L	-117.220415146	33.9087713585	25	1491962
2358611E	CONCRETE	1986	BILLIE DR N/S, 335' W/O PARKWOOD CT	10672037	9500L	-117.221302005	33.9087737662	25	1491962
2358612E	CONCRETE	1986	BILLIE DR S/S, 515' W/O PARKWOOD CT	10672037	9500L	-117.221941053	33.9086649624	25	1491962
2358613E	CONCRETE	1987	OCONTO CT S/S, 100' W/O PARKWOOD CT	10672037	9500L	-117.220627220	33.9079161221	25	1491962
2358614E	CONCRETE	1987	OCONTO CT N/S, 310' W/O PARKWOOD CT	10672037	9500L	-117.221136493	33.9079881737	25	1491962
2358615E	CONCRETE	1987	PARKWOOD CT E/S, 150' S/O OCONTO CT	10672037	9500L	-117.220142893	33.9076185313	25	1491962
2358616E	CONCRETE	1987	MENOMINEE CT N/S, 45' W/O PARKWOOD CT	10672037	9500L	-117.220356661	33.9072542362	25	1491962
2358617E	CONCRETE	1987	MENOMINEE CT S/S, 245' W/O PARKWOOD CT	10672037	9500L	-117.221022627	33.9071986052	25	1491962
2358618E	CONCRETE	1987	PARKWOOD CT E/S, 20' S/O MENOMINEE CT	10672037	9500L	-117.220148351	33.9071469846	25	1491962
2358619E	CONCRETE	1987	DELPHINIUM AVE N/S, 140' E/O PARKWOOD CT	10672037	9500L	-117.219801567	33.9065660711	25	1491962
2358620E	CONCRETE	1987	DELPHINIUM AVE N/S, 100' W/O PARKWOOD CT	10672037	9500L	-117.220517346	33.9065420486	25	1491962
4005561E	CONCRETE	1987	E/S COCHITI DR., 225' S/O CACTUS	10672037	9500L	-117.219253285	33.9094604370	25	1491962
4005562E	CONCRETE	1987	W/S COCHITI, 390' S/O CACTUS	10672037	9500L	-117.219376172	33.9090365819	25	1491962
4005563E	CONCRETE	1987	N/S TAUPE AVE., 225' W/O RIO BRAVO	10672037	9500L	-117.219086897	33.9087417200	25	1491962
4005566E	CONCRETE	1987	W/S RIO BRAVO, 215' S/O CACTUS	10672037	9500L	-117.218280894	33.9095690970	25	1491962
4005567E	CONCRETE	1987	E/S RIO BRAVO, 160' N/O TAUPE AVE.	10672037	9500L	-117.218142171	33.9091809635	25	1491962
4005568E	CONCRETE	1987	S/S TAUPE AVE., 45' W/O RIO BRAVO	10672037	9500L	-117.218308612	33.9086658360	25	1491962
4057367E	CONCRETE	1989	S/S DELPHINIUM, 300' E/O CASA LOMA	10672037	9500L	-117.222537141	33.9064688369	25	1491962
4057371E	CONCRETE	1957	END OF BRISIS WAY N/O CASA LOMA DR	10672037	9500L	-117.222506792	33.9055288089	30	1491962
2297340E	CONCRETE	1984	ERICSSON N/S 250 W/O RIO GRANDE	10672037	9500L	-117.214239695	33.9056948856	25	1491962
2297341E	CONCRETE	1984	ERICSSON S/S 220 W/O RIO GRANDE	10672037	9500L	-117.214625469	33.9056084165	25	1491962
2297342E	CONCRETE	1984	ERICSSON N/S 155 E/O ARUBA PL	10672037	9500L	-117.215141903	33.9057063932	25	1491962
2297343E	CONCRETE	1984	ERICSSON S/S AT ARUBA PL	10672037	9500L	-117.215690111	33.9055959140	25	1491962
2297344E	CONCRETE	1984	ARUBA PL W/S 130 S/O DELPHINIUM	10672037	9500L	-117.215778360	33.9060398134	25	1491962
2297345E	CONCRETE	1984	RIO GRANDE E/S 75 S/O DELPHINIUM	10672037	9500L	-117.213688536	33.9059295929	25	1491962
2299128E	CONCRETE	1984	ARGONAUT N/S 430 W/O RIO HONDO	10672037	9500L	-117.216259495	33.9096306651	25	1491962
2299129E	CONCRETE	1984	ARGONAUT S/S 235 W/O RIO HONDO	10672037	9500L	-117.215554594	33.9095057519	25	1491962
2299130E	CONCRETE	1984	ARGONAUT N/S 70 W/O RIO HONDO	10672037	9500L	-117.215094247	33.9096247944	25	1491962
2299136E	CONCRETE	1984	RIO HONDO W/S 125 S/O ARGONAUT	10672037	9500L	-117.214764705	33.9092611737	25	1491962
2299137E	CONCRETE	1984	RIO HONDO W/S 485 S/O ARGONAUGHT	10672037	9500L	-117.214754324	33.9082734455	25	1491962
2299138E	CONCRETE	1984	RIO HONDO E/S 610 S/O ARGONAUT	10672037	9500L	-117.214644096	33.9079209358	25	1491962
2299139E	CONCRETE	1984	RIO HONDO W/S 300 W/O RIO GRANDE	10672037	9500L	-117.214741402	33.9073816394	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2299140E	CONCRETE	1984	RIO HONDO S/S 125 W/O RIO GRANDE	10672037	9500L	-117.214192735	33.9073020507	25	1491962
2299141E	CONCRETE	1984	RIO GRANDE E/O CULDESAC	10672037	9500L	-117.213738000	33.9078561389	25	1491962
2299142E	CONCRETE	1984	RIO GRANDE AT RIO HONDO	10672037	9500L	-117.213689003	33.9072997675	25	1491962
2299143E	CONCRETE	1984	RIO GRANDE W/S 100 S/O RIO HONDO	10672037	9500L	-117.213813058	33.9070090808	25	1491962
2299149E	CONCRETE	1984	ARUBA E/S 315 N/O DELPHINIUM	10672037	16000L	-117.215717150	33.9072714633	25	1491962
2326933E	CONCRETE	1985	ERICSON DR, N/S, 160' E/O MAGELLAN DR	10672037	9500L	-117.216158181	33.9057011421	25	1491962
2347860E	CONCRETE	1986	DELPHINIUM AVE, N/S, 350' E/O KITCHING ST	10672037	9500L	-117.216132800	33.9064163647	25	1491962
2347862E	CONCRETE	1986	ARUBA PL, W/S, 231' N/O ANTILLES DR	10672037	9500L	-117.215873342	33.9079172649	25	1491962
2347863E	CONCRETE	1986	ARUBA PL, E/S, 426' N/O ANTILLES DR	10672037	9500L	-117.215724527	33.9083719171	25	1491962
2347864E	CONCRETE	1986	ARUBA PL, 586' N/O ANTILLES DR	10672037	9500L	-117.215722959	33.9088404892	25	1491962
2354937E	CONCRETE	1986	WHITE WOOD CIR, S/W COR/O FIGWOOD WY	10672037	9500L	-117.213137157	33.9074200083	25	1491962
4114646E	CONCRETE	1986	ARUBA W/S 100' N/O DELPHINIUM	10672037	9500L	-117.215825993	33.9066852924	25	1491962
4232049E	CONCRETE	1986	ANTILLES S/S 120' W/O ARUBA	10672037	9500L	-117.216202069	33.9072833733	25	1491962
2290376E	CONCRETE	1983	DELPHINIUM S/S 50 W/O REMBRANT	10672037	22000L	-117.221609958	33.9064694698	30	1491960
2290377E	CONCRETE	1983	DELPHINIUM S/S 250 E/O REMBRANT	10672037	22000L	-117.220861502	33.9064643918	30	1491960
2326924E	CONCRETE	1985	KITCHING ST, E/S, 150' S/O DELPHINIUM AVE	10672037	22000L	-117.217284479	33.9059480792	29	1491960
2326925E	CONCRETE	1985	KITCHING ST, E/S, 350' S/O DELPHINIUM AVE	10672037	22000L	-117.217250652	33.9054119357	29	1491960
2347851E	CONCRETE	1986	KITCHING ST, E/S, 1080' N/O DELPHINIUM AVE	10672037	22000L	-117.217320781	33.9093796888	29	1491960
2347852E	CONCRETE	1986	KITCHING ST, E/S, 865' N/O DELPHINIUM AVE	10672037	22000L	-117.217288916	33.9087651022	29	1491960
2347853E	CONCRETE	1986	KITCHING ST, E/S, 650' N/O DELPHINIUM AVE	10672037	22000L	-117.217279693	33.9081899069	29	1491960
2347857E	CONCRETE	1986	KITCHING ST, E/S, 450' N/O DELPHINIUM AVE	10672037	22000L	-117.217279974	33.9075605611	29	1491960
2347859E	CONCRETE	1986	KITCHING ST, N/E COR/O DELPHINIUM AVE	10672037	22000L	-117.217284844	33.9064387123	29	1491960
2297346E	CONCRETE	1984	EDELPHINIUM S/S 30 E/O RIO GRANDE	10672037	22000L	-117.213653501	33.9063365701	30	1491960
2297347E	CONCRETE	1984	DELPHINIUM S/S 110 W/O RIO GRANDE	10672037	22000L	-117.214256511	33.9063264260	30	1491960
2297348E	CONCRETE	1984	DELPHINIUM S/S 230 E/O ARUBA	10672037	22000L	-117.214951711	33.9063073234	30	1491960
2297349E	CONCRETE	1984	DELPHINIUM S/S 30 E/O ARUBA PL	10672037	22000L	-117.215617453	33.9063076794	30	1491960
2327675E	CONCRETE	1986	CACTUS AV 253'S/O RIO HONDO DR S/S	10672037	22000L	-117.214665971	33.9087045086	29	1491960
4005569E	CONCRETE	1987	E/S RIO BRAVO, 135' S/O TAUPE AVE.	10672037	9500L	-117.218120186	33.9084001875	25	1491962
4688487E	CONCRETE	2007	DELPHINIUM AVE N/S, 81' W/O ALBA WY	10672037	22000L	-117.219481295	33.9065554980	32	1491960
4688488E	CONCRETE	2007	RIO BRAVO RD W/S, 132' N/O DELPHINIUM AVE	10672037	9500L	-117.218244450	33.9067639019	27	1491962
4688489E	CONCRETE	2007	RIO BRAVO RD E/S, 12' S/O CLOVELY CT	10672037	9500L	-117.218117333	33.9071725404	27	1491962
4688490E	CONCRETE	2007	CLOVELY CT N/S, 116' W/O RIO BRAVO RD	10672037	9500L	-117.218517366	33.9072202311	27	1491962
4688491E	CONCRETE	2007	CLOVELY CT S/S, 270' W/O RIO BRAVO RD	10672037	9500L	-117.219061630	33.9071171412	27	1491962
4688492E	CONCRETE	2007	CLOVELY CT CUL-DE-SAC, 410' W/O RIO BRAVO RD	10672037	9500L	-117.219517993	33.9071680376	27	1491962
4688493E	CONCRETE	2007	RIO BRAVO RD W/S, 147' N/O CLOVELY CT	10672037	9500L	-117.218251723	33.9076102373	27	1491962
4688494E	CONCRETE	2007	RIO BRAVO RD E/S, 19' S/O CHIPMAN HILL CT	10672037	9500L	-117.218119166	33.9080062786	27	1491962
4688496E	CONCRETE	2007	CHIPMAN HILL CT N/S, 110' W/O RIO BRAVO RD	10672037	9500L	-117.218498538	33.9080458834	27	1491962
4688497E	CONCRETE	2007	CHIPMAN HILL CT S/S, 245' W/O RIO BRAVO RD	10672037	9500L	-117.219048371	33.9079596296	27	1491962
4688498E	CONCRETE	2007	CHIPMAN HILL CT CUL-DE-SAC, 394' W/O RIO BRAVO RD	10672037	9500L	-117.219503342	33.9080066248	27	1491962
4709518E	CONCRETE	2008	DELPHINIUM AVE, S/S, 380' E/O ALBA WY	10672037	9500L	-117.218242287	33.9064799073	27	1491962
2347858E	CONCRETE	1986	KITCHING ST, E/S, 265' N/O DELPHINIUM AVE	10672037	22000L	-117.217287350	33.9070102841	29	1491960
2307267E	CONCRETE	1984	CURRY ST, E/S, 175 S/O PARSLEY	10672040	9500L	-117.209506025	33.9044723311	25	1491962
2307268E	CONCRETE	1984	CURRY ST, E/S & PARSLEY	10672040	9500L	-117.209494671	33.9048180336	25	1491962
2307269E	CONCRETE	1984	CURRY ST, 195 N/O PARSLEY	10672040	9500L	-117.209594179	33.9054851309	25	1491962
2307270E	CONCRETE	1984	PARSLEY AVE, N/S, 110 W/O CURRY	10672040	9500L	-117.209864214	33.9050863926	25	1491962
2307271E	CONCRETE	1984	ROSEMARY AVE, E/S 235 N/O PARSLEY	10672040	9500L	-117.210529466	33.9056894028	25	1491962
2307274E	CONCRETE	1984	ROSEMARY AVE, W/S, 60 N/O PARSLEY	10672040	9500L	-117.210637967	33.9051974927	25	1491962
2307275E	CONCRETE	1984	PARSLEY AVE, S/S COR/O ROSEMARY	10672040	9500L	-117.210571864	33.9050118714	25	1491962
2307276E	CONCRETE	1984	PARSLEY AVE, N/S, 160 E/O TARRAGON	10672040	9500L	-117.211273000	33.9050998612	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2307277E	CONCRETE	1984	TARRAGON WY, E/S, 130 N/O PARSLEY	10672040	9500L	-117.211685607	33.9053968022	25	1491962
2307278E	CONCRETE	1984	TARRAGON WY, N/O PARSLEY	10672040	9500L	-117.211744079	33.9057260350	25	1491962
2307279E	CONCRETE	1984	PARSLEY AVE, N/S, 110 W/O TARRAGON	10672040	9500L	-117.211997665	33.9050891870	25	1491962
2307280E	CONCRETE	1984	PARSLEY AVE, 310 W/O TARRAGON	10672040	9500L	-117.212543736	33.9049836850	25	1491962
2307281E	CONCRETE	1984	PARSLEY AVE, 340 S/O DELPHINIUM	10672040	9500L	-117.212523880	33.9053763941	25	1491962
2307282E	CONCRETE	1984	PARSLEY AVE, W/S 120 S/O DELPHINIUM	10672040	9500L	-117.212620507	33.9059703274	25	1491962
2307285E	CONCRETE	1984	TARRAGON WY, W/S 50 S/O PARSLEY AVE	10672040	9500L	-117.211806087	33.9049013474	25	1491962
2307272E	CONCRETE	1984	DELPHINIUM AVE, S/S & ROSEMARY	10672040	9500L	-117.210331276	33.9063291539	25	1491962
2307273E	CONCRETE	1984	ROSEMARY AVE, W/S, 130 S/O DELPHINIUM	10672040	9500L	-117.210647568	33.9060216898	25	1491962
2307283E	CONCRETE	1984	DELPHINIUM S/E COR & PARSLEY	10672040	9500L	-117.212354803	33.9063218364	25	1491962
2307284E	CONCRETE	1984	DELPHINIUM S/S, 250 E/O PARSLEY	10672040	9500L	-117.211702056	33.9063048804	25	1491962
2307300E	CONCRETE	1984	LASSELLE ST, S/W COR & DELPHINIUM	10672040	9500L	-117.208997894	33.9063018894	29	1491962
2347833E	CONCRETE	1986	THUNDERCLOUD CT, N/S, 330' W/O SYLVESTER DR	10672040	9500L	-117.211778402	33.9096121142	25	1491962
2347834E	CONCRETE	1986	THUNDERCLOUD CT, S/S, 138' W/O SYLVESTER DR	10672040	9500L	-117.211124663	33.9095462374	25	1491962
2347835E	CONCRETE	1986	WHITE WOOD CIR, N/S, 170' E/O CHANTRY DR	10672040	9500L	-117.211727826	33.9087874988	25	1491962
2347836E	CONCRETE	1986	WHITE WOOD CIR, S/S, 130' W/O SYLVESTER DR	10672040	9500L	-117.211186852	33.9087027419	25	1491962
2347837E	CONCRETE	1986	WHITE CLOUD CIR, S/S, 35' E/O SYLVESTER DR	10672040	9500L	-117.210485137	33.9087119225	25	1491962
2347838E	CONCRETE	1986	BLACKBUSH RD, E/S, COR/O WHITE WOOD CIR	10672040	9500L	-117.209527527	33.9087593563	25	1491962
2347840E	CONCRETE	1986	BLACKBUSH RD, E/S, 180' N/O WHITE WOOD CIR	10672040	9500L	-117.209543937	33.9092351295	25	1491962
2347841E	CONCRETE	1986	BLACKBUSH RD, 345' N/O WHITE WOOD CIR	10672040	9500L	-117.209539467	33.9097093337	25	1491962
2347843E	CONCRETE	1986	SYLVESTER DR, E/S, 155' N/O WHITE WOOD CIR	10672040	9500L	-117.210447598	33.9091860747	25	1491962
2347844E	CONCRETE	1986	SYLVESTER DR, E/S, COR/O THUNDERCLOUD CT	10672040	9500L	-117.210531466	33.9096134962	25	1491962
2347845E	CONCRETE	1986	WHITE WOOD CIR, N/S, 87' W/O BLACKBUSH RD	10672040	9500L	-117.209979667	33.9088130254	25	1491962
2347846E	CONCRETE	1986	FIGWOOD WY, S/S, 155' E/O ROSEMARY AVE	10672040	9500L	-117.210152264	33.9072563171	25	1491962
2354932E	CONCRETE	1986	CHANTRY DR, E/S, 165' N/O WHITE WOOD CIR	10672040	9500L	-117.212580856	33.9089472245	25	1491962
2354933E	CONCRETE	1986	CHANTRY DR, E/S, 230' S/O CACTUS AVE	10672040	9500L	-117.212671895	33.9094465959	25	1491962
2354935E	CONCRETE	1986	WHITE WOOD CIR, S/S COR/O CHANTRY DR	10672040	9500L	-117.212242018	33.9085034719	25	1491962
2354936E	CONCRETE	1986	WHITE WOOD CIR, E/S, 215' N/O FIGWOOD WY	10672040	9500L	-117.212732558	33.9080200540	25	1491962
2354938E	CONCRETE	1986	BLACKBUSH RD, E/S, 180' S/O WHITE WOOD CIR	10672040	9500L	-117.209514571	33.9082140077	25	1491962
2354940E	CONCRETE	1986	BLACKBUSH RD, W/S, 145' N/O FIGWOOD WY	10672040	9500L	-117.209693293	33.9077762050	25	1491962
2354941E	CONCRETE	1986	FIGWOOD WY, S/E COR/O BLACKBUSH RD	10672040	9500L	-117.209617588	33.9073045595	25	1491962
2354942E	CONCRETE	1986	ROSEMARY AVE, N/E COR/O FIGWOOD WY	10672040	9500L	-117.210498686	33.9074026588	25	1491962
2354943E	CONCRETE	1986	ROSEMARY AVE, W/S, 242' N/O FIGWOOD WY	10672040	9500L	-117.210645242	33.9079930126	25	1491962
2354944E	CONCRETE	1986	CANDOR CT, E/S, 145' N/O FIGWOOD WY	10672040	9500L	-117.211497070	33.9078326751	25	1491962
2354945E	CONCRETE	1986	FIGWOOD WY, N/W COR/O CANDOR CT	10672040	9500L	-117.211674334	33.9074302001	25	1491962
2354946E	CONCRETE	1986	FIGWOOD WY, S/S, 150' E/O WHITE WOOD CIR	10672040	9500L	-117.212521218	33.9073057890	25	1491962
2354947E	CONCRETE	1986	FIGWOOD WY, S/S, 180' W/O ROSEMARY AVE	10672040	9500L	-117.211226837	33.9073228628	25	1491962
2354948E	CONCRETE	1986	ROSEMARY AVE, W/S, 150' N/O DELPHINIUM AVE	10672040	9500L	-117.210655423	33.9069217206	25	1491962
2354950E	CONCRETE	1986	DELPHINIUM AVE, N/S, 225' W/O LASSELLE ST	10672040	9500L	-117.209577704	33.9064338672	25	1491962
2307299E	CONCRETE	1984	LASSELLE ST, W/S, 450 S/O DELPHINIUM	10672040	22000L	-117.208967220	33.9051579481	29	1491960
2347839E	CONCRETE	1986	LASSELLE ST, W/S, 285' S/O CACTUS AVE	10672040	22000L	-117.208982505	33.9095554004	29	1491960
2354939E	CONCRETE	1986	LASSELLE ST, W/S, 385' N/O DELPHINIUM AVE	10672040	22000L	-117.208991015	33.9073259737	29	1491960
2354949E	CONCRETE	1986	DELPHINIUM AVE, N/S, 210' W/O ROSEMARY AVE	10672040	9500L	-117.210678520	33.9064364018	25	1491962
4064322E	CONCRETE	1989	E/S MORENO BEACH, 1675' S/O CACTUS	10672049	22000L	-117.173943548	33.9055045162	29	1491960
4064315E	CONCRETE	1989	E/S MORENO BEACH, 275' S/O CACTUS	10672049	22000L	-117.173902932	33.9094265588	29	1491960
4064316E	CONCRETE	1989	E/S MORENO BEACH, 475' S/O CACTUS	10672049	22000L	-117.173917233	33.9088764983	29	1491960
4064317E	CONCRETE	1989	E/S MORENO BEACH, 675' S/O CACTUS	10672049	22000L	-117.173931317	33.9083074103	29	1491960
4064318E	CONCRETE	1989	E/S MORENO BEACH, 906' S/O CACTUS	10672049	22000L	-117.173924335	33.9077992715	29	1491960
4064320E	CONCRETE	1989	E/S MORENO BEACH, 1275' S/O CACTUS	10672049	22000L	-117.173935655	33.9066182577	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4064321E	CONCRETE	1989	E/S MORENO BEACH, 1475' S/O CACTUS	10672049	22000L	-117.173925078	33.9060644647	29	1491960
4532884E	CONCRETE	2007	E/S MORENO BEACH, 1075' S/O CACTUS	10672049	22000L	-117.173903107	33.9071682151	26	1491960
4057328E	CONCRETE	1989	N/S J.F.K., 3350' E/O MORENO BEACH	10672052	9500L	-117.164174119	33.9054688150	25	1491962
4057329E	CONCRETE	1989	S/S J.F.K., 3512' E/O MORENO BEACH	10672052	9500L	-117.163306311	33.9056146015	25	1491962
4064302E	CONCRETE	1989	S/S CACTUS, 495' E/O MORENO BEACH	10672052	9500L	-117.172304663	33.9100333198	25	1491962
4064303E	CONCRETE	1989	S/S CACTUS, 895' E/O MORENO BEACH	10672052	9500L	-117.171000842	33.9100504196	25	1491962
4064304E	CONCRETE	1989	S/S CACTUS, 1295' E/O MORENO BEACH	10672052	9500L	-117.169752618	33.9100671832	25	1491962
4064305E	CONCRETE	1989	S/S CACTUS, 1685' E/O MORENO BEACH	10672052	9500L	-117.168428987	33.9100642493	25	1491962
4064306E	CONCRETE	1989	S/S CACTUS, 2125' E/O MORENO BEACH	10672052	9500L	-117.167069527	33.9100642602	25	1491962
4064307E	CONCRETE	1989	S/S CACTUS, 2565' E/O MORENO BEACH	10672052	9500L	-117.165555373	33.9100695651	25	1491962
4064308E	CONCRETE	1989	S/S CACTUS, 3045' E/O MORENO BEACH	10672052	9500L	-117.163954693	33.9100791109	25	1491962
4405524E	CONCRETE	2002	STEPHENSON ST E/S, 1035' N/O C/L JOHN F. KENNEDY DR	10672052	9500L	-117.172523087	33.9054733730	27	1491962
4405980E	CONCRETE	2002	PETE DYE ST W/S, 900' N/O JOHN F. KENNEDY DR	10672052	9500L	-117.169893688	33.9054768661	27	1491962
4405981E	CONCRETE	2002	PETE DYE ST W/S, 1120' N/O JOHN F. KENNEDY DR	10672052	9500L	-117.170031794	33.9059495172	27	1491962
4057330E	CONCRETE	1989	N/S J.F.K., 3685' E/O MORENO BEACH	10672055	9500L	-117.162648933	33.9059043182	25	1491962
4057331E	CONCRETE	1989	S/S J.F.K., 3912' E/O MORENO BEACH	10672055	9500L	-117.162093283	33.9060341155	25	1491962
4057332E	CONCRETE	1989	N/S J.F.K., 4112' E/O MORENO BEACH	10672055	9500L	-117.161430438	33.9064317577	25	1491962
4057333E	CONCRETE	1989	S/S J.F.K., 4312' E/O MORENO BEACH	10672055	9500L	-117.160603077	33.9065995898	25	1491962
4057334E	CONCRETE	1989	N/S J.F.K., 4487' E/O MORENO BEACH	10672055	9500L	-117.159968547	33.9068265875	25	1491962
4057335E	CONCRETE	1989	S/S J.F.K., 4685' E/O MORENO BEACH	10672055	9500L	-117.159128946	33.9068362858	25	1491962
4057336E	CONCRETE	1989	N/S J.F.K., 4930' E/O MORENO BEACH	10672055	9500L	-117.157846184	33.9071687714	25	1491962
4057337E	CONCRETE	1989	S/S J.F.K., 5118' E/O MORENO BEACH	10672055	9500L	-117.157342779	33.9073486710	25	1491962
4057338E	CONCRETE	1989	W/S J.F.K., 5310' E/O MORENO BEACH	10672055	9500L	-117.157031794	33.9078675589	25	1491962
4057340E	CONCRETE	1989	W/S J.F.K., 5692' E/O MORENO BEACH	10672055	9500L	-117.156787491	33.9087761704	25	1491962
4057341E	CONCRETE	1989	E/S J.F.K., 5884' E/O MORENO BEACH	10672055	9500L	-117.156649106	33.9094119654	25	1491962
4057342E	CONCRETE	1989	W/S J.F.K., 6081' E/O MORENO BEACH	10672055	9500L	-117.156784125	33.9098190188	25	1491962
4064309E	CONCRETE	1989	S/S CACTUS, 3455' E/O MORENO BEACH	10672055	9500L	-117.162744138	33.9100815162	25	1491962
4064310E	CONCRETE	1989	S/S CACTUS, 3885' E/O MORENO BEACH	10672055	9500L	-117.161214604	33.9100772204	25	1491962
4064311E	CONCRETE	1989	S/S CACTUS, 4265' E/O MORENO BEACH	10672055	9500L	-117.159905656	33.9100641011	25	1491962
4064312E	CONCRETE	1989	S/S CACTUS, 4615' E/O MORENO BEACH	10672055	9500L	-117.158728847	33.9100752362	25	1491962
4064313E	CONCRETE	1989	S/S CACTUS, 4975' E/O MORENO BEACH	10672055	9500L	-117.157571323	33.9100691686	25	1491962
4064314E	CONCRETE	1989	S/S CACTUS, 5325' E/O MORENO BEACH	10672055	9500L	-117.156419939	33.9100754434	25	1491962
4112013E	CONCRETE	1989	S/S CACTUS, 461' E/O JFK	10672055	9500L	-117.155200539	33.9100757293	25	1491962
4112014E	CONCRETE	1989	S/S CACTUS, 869' E/O JFK	10672055	9500L	-117.153689997	33.9100904630	25	1491962
4522502E	CONCRETE	2004	AVALON AVE N/S 105' W/O SEVILLA CT	10672055	9500L	-117.161194551	33.9060525936	27	1491962
4522503E	CONCRETE	2004	AVALON AVE N/S; 45' E/O SEVILLA CT	10672055	9500L	-117.159246697	33.9064845798	27	1491962
4522504E	CONCRETE	2004	SEVILLA CT E/S; 39' S/O AVALON AVE	10672055	9500L	-117.159309634	33.9063130212	27	1491962
4522505E	CONCRETE	2004	SEVILLA CT CUL-DE-SAC; 195' S/O AVALON AVE	10672055	9500L	-117.159277124	33.9060012210	27	1491962
4522506E	CONCRETE	2004	AVALON AVE N/S; 40' E/O CATALINA CT	10672055	9500L	-117.158307074	33.9065694222	27	1491962
4522507E	CONCRETE	2004	CATALINA CT E/S; 107' S/O AVALON AVE	10672055	9500L	-117.158290323	33.9062274284	27	1491962
4522508E	CONCRETE	2004	CATALINA CT CUL-DE-SAC 283' S/O AVALON AVE	10672055	9500L	-117.158192289	33.9057580855	27	1491962
4522509E	CONCRETE	2004	AVALON AVE N/S; 30' W/O TOLEDO CT	10672055	9500L	-117.157693088	33.9067360458	27	1491962
4522510E	CONCRETE	2004	TOLEDO CT E/S; 125' S/O AVALON AVE	10672055	9500L	-117.157323325	33.9065200547	27	1491962
4522511E	CONCRETE	2004	TOLEDO CT CUL-DE-SAC; 310' S/O AVALON AVE	10672055	9500L	-117.157074573	33.9060594612	27	1491962
4522512E	CONCRETE	2004	BARCEONA CT S/S 132' W/O AVALON AVE	10672055	9500L	-117.156402191	33.9087733007	27	1491962
4522513E	CONCRETE	2004	AVALON AVE W/S; 200' S/O BARCELONA CT	10672055	9500L	-117.156167915	33.9081969221	27	1491962
4522514E	CONCRETE	2004	AVALON AVE W/S; 5' S/O CANTABRIA CT	10672055	9500L	-117.156486629	33.9076092950	27	1491962
4522515E	CONCRETE	2004	AVALON AVE NW/S; 25' SW/O CADIZ CT	10672055	9500L	-117.156983755	33.9071162508	27	1491962
4522516E	CONCRETE	2004	CADIZ CT SW/S; 170' SE/O AVALON AVE	10672055	9500L	-117.156566017	33.9067506504	27	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4522517E	CONCRETE	2004	CADIZ CT CUL-DE-SAC; 355' SE/O AVALON AVE	10672055	9500L	-117.156199360	33.9064038442	27	1491962
4522518E	CONCRETE	2004	CANTABRIA CT NE/S; 200' E/O AVALON AVE	10672055	9500L	-117.155856027	33.9073338689	27	1491962
4522519E	CONCRETE	2004	CANTABRIA CT NW/S; CL/O VASCO WY	10672055	9500L	-117.155413544	33.9067558576	27	1491962
4522520E	CONCRETE	2004	CANTABRIA CT CUL-DE-SAC; 147' S/O VASCO WY	10672055	9500L	-117.155109673	33.9064217772	27	1491962
4522528E	CONCRETE	2004	BARCELONA CT S/S 40' E/O AVALON AVE	10672055	9500L	-117.155841400	33.9087200367	27	1491962
4522529E	CONCRETE	2004	BARCELONA CT N/S 5' E/O CORDOBA CT	10672055	9500L	-117.155057436	33.9087776956	27	1491962
4522530E	CONCRETE	2004	BARCELONA CT CUL-DE-SAC 191' E/O CORDOBA C	10672055	9500L	-117.154164325	33.9086706020	27	1491962
4522531E	CONCRETE	2004	CORDOBA CT E/S, 202' S/O BARCELONA CT	10672055	9500L	-117.155150895	33.9081932181	27	1491962
4522532E	CONCRETE	2004	CORDOBA CT CUL-DE-SAC, 320' S/O BARCELONA C	10672055	9500L	-117.155361566	33.9079048006	27	1491962
4515527E	CONCRETE	2004	SOMERSET DR N/S, 96' W/O TERRACE WY	10672055	9500L	-117.159760468	33.9064051514	27	1491962
4515528E	CONCRETE	2004	SOMERSET DR S/S, 46' W/O DURHAM CIR	10672055	9500L	-117.160269856	33.9062120339	27	1491962
4515529E	CONCRETE	2004	SOMERSET DR N/S, 100' E/O PROVINCE CIR	10672055	9500L	-117.160702350	33.9061804164	27	1491962
4515530E	CONCRETE	2004	SOMERSET DR S/S, 84' W/O PROVINCE CIR	10672055	9500L	-117.161430076	33.9058673057	27	1491962
4515531E	CONCRETE	2004	SOMERSET DR N/S, 11' W/O NORFOLK CIR	10672055	9500L	-117.161974060	33.9057079508	27	1491962
4515532E	CONCRETE	2004	SOMERSET DR S/S, 50' E/O RYDER WY	10672055	9500L	-117.162520175	33.9053709843	27	1491962
4515534E	CONCRETE	2004	SOMERSET DR N/S, 110' W/O RYDER WY	10672055	9500L	-117.163003347	33.9052801646	27	1491962
4514300E	CONCRETE	2004	DURHAM CIR E/S, 142' S/O SOMERSET DR	10672055	9500L	-117.159886897	33.9059103668	27	1491962
4564946E	CONCRETE	2004	PROVINCE CIR W/S, 175' S/O SOMERSET DR	10672055	9500L	-117.160853800	33.9055117107	27	1491962
4522501E	CONCRETE	2006	SEVILLA CT W/S; 130' N/O AVALON AVE	10672055	9500L	-117.159510950	33.9066948899	27	1491962
4522521E	CONCRETE	2006	VASCO WY W/S; 215' N/O CANTABRIA CT	10672055	9500L	-117.154963485	33.9072589931	27	1491962
4522522E	CONCRETE	2006	VASCO WY E/S; 463' N/O CANTABRIA CT	10672055	9500L	-117.154419590	33.9076408840	27	1491962
4522523E	CONCRETE	2006	ALICANTE AVE S/S CL/O MADRID AVE	10672055	9500L	-117.153835772	33.9094875441	27	1491962
4522524E	CONCRETE	2006	ALICANTE AVE N/S 150' W/O MADRID AVE	10672055	9500L	-117.154347695	33.9095810610	27	1491962
4522525E	CONCRETE	2006	ALICANTE AVE S/S 218' E/O AVALON AVE	10672055	9500L	-117.155162068	33.9095267474	27	1491962
4522526E	CONCRETE	2006	AVALON AVE W/S 30' S/O ALICANTE AVE	10672055	9500L	-117.155980596	33.9094919875	27	1491962
4522527E	CONCRETE	2006	AVALON AVE E/S 41' N/O BARCELONA CT	10672055	9500L	-117.155911291	33.9089081968	27	1491962
4522533E	CONCRETE	2006	VASCO WY W/S; 522' S/O ALICANTE AVE	10672055	9500L	-117.153953715	33.9082171596	27	1491962
4522534E	CONCRETE	2006	VASCO WY E/S 340' S/O ALICANTE AVE	10672055	9500L	-117.153379907	33.9086279267	27	1491962
4057339E	CONCRETE	1989	E/S J.F.K., 5502' E/O MORENO BEACH	10672055	9500L	-117.156689804	33.9082740239	25	1491962
4112015E	CONCRETE	1989	S/S CACTUS, 1269' E/O JFK	10672058	9500L	-117.152478769	33.9100914928	25	1491962
4522535E	CONCRETE	2006	VASCO WY W/S 133' S/O ALICANTE AVE	10672058	9500L	-117.153213274	33.9091079987	27	1491962
4522536E	CONCRETE	2006	ALICANTE AVE N/S CL/O VASCO WY	10672058	9500L	-117.153166526	33.9095594139	27	1491962
4522537E	CONCRETE	2006	ALICANTE AVE S/S 280' E/O VASCO WY	10672058	9500L	-117.152407719	33.9094850614	27	1491962
4522538E	CONCRETE	2006	ALICANTE AVE N/S; 474' E/O VASCO WY	10672058	9500L	-117.151346160	33.9094859356	27	1491962
4522539E	CONCRETE	2006	ALICANTE AVE CUL-DE-SAC; 671' E/O VASCO WY	10672058	9500L	-117.150645605	33.9094864192	27	1491962
4300496E	CONCRETE	1995	DAY ST E/S, 1155' S/O ALESSANDRO BLVD	10692019	22000L	-117.278808697	33.9135506672	28	1491960
4449865E	CONCRETE	2000	CACTUS AVE. N/S 730' W/O ELSWORTH	10692019	22000L	-117.272942127	33.9101704234	32	1491960
4449866E	CONCRETE	2000	CACTUS AVE. N/S APPX. 910' W/O ELSWORTH	10692019	22000L	-117.273442450	33.9101142793	32	1491960
4449867E	CONCRETE	2000	CACTUS AVE. N/S C/O COMMERCE CENTER DR.	10692019	22000L	-117.274618877	33.9100039129	32	1491960
4449869E	CONCRETE	2000	COMMERCE CENTER DR. APPX. 360' N/O CACTUS	10692019	9500L	-117.274721092	33.9109139584	27	1491960
4449870E	CONCRETE	2000	COMMERCE CENTER DR. APPX. 410' N/O CACTUS	10692019	9500L	-117.274852642	33.9112337406	27	1491960
4449871E	CONCRETE	2000	GOLDENCREST DR. N/S APPX. 150' W/O COMMER	10692019	9500L	-117.274273252	33.9116816859	27	1491960
4449872E	CONCRETE	2000	GOLDENCREST DR APPX. S/S 380' W/O COMMERCE	10692019	9500L	-117.273551166	33.9115545198	27	1491960
4449873E	CONCRETE	2000	GOLDENCREST DR APPR. S/S 420' WO COMMERCE	10692019	9500L	-117.273315726	33.9116727971	27	1491960
4513558E	CONCRETE	2006	DAY ST E/S, 694' N/O CACTUS AV	10692019	22000L	-117.278801946	33.9113037640	32	1491960
4513559E	CONCRETE	2006	DAY ST E/S, 914' N/O CACTUS AV	10692019	22000L	-117.278819925	33.9118660192	32	1491960
4513560E	CONCRETE	2006	DAY ST E/S, 1098' N/O CACTUSAV	10692019	22000L	-117.278812967	33.9139405919	32	1491960
4709222E	CONCRETE	2010	OLD 215 FRONTAGE RD E/S, 1205' S/O C/L ALESSA	10692019	22000L	-117.281932582	33.9136524554	32	1491960
4304865E	CONCRETE	1996	CACTUS N/S 700' W/O C/L ELSWORTH	10692019	22000L	-117.272564155	33.9101699331	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4449868E	CONCRETE	2000	COMMERCE CENTER DR. APPX. 180' N/O CACTUS	10692019	9500L	-117.274718162	33.9105694397	27	1491960
4065607E	CONCRETE	1991	NEWHOPE ST. E/S, 197' N/O C/L CACTUS AVE.	10692022	9500L	-117.266414608	33.9107608710	25	1491962
4065608E	CONCRETE	1991	NEWHOPE ST. W/S, 205' N/O C/L CACTUS AVE.	10692022	9500L	-117.266546142	33.9107350645	25	1491962
4065609E	CONCRETE	1991	S/W C/O NEWHOPE ST. & GOLDENCREST AVE.	10692022	9500L	-117.266570074	33.9112433307	25	1491962
4065610E	CONCRETE	1991	NEWHOPE ST. E/S ON C/L GOLDENCREST AVE. EX	10692022	9500L	-117.266408593	33.9113737245	25	1491962
4065611E	CONCRETE	1991	GOLDENCREST AVE. N/S, 193' W/O C/L NEWHOPE	10692022	9500L	-117.267095478	33.9113873574	25	1491962
4065612E	CONCRETE	1991	GOLDENCREST AVE. S/S, 283' W/O C/L NEWHOPE	10692022	9500L	-117.267412473	33.9113019625	25	1491962
4065613E	CONCRETE	1991	GOLDENCREST AVE. N/S, 435' W/O C/L NEWHOPE	10692022	9500L	-117.268040755	33.9114685627	25	1491962
4065614E	CONCRETE	1991	GOLDENCREST AVE. N/S, 489' E/O C/L ELSWORTH	10692022	9500L	-117.268620024	33.9115935579	25	1491962
4065615E	CONCRETE	1991	GOLDENCREST AVE. S/S, 489' E/O C/L ELSWORTH	10692022	9500L	-117.268613560	33.9115031934	25	1491962
4065617E	CONCRETE	1991	GOLDENCREST AVE. S/S, 327' E/O C/L ELSWORTH	10692022	9500L	-117.269113791	33.9115282994	25	1491962
4065618E	CONCRETE	1991	GOLDENCREST AVE. N/S, 140' E/O C/L ELSWORTH	10692022	9500L	-117.269679767	33.9116549404	25	1491962
4065619E	CONCRETE	1991	GOLDENCREST AVE. S/S, 140' E/O C/L ELSWORTH	10692022	9500L	-117.269663977	33.9115649663	25	1491962
4065623E	CONCRETE	1992	NEWHOPE ST. E/S, 163' N/O C/L GOLDENCREST A	10692022	9500L	-117.266420516	33.9118298020	25	1491962
4065624E	CONCRETE	1992	NEWHOPE ST. W/S, 163' N/O C/L GOLDENCREST A	10692022	9500L	-117.266575187	33.9118093133	25	1491962
4065625E	CONCRETE	1992	NEWHOPE ST. E/S, 365' N/O C/L GOLDENCREST A	10692022	9500L	-117.266372921	33.9122698755	25	1491962
4065626E	CONCRETE	1992	NEWHOPE ST. W/S, 365' N/O C/L GOLDENCREST A	10692022	9500L	-117.266563755	33.9122408476	25	1491962
4065627E	CONCRETE	1992	NEWHOPE ST. E/S, 543' N/O C/L GOLDENCREST A	10692022	9500L	-117.266396091	33.9128412797	25	1491962
4065628E	CONCRETE	1992	NEWHOPE ST. W/S, 543' N/O C/L GOLDENCREST A	10692022	9500L	-117.266530822	33.9128072096	25	1491962
4065629E	CONCRETE	1992	NEWHOPE ST. E/S, 733' N/O C/L GOLDENCREST A	10692022	9500L	-117.266376489	33.9131382269	25	1491962
4065630E	CONCRETE	1992	NEWHOPE ST. W/S, 733' N/O C/L GOLDENCREST A	10692022	9500L	-117.266518272	33.9131425732	25	1491962
4065631E	CONCRETE	1992	ELSWORTH ST. E/S, 112' N/O C/L GOLDENCREST A	10692022	9500L	-117.270047003	33.9119742277	25	1491962
4065632E	CONCRETE	1992	ELSWORTH ST. E/S, 339' N/O C/L GOLDENCREST A	10692022	9500L	-117.270025686	33.9125790476	25	1491962
4065633E	CONCRETE	1992	ELSWORTH ST. E/S, 569' N/O C/L GOLDENCREST A	10692022	9500L	-117.270016603	33.9132100918	25	1491962
4150901E	CONCRETE	1989	W/S ELSWORTH, 1127' S/O ALESSANDRO	10692022	9500L	-117.270120275	33.9138477474	25	1491962
4150907E	CONCRETE	1989	S/S BUSINESS CENTER DR., 394' W/O ELSWORTH	10692022	9500L	-117.271493745	33.9141325382	25	1491962
4150908E	CONCRETE	1989	S/S BUSINESS CENTER DR., 234' W/O ELSWORTH	10692022	9500L	-117.270887069	33.9141155120	25	1491962
4269258E	CONCRETE	1993	GOLDENCREST AV N/S 327' E/O C/L ELSWORTH ST	10692022	9500L	-117.269099466	33.9116260443	25	1491962
4004812E	CONCRETE	1988	RESOURCE WAY N/S, 601' W/O FREDERICK	10692022	9500L	-117.262988032	33.9127958000	25	1491962
4004813E	CONCRETE	1988	DAN ST S/S, 801' W/O FREDERICK	10692022	9500L	-117.263627842	33.9126893316	25	1491962
4004814E	CONCRETE	1988	DAN ST N/S, 1001' W/O FREDERICK	10692022	9500L	-117.264300816	33.9127676137	25	1491962
4004815E	CONCRETE	1988	EVIE ST W/S, 1695' W/O FREDERICK	10692022	9500L	-117.264988532	33.9127759056	25	1491962
4004816E	CONCRETE	1988	EVIE ST E/S, 1507' W/O FREDERICK	10692022	9500L	-117.264851064	33.9132673676	25	1491962
4065601E	CONCRETE	1991	CACTUS AVE. N/S, 158' E/O C/L ELSWORTH ST.	10692022	22000L	-117.269759733	33.9101757849	29	1491960
4065602E	CONCRETE	1991	CACTUS AVE. N/S, 338' E/O C/L ELSWORTH ST.	10692022	22000L	-117.269064481	33.9101924441	29	1491960
4065603E	CONCRETE	1991	CACTUS AVE. N/S, 536' E/O C/L ELSWORTH ST.	10692022	22000L	-117.268478029	33.9102109610	29	1491960
4065604E	CONCRETE	1991	CACTUS AVE. N/S, 302' W/O C/L NEWHOPE ST.	10692022	22000L	-117.267466010	33.9101972153	29	1491960
4065605E	CONCRETE	1991	N/W COR/O CACTUS AVE & NEWHOPE ST	10692022	22000L	-117.266693794	33.9101723055	29	1491960
4065606E	CONCRETE	1991	CACTUS AVE. N/S, 195' E/O C/L NEWHOPE ST.	10692022	22000L	-117.265847711	33.9101806361	29	1491960
4065620E	CONCRETE	1991	S/E C/O ELSWORTH ST. & GOLDENCREST AVE.	10692022	22000L	-117.270050828	33.9115826866	29	1491960
4065621E	CONCRETE	1991	ELSWORTH ST. E/S, 306' N/O C/L CACTUS AVE.	10692022	22000L	-117.270079952	33.9109886915	29	1491960
4529604E	CONCRETE	2006	ELSWORTH ST. E/S, 158' N/O C/L CACTUS AVE.	10692022	22000L	-117.270094398	33.9105751699	27	1491960
4165669E	CONCRETE	1995	GOLDENCREST SW C/O ARICAL CT.	10692022	22000L	-117.271365797	33.9115708082	29	1491960
4304863E	CONCRETE	1996	CACTUS N/S 293' W/O C/L ELSWORTH	10692022	22000L	-117.271224649	33.9101399268	29	1491960
4304864E	CONCRETE	1996	CACTUS N/S 502' W/O C/L ELSWORTH	10692022	22000L	-117.271957872	33.9101550889	29	1491960
4304866E	CONCRETE	1996	ARICAL W/S S/O GOLDENCREST	10692022	9500L	-117.271333810	33.9110941254	25	1491960
4536727E	CONCRETE	2005	CORPORATE W/S, 75' S/O C/L CALLE SAN JUAN DE	10692022	22000L	-117.264986567	33.9142180573	32	1491962
4004810E	CONCRETE	1988	DAN ST N/S, 200' W/O FREDERICK	10692025	9500L	-117.261683321	33.9128019952	25	1491962
4004811E	CONCRETE	1988	DAN ST S/S, 401' W/O FREDERICK	10692025	9500L	-117.262304850	33.9127224727	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4062846E	CONCRETE	1989	N/S CACTUS, 60' W/O FREDERICK	10692025	22000L	-117.261173251	33.9102256309	29	1491960
4004808E	CONCRETE	1988	FREDERICK ST W/S, 1307' S/O ALESSANDRO	10692025	22000L	-117.261099111	33.9136333737	29	1491960
4004809E	CONCRETE	1988	FREDERICK ST W/S, 1483' S/O ALESSANDRO	10692025	22000L	-117.261084081	33.9131542436	29	1491960
4062847E	CONCRETE	1989	W/S FREDERICK, 300' N/O CACTUS	10692025	22000L	-117.261066857	33.9110435593	29	1491960
4062848E	CONCRETE	1989	W/S FREDERICK, 60' S/O RESOURCE ST.	10692025	22000L	-117.261082183	33.9126395548	29	1491960
4371648E	CONCRETE	2002	FREDERICK ST E/S, 110' S/O BRODIAEA AVE	10692025	22000L	-117.260980573	33.9140981852	32	1491960
4371649E	CONCRETE	2002	FREDERICK ST E/S 329' S/O BRODIAEA AVE	10692025	22000L	-117.260961350	33.9135679064	32	1491960
4371650E	CONCRETE	2002	FREDERICK ST E/S, 632' S/O BRODIAEA AVE	10692025	22000L	-117.260960298	33.9127511676	32	1491960
2315177E	CONCRETE	1985	SUSANA CT, S/S, 270' W/O UNITYCT	10692028	9500L	-117.242772056	33.9105754632	25	1491962
2203807E	CONCRETE	1979	NORTH END TRAVERS CT 220' N/O POWELL PL	10692028	9500L	-117.242945739	33.9127492166	30	1491962
2203808E	CONCRETE	1979	S/S POWELL PL 140' E/O HEACOCK ST	10692028	9500L	-117.243057575	33.9122155120	30	1491962
2292349E	CONCRETE	1984	TRAVERS ST E/S 250 N/O BRODIAEA	10692028	9500L	-117.242938057	33.9144177060	25	1491962
2292350E	CONCRETE	1983	TRAVERS E/S 70 N/O BRODIAEA	10692028	9500L	-117.242918964	33.9139450039	30	1491962
2315178E	CONCRETE	1985	SUSANA CT, ES, 400' W/O UNITY CT	10692028	9500L	-117.242810100	33.9110148828	25	1491962
2315179E	CONCRETE	1985	SUSANA CT, CUL-DE-SAC, W/O UNITY CT	10692028	9500L	-117.242905401	33.9115438259	25	1491962
4271817E	CONCRETE	1994	CACTUS N/S 260' E/O GRAHAM C/L	10692028	22000L	-117.251487979	33.9102840695	28	1491960
4271818E	CONCRETE	1994	CACTUS AVE N/S 510' E/O GRAHAM	10692028	22000L	-117.250333421	33.9102845030	28	1491960
2315180E	CONCRETE	1985	CACTUS AVE, N/E COR/O HEACOCK ST	10692028	22000L	-117.243516939	33.9102906507	29	1491960
2352403E	CONCRETE	1989	HEACOCK AVE, E/S, 200' S/O CACTUS	10692028	22000L	-117.243527494	33.9097150252	29	1491960
4230298E	CONCRETE	1997	HEACOCK ST W/S 260' S/O POWELL PLACE	10692028	22000L	-117.243765765	33.9115614136	29	1491960
4230300E	CONCRETE	1997	HEACOCK ST W/S, 210' N/O POWELL PL	10692028	22000L	-117.243740068	33.9126304043	29	1491960
4316927E	CONCRETE	1997	HEACOCK ST W/S 287' N/O C/L CACTUS	10692028	22000L	-117.243708169	33.9110912034	29	1491960
4317078E	CONCRETE	1997	HEACOCK ST W/S, 170' N/O BRODIAEA AVE	10692028	22000L	-117.243743282	33.9141460718	29	1491960
4525046E	CONCRETE	2005	GRAHAM ST E/S, 450' N/O C/L CACTUS AV	10692028	22000L	-117.252378960	33.9114293613	32	1491960
2014335E	CONCRETE	1973	W/S JUSTIN PL 300' N/O GLENCREST	10692031	5800L	-117.236863761	33.9095123787	25	1491962
2014339E	CONCRETE	1973	W/S CORDON PL 300' N/O GLENCREST	10692031	5800L	-117.238288978	33.9094371810	25	1491962
2014342E	CONCRETE	1973	W/S PERHAM DR 200' S/O CACTUS	10692031	5800L	-117.239074855	33.9094731432	25	1491962
2014344E	CONCRETE	1973	S/S CACTUS 580' W/O INDIAN	10692031	5800L	-117.236726412	33.9099964631	25	1491962
2014346E	CONCRETE	1973	S/S CACTUS 220' E/O PERHAM DR	10692031	5800L	-117.238358309	33.9099517274	25	1491962
2091139E	CONCRETE	1976	N/S BOSTWICK DR 380' S/W OF ST JAMES DR	10692031	5800L	-117.236929442	33.9105051529	25	1491962
2091141E	CONCRETE	1976	S/S BOSTWICK DR 554' W/O INDIAN ST	10692031	5800L	-117.237293016	33.9105957147	25	1491962
2091142E	CONCRETE	1976	N/S BOSTWICK DR 743' W/O INDIAN ST	10692031	5800L	-117.237794487	33.9106384759	25	1491962
2091147E	CONCRETE	1976	BOSTWICK DR 914' W/O INDIAN ST	10692031	5800L	-117.238416120	33.9105236439	25	1491962
2091242E	CONCRETE	1976	PERHAM DR W/S 10 N/O BOSTWICK DR	10692031	5800L	-117.238861336	33.9105476002	25	1491962
2203851E	CONCRETE	1982	S/S CACTUS BLVD. 370'E/O PERHAM	10692031	5800L	-117.237792045	33.9099489298	25	1491962
2091138E	CONCRETE	1976	W/S BOSTWICK DR 240' S/O ST JAMES DR	10692031	5800L	-117.235597911	33.9105074118	25	1491962
2091143E	CONCRETE	1976	S/S ST JAMES DR 734' W/O INDIAN ST	10692031	5800L	-117.237296949	33.9113850360	25	1491962
2091144E	CONCRETE	1976	N/S ST JAMES DR 554' W/O INDIAN ST	10692031	5800L	-117.236693378	33.9113893920	25	1491962
2091145E	CONCRETE	1976	S/S ST JAMES DR 374' W/O INDIAN ST	10692031	5800L	-117.236651330	33.9112658079	25	1491962
2091148E	CONCRETE	1976	N/S ST JAMES DR 914' W/O INDIAN ST	10692031	5800L	-117.238021037	33.9113738223	25	1491962
2091149E	CONCRETE	1976	W/S PERHAM DR 10' N/O ST JAMES DR	10692031	5800L	-117.238799009	33.9114219015	25	1491962
2091150E	CONCRETE	1976	E/S PERHAM DR 110' S/O ST JAMES DR	10692031	5800L	-117.238685956	33.9110656187	25	1491962
2091137E	CONCRETE	1976	E/S BOSTWICK DR 120' S/O ST JAMES DR	10692031	5800L	-117.235615946	33.9109359615	25	1491962
2091140E	CONCRETE	1976	CACTUS AVE 554' W/O INDIAN ST	10692031	9500L	-117.236654572	33.9100711215	25	1491962
2091146E	CONCRETE	1976	N/S CACTUS AVE 914' W/O INDIAN ST	10692031	9500L	-117.237842816	33.9100272267	25	1491962
2150676E	CONCRETE	1978	CACTUS AVE S/S W/O JOSHUA TREE	10692031	9500L	-117.241096020	33.9099720624	25	1491962
2150677E	CONCRETE	1978	C/O CACTUS AV & JOSHUA TREE AV	10692031	9500L	-117.239985105	33.9099561254	25	1491962
2150678E	CONCRETE	1978	JOSHUA TREE E/S, E/O SILVERWOOD LN	10692031	9500L	-117.239833077	33.9095638311	25	1491962
2150681E	CONCRETE	1978	SILVERWOOD LN S/S, W/O JOSHUA TREE AV	10692031	9500L	-117.240437628	33.9094635735	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2150682E	CONCRETE	1978	SILVERWOOD LN END/O, W/O JOSHUA TREE	10692031	9500L	-117.241175501	33.9095506578	25	1491962
2245725E	CONCRETE	1983	N/S CACTUS 135 E/O ETERNAL	10692031	9500L	-117.240691910	33.9100851840	30	1491962
2245726E	CONCRETE	1983	W/S ETERNAL 10 S/O LINNEAL	10692031	9500L	-117.241146542	33.9106279036	30	1491962
2245727E	CONCRETE	1983	N/S LINNEAL 130 E/O ETERNAL	10692031	9500L	-117.240666629	33.9106845426	30	1491962
2245728E	CONCRETE	1983	N/S LINNEAL 330 E/O ETERNAL	10692031	9500L	-117.240129581	33.9106858339	30	1491962
2245785E	CONCRETE	1987	W/S PEACE AV 189' S/O CACTUS AV	10692031	9500L	-117.242050482	33.9096215591	25	1491962
2315173E	CONCRETE	1985	UNITY CT E/S, AT SUSANA CT EXT.	10692031	9500L	-117.241956569	33.9105761502	25	1491962
2315176E	CONCRETE	1985	SUSANA CT, S/S, 95' W/O UNITY CT	10692031	9500L	-117.242297473	33.9105501420	25	1491962
2245737E	CONCRETE	1983	E/O TUSCARORA 340 E/O SAYAN PL	10692031	9500L	-117.234507717	33.9106319361	30	1491962
2245738E	CONCRETE	1983	S/S TUSCARORA 190 E/O SAYAN	10692031	9500L	-117.234023805	33.9105571003	30	1491962
2245739E	CONCRETE	1983	N/S TUSCARORA 65 E/O SAYAN PL	10692031	9500L	-117.233558368	33.9106896149	25	1491962
2150613E	CONCRETE	1979	S/S BRODIAEA AVE 15' E/O STONEHURST DR	10692031	9500L	-117.236715582	33.9136647715	25	1491962
2150614E	CONCRETE	1979	E/S STONEHURST DR 150' S/O BRODIAEA AVE	10692031	9500L	-117.236706904	33.9132030187	25	1491962
2150617E	CONCRETE	1979	E/S STONEHURST DR 150' S/O MURAL CT	10692031	9500L	-117.236609207	33.9126409863	25	1491962
2150620E	CONCRETE	1979	S/S LAMONT DR @ STONEHURST DR	10692031	9500L	-117.236670164	33.9122663385	25	1491962
2150621E	CONCRETE	1979	W/S STONEHURST DR @ MURAL CT	10692031	9500L	-117.236825485	33.9129869536	25	1491962
2150623E	CONCRETE	1979	S/S FINLEY 320' S/O BRODIAEA AVE	10692031	9500L	-117.237748008	33.9129310303	25	1491962
2150624E	CONCRETE	1979	S/S FINLEY DR 130' E/O PERHAM DR	10692031	9500L	-117.238396593	33.9129358922	25	1491962
2150625E	CONCRETE	1979	E/S PERHAM DR 150' S/O FINLEY DR	10692031	9500L	-117.238737456	33.9125985353	25	1491962
2150626E	CONCRETE	1979	N/S LAMONT DR 325' E/O PERHAM DR	10692031	9500L	-117.237680960	33.9123352575	25	1491962
2150627E	CONCRETE	1979	S/S LAMONT DR 140' E/O PERHAM DR	10692031	9500L	-117.238320702	33.9122526735	25	1491962
2150628E	CONCRETE	1979	E/S PERHAM DR 170' S/O LAMONT DR	10692031	9500L	-117.238690570	33.9118861164	25	1491962
2150629E	CONCRETE	1979	W/S PERHAM DR @ LAMONT DR	10692031	9500L	-117.238801253	33.9122744136	25	1491962
2150630E	CONCRETE	1979	N/S FINLEY DR @ PERHAM DR	10692031	9500L	-117.238890406	33.9130108961	25	1491962
2150631E	CONCRETE	1979	W/S FINLEY DR 150' S/O BRODIAEA AVE	10692031	9500L	-117.237762552	33.9133323366	25	1491962
2150632E	CONCRETE	1979	S/S BRODIAEA AVE 140' W/O FINLEY DR	10692031	9500L	-117.238254849	33.9136512940	25	1491962
2150633E	CONCRETE	1979	S/S BRODIAEA AVE 455' W/O FINLEY DR	10692031	9500L	-117.239073002	33.9136594160	25	1491962
2203801E	CONCRETE	1979	S/S BRODIAEA AVE 1200' E/O HEACOCK ST	10692031	9500L	-117.239512975	33.9136923898	30	1491962
2203802E	CONCRETE	1979	S/S BRODIAEA AVE 700' E/O VINCENTE DR	10692031	9500L	-117.240338278	33.9136637728	30	1491962
2203803E	CONCRETE	1979	S/S BRODIAEA AVE 300' E/O VINCENTE DR	10692031	9500L	-117.241019604	33.9136689406	30	1491962
2203804E	CONCRETE	1979	S/S BRODIAEA AVE AND VINCENTE DR	10692031	9500L	-117.241949060	33.9136464543	30	1491962
2203805E	CONCRETE	1979	S/S BRODIAEA AVE 150' W/O VINCENTE DR	10692031	9500L	-117.242489303	33.9136739309	30	1491962
2203809E	CONCRETE	1979	S/S POWELL PL 400' E/O HEACOCK ST	10692031	9500L	-117.242380740	33.9122146757	30	1491962
2203810E	CONCRETE	1979	W/S VINCENTE DR 150' N/O POWELL PL	10692031	9500L	-117.242107744	33.9126564485	30	1491962
2203812E	CONCRETE	1979	S/S POWELL PL 550' E/O HEACOCK ST	10692031	9500L	-117.241809972	33.9122136694	30	1491962
2203813E	CONCRETE	1979	S/S POWELL PL 900' E/O HEACOCK ST	10692031	9500L	-117.241068628	33.9122284508	30	1491962
2203814E	CONCRETE	1979	W/S FINLEY DR 290' N/O POWELL PL	10692031	9500L	-117.241211384	33.9129663212	30	1491962
2203815E	CONCRETE	1979	S/S FINLEY DR 410' W/O PERHAM DR	10692031	9500L	-117.240577642	33.9129250597	30	1491962
2203816E	CONCRETE	1979	S/S FINLEY DR 215' W/O PERHAM DR	10692031	9500L	-117.239579556	33.9129421645	30	1491962
2203817E	CONCRETE	1979	S/S POWELL PL 325' E/O FINLEY DR	10692031	9500L	-117.240212922	33.9122304001	30	1491962
2204010E	CONCRETE	1980	FINLEY DR W/S 370' N/O BRODIAEA AVE	10692031	9500L	-117.237780569	33.9147102129	25	1491962
2204011E	CONCRETE	1980	FINLEY DR E/S 240' N/O BRODIAEA	10692031	9500L	-117.237630720	33.9143773432	25	1491962
2204012E	CONCRETE	1980	BRODIAEA AVE N/S 45' W/O FINNEY DR	10692031	9500L	-117.237770634	33.9137632799	25	1491962
2204013E	CONCRETE	1980	CASCO WY E/S 95' N/O BRODIAEA	10692031	9500L	-117.238789794	33.9140087459	25	1491962
2204014E	CONCRETE	1980	CASCO WY W/S 285' N/O BRODIAEA	10692031	9500L	-117.238914646	33.9145712629	25	1491962
2245017E	CONCRETE	1982	BRODIAEA AVE. N/S 60' W/O STONEHURST DR.	10692031	9500L	-117.236939348	33.9137439709	25	1491962
2245018E	CONCRETE	1982	STONEHURST DR. W/S END/O JONNA DR.	10692031	9500L	-117.236822663	33.9144424190	25	1491962
2245729E	CONCRETE	1983	W/S ETERNAL 135 N/O LINNEAL	10692031	9500L	-117.241123587	33.9110483966	30	1491962
2245730E	CONCRETE	1983	N/S CRAIG DR 125 W/O ETERNAL	10692031	9500L	-117.241445763	33.9115028295	30	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2245731E	CONCRETE	1983	N/S CRAIG DR 10 E/O ETERNAL	10692031	9500L	-117.241012551	33.9115076031	30	1491962
2245732E	CONCRETE	1983	S/S CRAIG DR 195 E/O ETERNAL	10692031	9500L	-117.240517573	33.9114318118	30	1491962
2245733E	CONCRETE	1983	N/S CRAIG DR 360 E/O ETERNAL	10692031	9500L	-117.240066377	33.9115186927	30	1491962
2315174E	CONCRETE	1985	UNITY CT, E/S, 150' N/O SUSANA CT	10692031	9500L	-117.241960277	33.9110384720	25	1491962
2315175E	CONCRETE	1985	UNITY CT, COR/O CRAIG DR	10692031	9500L	-117.242063440	33.9114825628	25	1491962
3000241E	CONCRETE	1957	E/S TOBY CT N/O BRODIAEA AV	10692031	9500L	-117.240966200	33.9140464431	30	1491962
3000242E	CONCRETE	1957	END OF VINCENTE DR N/O BRODIAEA AV	10692031	9500L	-117.242087200	33.9147161119	30	1491962
3000438E	CONCRETE	1983	CASCO CT E/S 70 BRODIAEA	10692031	9500L	-117.239884135	33.9139881874	30	1491962
3000439E	CONCRETE	1983	CASCO CT W/S 280 N/O BRODIAEA	10692031	9500L	-117.240020545	33.9145016709	30	1491962
3000440E	CONCRETE	1983	TOBY CT W/S 280 N/O BRODIAEA	10692031	9500L	-117.241122272	33.9145280581	30	1491962
3000442E	CONCRETE	1983	VINCENTE DR E/S 70 N/O BRODIAEA	10692031	9500L	-117.241977573	33.9139654003	30	1491962
2091136E	CONCRETE	1976	N/S ST JAMES DR 120' W/O INDIAN ST	10692031	9500L	-117.235577962	33.9113649521	25	1491962
2150612E	CONCRETE	1979	S/S BRODIAEA AVE 210' E/O STONEHURST DR	10692031	9500L	-117.236063498	33.9136583388	25	1491962
2150615E	CONCRETE	1979	EAST END OF MURAL CT 300' E/O STONEHURST D	10692031	9500L	-117.235677678	33.9130059468	25	1491962
2150616E	CONCRETE	1979	S/S MURAL CT E/O STONEHURST	10692031	9500L	-117.236220775	33.9129482601	25	1491962
2150618E	CONCRETE	1979	N/S LAMONT DR 200' E/O STONEHURST DR	10692031	9500L	-117.236055521	33.9123373890	25	1491962
2150619E	CONCRETE	1979	END OF LAMONT DR 400' E/O STONEHURST DR	10692031	9500L	-117.235186179	33.9122619011	25	1491962
2204019E	CONCRETE	1980	LINNETT DR E/S 230' N/O BRODIAEA	10692031	9500L	-117.233303107	33.9143553372	25	1491962
2204020E	CONCRETE	1980	BRODIAEA AV S/S 310' E/O HOMESTEAD	10692031	9500L	-117.233565893	33.9136665537	25	1491962
2204021E	CONCRETE	1980	BRODIAEA AV S/S 40' E/O HOMESTEAD	10692031	9500L	-117.234264646	33.9136707731	25	1491962
2204022E	CONCRETE	1980	HOMESTEAD DR E/S 116' N/O BRODIEA	10692031	9500L	-117.234312285	33.9140307282	25	1491962
2204023E	CONCRETE	1980	HOMESTEAD DR N/S 390' N/O BRODIAEA	10692031	9500L	-117.234395161	33.9147584417	25	1491962
2204026E	CONCRETE	1980	BRODIAEA AV. N/S 45' W/S HOMESTEAD DR	10692031	9500L	-117.234489225	33.9137794257	25	1491962
2204028E	CONCRETE	1980	HOMESTEAD DR W/S 221' S/O BRODIAEA	10692031	9500L	-117.234449421	33.9131718811	25	1491962
2204030E	CONCRETE	1980	HOMESTEAD DR W/S 345' W/O SAYAN PL	10692031	9500L	-117.234354341	33.9122561262	25	1491962
2204046E	CONCRETE	1980	SAYAN PL E/S 70' E/O HOMESTEAD	10692031	9500L	-117.233296592	33.9119269872	25	1491962
2204047E	CONCRETE	1980	SAYAN PL W/S 230' N/O HOMESTEAD	10692031	9500L	-117.233381421	33.9126909947	25	1491962
2204048E	CONCRETE	1980	HOMESTEAD DRE/S 160' W/O SAYAN PL	10692031	9500L	-117.233789065	33.9122692228	24	1491962
2245014E	CONCRETE	1982	JONNA DR. S/S 205' W/O INDIAN ST.	10692031	9500L	-117.235526122	33.9144177918	25	1491962
2245740E	CONCRETE	1983	E/S SAYAN PL 70 N/O TUSCARORA	10692031	9500L	-117.233300826	33.9107798626	30	1491962
2245741E	CONCRETE	1983	E/S SAYAN PL C/O SENECA CIR	10692031	9500L	-117.233304532	33.9112882978	30	1491962
2245742E	CONCRETE	1983	N/S SENECA CIR 65 E/O SAYAN PL	10692031	9500L	-117.233541808	33.9115407391	30	1491962
2245743E	CONCRETE	1983	S/S SENECA CIR 190 E/O SAYAN PL	10692031	9500L	-117.234079180	33.9114138345	30	1491962
2245744E	CONCRETE	1983	W/E SENECA CIR 360 E/O SAYAN PL	10692031	9500L	-117.234585732	33.9114307266	30	1491962
2270187E	CONCRETE	1983	BRODIAEA S/S 510 W/O VICTOR	10692031	9500L	-117.232992370	33.9136796818	30	1491962
2091243E	CONCRETE	1957	N/S CACTUS AV AT PERHAM DR	10692031	22000L	-117.239049227	33.9100862379	30	1491960
2245724E	CONCRETE	1957	N/S CACTUS N/O JOSHUA TREE END	10692031	22000L	-117.239876062	33.9100509636	30	1491960
2245783E	CONCRETE	1987	S/S CACTUS AV 115' W/O UNITY AV	10692031	22000L	-117.242380272	33.9101067324	29	1491960
2245784E	CONCRETE	1987	S/S CACTUS AV 25' E/O UNITY AV	10692031	22000L	-117.241899914	33.9100760714	29	1491960
2245734E	CONCRETE	1983	N/S CACTUS 85 E/O INDIAN	10692031	22000L	-117.234555662	33.9100603582	30	1491960
2245735E	CONCRETE	1983	N/S CACTUS 315 E/O INDIAN	10692031	22000L	-117.233797295	33.9100621917	30	1491960
2245736E	CONCRETE	1983	N/S C/O SAYAN PL AND CACTUS	10692031	22000L	-117.233279781	33.9100800932	30	1491960
2204024E	CONCRETE	1980	INDIAN ST E/S 265' N/O BRODIAEA	10692031	22000L	-117.234839143	33.9144830365	25	1491960
2204027E	CONCRETE	1980	INDIAN ST. E/S 221' S/O BRODIAEA	10692031	9500L	-117.234334290	33.9127337925	25	1491960
2204029E	CONCRETE	1980	INDIAN ST E/S 415' S/O BRODIAEA	10692031	22000L	-117.234818140	33.9125800889	25	1491960
4465527E	CONCRETE	2000	E/S VINCENTE DR 220' N/O POWELL PL	10692031	9500L	-117.241970558	33.9128723783	31	1491962
4442138E	CONCRETE	2001	S/S BRODIAEA AVE 15' E/O FINLEY DR	10692031	9500L	-117.237613771	33.9136690261	26	1491962
4524087E	CONCRETE	2004	JONNA DR. N/S 150' E/O STONEHURST DR.	10692031	9500L	-117.236318961	33.9145086000	26	1491962
4536709E	CONCRETE	2004	S/S CACTUS 400' W/O INDIAN	10692031	5800L	-117.236165946	33.9099840621	27	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2014347E	CONCRETE	1973	S/S CACTUS 40' E/O PERHAM DR	10692031	9500L	-117.238782143	33.9099601477	25	1491962
2135736E	CONCRETE	1978	CACTUS N/S 159' E/O CHOLLA DR	10692034	5800L	-117.225154064	33.9101222391	25	1491962
2135737E	CONCRETE	1978	CHOLLA E/S, 100' N/O CACTUS	10692034	5800L	-117.225583428	33.9103798370	25	1491962
2135743E	CONCRETE	1978	CHOLLA DR S/W C/O, W/O AGAVE ST	10692034	5800L	-117.224546653	33.9106381811	25	1491962
2135744E	CONCRETE	1978	CHOLLA DR S/S, 480' W/O AGAVE	10692034	5800L	-117.223956776	33.9105980401	25	1491962
2135745E	CONCRETE	1978	CHOLLA DR S/S, W/O AGAVE ST	10692034	5800L	-117.223357589	33.9106061490	25	1491962
2135749E	CONCRETE	1978	CACTUS N/S, 300' E/O MAY LN	10692034	5800L	-117.223622134	33.9101279137	25	1491962
2135750E	CONCRETE	1978	CACTUS N/S, 174' E/O MAY LN	10692034	5800L	-117.224096613	33.9101189220	25	1491962
2135738E	CONCRETE	1978	CHOLLA W/S, 340' N/O CACTUS	10692034	5800L	-117.225702591	33.9109895738	25	1491962
2135739E	CONCRETE	1978	CHOLLA N/W C/O, 550' N/O CACTUS	10692034	5800L	-117.225693982	33.9115213456	25	1491962
2135740E	CONCRETE	1978	CHOLLA S/S 120'W/O CHOLLA, NW/O AGAVE	10692034	5800L	-117.225003078	33.9114573586	25	1491962
2135741E	CONCRETE	1978	CHOLLA DR, NW/O AGAVE	10692034	5800L	-117.224578822	33.9115451511	25	1491962
2135742E	CONCRETE	1978	CHOLLA DR W/S, 130' S/O CHOLLA DR, NW/O AG	10692034	5800L	-117.224657072	33.9111354003	25	1491962
2173003E	CONCRETE	1979	BRODIAEA S/S, 107' W/O AGAVA	10692034	5800L	-117.224021211	33.9136696155	25	1491962
2173004E	CONCRETE	1979	N/E C/O BRODIAEA & AGAVE ST	10692034	9500L	-117.223519642	33.9137596774	25	1491962
2173005E	CONCRETE	1979	BRODIAEA S/S, 160' E/O AGAVE ST	10692034	5800L	-117.223126525	33.9136695718	25	1491962
2173007E	CONCRETE	1979	AGAVE E/S, 100' S/O BRODIAEA	10692034	9500L	-117.223530216	33.9133853874	25	1491962
2173008E	CONCRETE	1979	AGAVE S/S, 280' S/O BRODIAEA	10692034	5800L	-117.223564567	33.9128715464	25	1491962
2173009E	CONCRETE	1979	AGAVE ST S/S, S/O BRODIAEA	10692034	5800L	-117.222921521	33.9128435723	25	1491962
2173014E	CONCRETE	1979	YUCCA DR N/S, 260' E/O AGAVE	10692034	5800L	-117.223240974	33.9122995538	25	1491962
2269819E	CONCRETE	1983	VICTOR W/S 20 S/O MERIT	10692034	9500L	-117.232430164	33.9105980620	30	1491962
2269820E	CONCRETE	1983	MERIT S/S 170 E/O VICTOR	10692034	5800L	-117.231811740	33.9105839147	30	1491962
2269821E	CONCRETE	1983	MERIT E/S 400 E/O VICTOR	10692034	9500L	-117.231339779	33.9106054880	30	1491962
2269822E	CONCRETE	1983	CACTUS N/S 90 W/O VICTOR	10692034	9500L	-117.232595570	33.9100779098	30	1491962
2269823E	CONCRETE	1983	CACTUS N/S 100 E/O VICTOR	10692034	9500L	-117.232047684	33.9100836244	30	1491962
2269824E	CONCRETE	1983	CACTUS N/S 300 E/O VICTOR	10692034	9500L	-117.231299779	33.9101019447	30	1491962
2269825E	CONCRETE	1983	CACTUS N/S 500 E/O VICTOR	10692034	9500L	-117.230627537	33.9101069068	30	1491962
2286670E	CONCRETE	1984	VICTOR DR S/WCOR	10692034	9500L	-117.232417617	33.9099500367	25	1491962
2286671E	CONCRETE	1984	VICTOR DR W/S 30' S/O DODGE WY	10692034	9500L	-117.232443358	33.9095398729	25	1491962
2286676E	CONCRETE	1984	DODGE WAY S/S E/O VICTOR DR	10692034	9500L	-117.230909014	33.9095692715	25	1491962
2286677E	CONCRETE	1984	DODGE WY N/S E/O VICTOR DR	10692034	9500L	-117.231750849	33.9096216734	25	1491962
2292329E	CONCRETE	1984	NOGAL END OF CULDESAC 420 E/O PONDER	10692034	9500L	-117.227447993	33.9105906197	25	1491962
2292330E	CONCRETE	1984	NOGAL N/S 250 E/O PONDER	10692034	9500L	-117.227767000	33.9106347206	25	1491962
2292331E	CONCRETE	1984	NOGAL S/S 65 E/O PONDER	10692034	9500L	-117.228232806	33.9105690384	25	1491962
2292332E	CONCRETE	1984	NOGAL N/S 65 W/O PONDER	10692034	9500L	-117.228562695	33.9106274666	25	1491962
2315134E	CONCRETE	1984	NOGAL ST, S/S, 275 E/O PHILO ST	10692034	9500L	-117.229147596	33.9105602452	25	1491962
2315135E	CONCRETE	1984	PHILO ST, W/S, COR/O NOGAL ST	10692034	9500L	-117.230256098	33.9106216045	25	1491962
2315136E	CONCRETE	1984	NOGAL ST, N/S, 95 E/O PHILO ST	10692034	9500L	-117.229811330	33.9106526001	25	1491962
2203971E	CONCRETE	1980	CHOLLA DR W/S 170' S/O CACTUS AVE	10692034	9500L	-117.225717155	33.9096319804	25	1491962
2269816E	CONCRETE	1983	VICTOR W/S & CONLEY	10692034	9500L	-117.232426897	33.9113906063	30	1491962
2269817E	CONCRETE	1983	CONLEY S/S 170 E/O VICTOR	10692034	9500L	-117.231905049	33.9113586487	30	1491962
2269818E	CONCRETE	1983	CONLEY E/S 400 E/O VICTOR	10692034	9500L	-117.231481842	33.9114173779	30	1491962
2270176E	CONCRETE	1983	BRODIAEA N/S 100 W/O GALVIN	10692034	9500L	-117.232633178	33.9137603992	30	1491962
2270177E	CONCRETE	1983	GALVIN W/S 170 N/O BRODIAEA	10692034	9500L	-117.232391840	33.9142694600	30	1491962
2270178E	CONCRETE	1983	GALVIN N/S 420 N/O BRODIAEA	10692034	9500L	-117.232313193	33.9147612165	30	1491962
2270179E	CONCRETE	1983	BRODIAEA N/S 100 E/O GALVIN	10692034	9500L	-117.232034320	33.9137691285	30	1491962
2270180E	CONCRETE	1983	BRODIAEA N/S 80W/O KINGSWAY	10692034	9500L	-117.231568815	33.9137585768	30	1491962
2270181E	CONCRETE	1983	KINGSWAY E/S 200 N/O BRODIAEA	10692034	9500L	-117.231181022	33.9142471688	30	1491962
2270182E	CONCRETE	1983	KINGSWAY N/S 420 N/O BRODIAEA	10692034	9500L	-117.231279945	33.9145868339	30	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2270183E	CONCRETE	1983	BRODIAEA N/S 150 E/O KINGSWAY	10692034	9500L	-117.230805332	33.9137647533	30	1491962
2270188E	CONCRETE	1983	BRODIAEA S/S 290 W/O VICTOR	10692034	9500L	-117.232150233	33.9136737039	30	1491962
2270189E	CONCRETE	1983	BRODIAEA S/S 100 W/O VICTOR	10692034	9500L	-117.231626941	33.9136652957	30	1491962
2270190E	CONCRETE	1983	BRODIAEA S/S 100 E/O VICTOR	10692034	9500L	-117.230949415	33.9136722075	30	1491962
2270191E	CONCRETE	1983	END OF VICTOR	10692034	9500L	-117.231276678	33.9128770651	30	1491962
2270192E	CONCRETE	1983	VICTOR S/S 170 W/O VICTOR	10692034	9500L	-117.231911392	33.9128828283	30	1491962
2270193E	CONCRETE	1983	VICTOR AT VICTOR	10692034	9500L	-117.232370890	33.9129502962	30	1491962
2270194E	CONCRETE	1983	VICTOR AT SLOAN	10692034	9500L	-117.232426374	33.9121515693	30	1491962
2270195E	CONCRETE	1983	SLOAN S/S 170 E/O VICTOR	10692034	9500L	-117.231820075	33.9121261281	30	1491962
2270196E	CONCRETE	1983	SLOAN E/S 370 E/O VICTOR	10692034	9500L	-117.231396630	33.9121543552	30	1491962
2292333E	CONCRETE	1984	PONDER ST E/S 120 S/O LORNA	10692034	9500L	-117.228292648	33.9110768717	25	1491962
2292334E	CONCRETE	1984	LORNA N/S AT PONDER	10692034	9500L	-117.228348860	33.9114935860	25	1491962
2292335E	CONCRETE	1984	LORNA S/S 185 E/O PONDER	10692034	9500L	-117.227714933	33.9114188166	25	1491962
2292336E	CONCRETE	1957	N/S LORNA DR AT IBEX ST	10692034	9500L	-117.227111417	33.9115255504	30	1491962
2307378E	CONCRETE	1984	PHILO ST, W/S, 145 S/O LORNA ST	10692034	9500L	-117.230233546	33.9110595819	25	1491962
2307380E	CONCRETE	1984	PHILO ST, W/S, 40 N/O LORNA ST	10692034	9500L	-117.230191186	33.9115573637	25	1491962
2307381E	CONCRETE	1984	PHILO ST, W/S, COR/O OTIS ST	10692034	9500L	-117.230211222	33.9121931109	25	1491962
2307382E	CONCRETE	1984	LORNA ST, N/S, 110 E/O PHILO ST	10692034	9500L	-117.229778985	33.9115058827	25	1491962
2307383E	CONCRETE	1984	LORNA ST, S/S, 335 E/O PHILCO ST	10692034	9500L	-117.229071089	33.9114248535	25	1491962
2326892E	CONCRETE	1985	BRODIAEA AVE, S/W COR/O INLET ST	10692034	9500L	-117.228671494	33.9135581412	25	1491962
2326893E	CONCRETE	1985	INLET ST, W/S, 155' S/O BRODIAEA AVE	10692034	9500L	-117.228651477	33.9132214068	25	1491962
2326894E	CONCRETE	1985	HEIL DR, N/S, 220' W/O INLET ST	10692034	9500L	-117.229294278	33.9129373850	25	1491962
2326895E	CONCRETE	1985	PHILO ST, N/W COR/O HEIL DR	10692034	9500L	-117.230259349	33.9128881397	25	1491962
2326896E	CONCRETE	1985	HEIL DR, S/S, 105' E/O PHILO ST	10692034	9500L	-117.229814820	33.9128271004	25	1491962
2326897E	CONCRETE	1985	HEIL DR, S/S, COR/O INLET ST	10692034	9500L	-117.228606048	33.9128526662	25	1491962
2326898E	CONCRETE	1985	OTIS DR, S/S, 110' E/O PHILO ST	10692034	9500L	-117.229805369	33.9121537784	25	1491962
2326899E	CONCRETE	1985	OTIS DR, N/S, 340' E/O PHILO ST	10692034	9500L	-117.228943955	33.9122247984	25	1491962
2326900E	CONCRETE	1985	BRODIAEA AVE, S/S, 410' W/O INLET ST	10692034	9500L	-117.230113179	33.9136733222	25	1491962
2327094E	CONCRETE	1985	OTIS DR, S/S, 575' E/O PHILO ST	10692034	9500L	-117.228227865	33.9121440049	25	1491962
2343901E	CONCRETE	1986	BRODIAEA AVE, S/S, 310' W/O PERRIS BLVD	10692034	9500L	-117.227337975	33.9137048778	25	1491962
2343902E	CONCRETE	1986	HEIL DR, N/S, 105' E/O INLET ST	10692034	9500L	-117.228242865	33.9129395992	25	1491962
2343903E	CONCRETE	1986	HEIL DR, S/S, 105' W/O IBEX ST	10692034	9500L	-117.227371529	33.9128600844	25	1491962
2343904E	CONCRETE	1986	IBEX ST, E/S, COR/O HEIL DR	10692034	9500L	-117.226976332	33.9128850179	25	1491962
2343905E	CONCRETE	1986	IBEX ST, E/S, COR/O OTIS DR	10692034	9500L	-117.226948097	33.9121952385	25	1491962
2343906E	CONCRETE	1986	OTIS DR, N/S, 180' W/O IBEX ST	10692034	9500L	-117.227594793	33.9122359554	25	1491962
2286872E	CONCRETE	1984	AGAVE E/S 70 N/O BRODIAEA	10692034	9500L	-117.223528037	33.9138939652	25	1491962
2286873E	CONCRETE	1984	AGAVE W/S 250 N/O BRODIAEA	10692034	9500L	-117.223648697	33.9143804653	25	1491962
2286874E	CONCRETE	1984	AGAVE ST E/S 430 N/O BRODIAEA	10692034	9500L	-117.223440932	33.9149093867	25	1491962
4062024E	CONCRETE	1989	E/S PALMEA, S/O BRODIAEA	10692034	9500L	-117.224522281	33.9136107944	25	1491962
4062025E	CONCRETE	1989	W/S PALMEA, S/O OCOTILLO	10692034	9500L	-117.224636912	33.9127485097	25	1491962
4062026E	CONCRETE	1989	S/S OCOTILLO, W/O PALMEA	10692034	9500L	-117.225097602	33.9129477386	25	1491962
4062028E	CONCRETE	1989	E/S PALMEA, N/O YUCCA	10692034	9500L	-117.224539292	33.9123806187	25	1491962
4062029E	CONCRETE	1989	S/S YUCCA, E/O PALMEA	10692034	9500L	-117.223879639	33.9121848439	25	1491962
4062030E	CONCRETE	1989	N/S YUCCA, W/O PALMEA	10692034	9500L	-117.225108649	33.9122922092	25	1491962
4062031E	CONCRETE	1989	YUCCA, W/O PALMEA	10692034	9500L	-117.225574499	33.9122572763	25	1491962
2292338E	CONCRETE	1984	CACTUS N/S 40 E/O PONDER	10692034	22000L	-117.228306753	33.9100801649	30	1491960
2292491E	CONCRETE	1984	CACTUS S/S 50 W/O PHILO	10692034	22000L	-117.230327438	33.9100107173	30	1491960
2292492E	CONCRETE	1984	CACTUS S/S 320 E/O PHILO	10692034	22000L	-117.229056653	33.9100031415	30	1491960
2315133E	CONCRETE	1984	CACTUS AVE, N/S, 155 E/O PHILO ST	10692034	22000L	-117.229724339	33.9101074109	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2309617E	CONCRETE	1985	CACTUS AVE, S/S, 220' W/O AGAVE ST	10692034	22000L	-117.223044935	33.9100511080	29	1491960
GT46967	WOOD	1978	PERRIS BLVD E/S 661 N/O CACTUS AVE C/L	10692034	22000L	-117.226192876	33.9118205426	40	1491960
4062023E	CONCRETE	1989	S/S BRODIAEA, W/O PALMEA	10692034	22000L	-117.225406843	33.9136696805	29	1491960
4500203E	CONCRETE	2002	N/W/C CACTUS AVE AND CHOLLA DR	10692034	9500L	-117.225720457	33.9101343755	26	1491962
4525558E	CONCRETE	2003	W/S PERRIS BL., 390' N/O BRODIAEA	10692034	22000L	-117.226366338	33.9147393883	32	1491960
2203975E	CONCRETE	2010	CACTUS DR S/S 60' E/O MAY LN	10692034	9500L	-117.224535081	33.9100416435	31	1491962
2135746E	CONCRETE	1978	CHOLLA DR S/S, W/O AGAVE ST	10692037	5800L	-117.222686094	33.9106034515	25	1491962
2135747E	CONCRETE	1978	AGAVE ST E/S, AT CHOLLA DR	10692037	5800L	-117.222376681	33.9106467616	25	1491962
2135748E	CONCRETE	1978	N/W C/O CACTUS & AGAVE	10692037	5800L	-117.222478665	33.9101643416	25	1491962
2173006E	CONCRETE	1979	BRODIAEA S/S, 390' E/O AGAVE	10692037	5800L	-117.222509155	33.9136695813	25	1491962
2173010E	CONCRETE	1979	AGAVE ST E/S, 180' N/O YUCCA	10692037	5800L	-117.222381889	33.9129247137	25	1491962
2173011E	CONCRETE	1979	AGAVE ST W/S, 100' N/O YUCCA	10692037	5800L	-117.222440358	33.9125532738	25	1491962
2173012E	CONCRETE	1979	AGAVE ST E/S, 40' N/O YUCCA	10692037	5800L	-117.222321627	33.9122519203	25	1491962
2173013E	CONCRETE	1979	YUCCA S/S, 100' W/O AGAVE	10692037	5800L	-117.222750189	33.9122010953	25	1491962
2173015E	CONCRETE	1979	AGAVE ST W/S, 107' N/O JOSHUA	10692037	5800L	-117.222459552	33.9117877379	25	1491962
2173016E	CONCRETE	1979	AGAVE ST E/S, 300' W/O CACTUS	10692037	5800L	-117.222368994	33.9111825684	25	1491962
2173017E	CONCRETE	1979	JOSHUA N/S, 112 W/O AGAVE	10692037	5800L	-117.222718839	33.9115225505	25	1491962
2358012E	CONCRETE	1987	N/S OAKSTONE CT., 360' W/O WOODPARK DR.	10692037	9500L	-117.220442626	33.9107112889	25	1491962
2358029E	CONCRETE	1987	W/S WOODPARK DR., 70' N/O OAKSTONE CT.	10692037	9500L	-117.221554329	33.9109127451	25	1491962
2358031E	CONCRETE	1987	S/S OAKSTONE CT., 240' W/O PARKWOOD CT.	10692037	9500L	-117.220952102	33.9106629670	25	1491962
2358622E	CONCRETE	1988	OAKSTONE CT S/S, 5' E/O FARMWOOD	10692037	9500L	-117.218997378	33.9106182264	25	1491962
2358623E	CONCRETE	1988	OAKSTONE CT S/S, 190' W/O FARMWOOD	10692037	9500L	-117.219777611	33.9106647956	25	1491962
2381408E	CONCRETE	1989	RIO BRAVO RD E/S, 30' E/O OAKSTONE CT	10692037	9500L	-117.218155579	33.9106820892	25	1491962
4005560E	CONCRETE	1987	S/S CACTUS, 50' W/O COCHITI DR	10692037	9500L	-117.219459874	33.9100742292	25	1491962
4005564E	CONCRETE	1987	S/S CACTUS, 160' W/O RIO BRAVO	10692037	9500L	-117.218827458	33.9100617367	25	1491962
4005565E	CONCRETE	1987	S/S CACTUS, 60' E/O RIO BRAVO	10692037	9500L	-117.218116481	33.9100765314	25	1491962
4055946E	CONCRETE	1989	OAKSTONE CT N/S, 83' E/O FARMWOOD DR	10692037	9500L	-117.218694947	33.9107372283	25	1491962
4112699E	CONCRETE	1989	E/S KITCHING, 130' N/O CACTUS	10692037	9500L	-117.217327217	33.9105135762	25	1491962
2299135E	CONCRETE	1984	RIO HONDO W/S 30 S/O CACTUS	10692037	9500L	-117.214797449	33.9100102582	25	1491962
2354934E	CONCRETE	1986	CHANNY DR, S/W COR/O CACTUS AVE	10692037	9500L	-117.212933105	33.9100631563	25	1491962
4056035E	CONCRETE	1988	N/S CACTUS AVE., 480' W/O REDWING DR.	10692037	9500L	-117.215366556	33.9101632060	25	1491962
4063530E	CONCRETE	1988	N/S CACTUS AVE., 50' W/O REDWING DR.	10692037	9500L	-117.213656714	33.9101903126	25	1491962
4063531E	CONCRETE	1988	E/S REDWING, 40' N/O CLIFTON CT.	10692037	9500L	-117.213698932	33.9107809791	25	1491962
4063535E	CONCRETE	1988	S/S CLIFTON CT., 230' W/O REDWING DR.	10692037	9500L	-117.214514117	33.9106198262	25	1491962
4063536E	CONCRETE	1988	N/S CLIFTON CT., 480' W/O REDWING DR.	10692037	9500L	-117.215171134	33.9107307953	25	1491962
4063537E	CONCRETE	1988	S/S CLIFTON CT., 220' E/O MURIEL DR.	10692037	9500L	-117.216116600	33.9106248998	25	1491962
4063538E	CONCRETE	1988	E/S MURIEL DR., 60' N/O CLIFTON CT.	10692037	9500L	-117.216688884	33.9107803263	25	1491962
2286875E	CONCRETE	1984	APPLEBLOSSOM E/S 255 N/O BRODIAEA	10692037	9500L	-117.222579306	33.9144010301	25	1491962
2286876E	CONCRETE	1984	APPLEBLOSSOM W/S 450 N/O BRODIAEA	10692037	9500L	-117.222541979	33.9148157873	25	1491962
2309674E	CONCRETE	1987	BRODIAEA AVE, S/S, COR/O KITCHING	10692037	9500L	-117.217347298	33.9136641730	25	1491962
2309677E	CONCRETE	1987	WINDJAMMER DR, S/S, & SANDCASTLE CT	10692037	9500L	-117.216805230	33.9122830077	25	1491962
2309678E	CONCRETE	1987	SANDCASTLE CT, E/S 180' N/O WINDJAMMER DR	10692037	9500L	-117.216718375	33.9128142419	25	1491962
2327065E	CONCRETE	1985	BRODIAEA AVE, N/W COR/O RIO BRAVO RD	10692037	9500L	-117.218343047	33.9137907847	25	1491962
2327066E	CONCRETE	1985	RIO BRAVO RD, E/S, 100' N/O BRODIAEA AVE	10692037	9500L	-117.218220357	33.9140308255	25	1491962
2327067E	CONCRETE	1985	RIO BRAVO RD, W/S, 295' N/O BRODIAEA AVE	10692037	9500L	-117.218370328	33.9145246827	25	1491962
2327068E	CONCRETE	1985	RIO BRAVO RD, E/S, 490' N/O BRODIAEA AVE	10692037	9500L	-117.218249853	33.9149885217	25	1491962
2327069E	CONCRETE	1985	HIGH NOON CT, W/S, 100' N/O BRODIAEA AVE	10692037	9500L	-117.219325370	33.9139806679	25	1491962
2327070E	CONCRETE	1985	HIGH NOON CT, E/S, 275' N/O BRODIAEA AVE	10692037	9500L	-117.219199118	33.9144380905	25	1491962
2327071E	CONCRETE	1985	HIGH NOON CT, W/S, 460' N/O BRODIAEA AVE	10692037	9500L	-117.219325313	33.9148836806	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2343453E	CONCRETE	1984	APPLEBLOSSOM W/S 450 N/O BRODIAEA	10692037	9500L	-117.222599064	33.9139569068	25	1491962
2357896E	CONCRETE	1987	SE/COR OF WOODPARK AND BRODIAEA	10692037	9500L	-117.221586701	33.9136759394	25	1491962
2357897E	CONCRETE	1987	W/S WOODPARK, 220' N/O RAMBLEWOOD CT	10692037	9500L	-117.221562297	33.9134552256	25	1491962
2357898E	CONCRETE	1987	INTERSECTION OF WOODPARK AND RAMBLEWOOD	10692037	9500L	-117.221597211	33.9129656180	25	1491962
2357899E	CONCRETE	1987	S/S RAMBLEWOOD CT., 160' E/O WOODPARK DR.	10692037	9500L	-117.220995787	33.9129029497	25	1491962
2357900E	CONCRETE	1987	NW/COR INTERSECTION WOODPARK & VALLEYWOOD	10692037	9500L	-117.221439493	33.9122352445	25	1491962
2358014E	CONCRETE	1987	S/S VALLEYWOOD, 160' E/O WOODPARK DR	10692037	9500L	-117.220933957	33.9121512824	25	1491962
2358015E	CONCRETE	1987	E/S WOODPARK DR, 130' N/O WOODCREEK CT	10692037	9500L	-117.221444472	33.9117967565	25	1491962
2358032E	CONCRETE	1987	SW/COR OF INTERSECTION WOODPARK DR & WOODCREEK	10692037	9500L	-117.221573136	33.9114040903	25	1491962
2358033E	CONCRETE	1987	N/S WOODCREEK CT., 160' E/O WOODPARK DR	10692037	9500L	-117.221017210	33.9114751285	25	1491962
2358039E	CONCRETE	1987	S/S WOODCREEK CT., 360' E/O WOODPARK DR.	10692037	9500L	-117.220441221	33.9113938942	25	1491962
2358393E	CONCRETE	1986	WOODPARK DR E/S, 325' N/O BRODIAEA	10692037	9500L	-117.221363313	33.9145421559	25	1491962
2358394E	CONCRETE	1986	WOODPARK DR W/S, 525' N/O BRODIAEA	10692037	9500L	-117.221462854	33.9149915575	25	1491962
2358395E	CONCRETE	1987	BRODIAEA AVE N/S, 157' E/O WILLOUGHBY	10692037	9500L	-117.219869306	33.9138040169	25	1491962
2358396E	CONCRETE	1987	BRODIAEA AVE N/S, 183' W/O WILLOUGHBY	10692037	9500L	-117.220862467	33.9138040850	25	1491962
2358397E	CONCRETE	1986	WOODPARK DR W/S, 105' N/O BRODIAEA	10692037	9500L	-117.221574294	33.9139999165	25	1491962
2358398E	CONCRETE	1987	WILLOUGHBY RD W/S, 133' N/O BRODIAEA AVE	10692037	9500L	-117.220395402	33.9140832221	25	1491962
2358399E	CONCRETE	1987	WILLOUGHBY RD E/S, 358' N/O BRODIAEA AVE	10692037	9500L	-117.220268428	33.9145670407	25	1491962
2358400E	CONCRETE	1987	WILLOUGHBY RD W/S, 545' N/O BRODIAEA AVE	10692037	9500L	-117.220378533	33.9150658406	25	1491962
2358624E	CONCRETE	1988	FARMWOOD DR W/S, 145' N/O OAKSTONE CT	10692037	9500L	-117.219066107	33.9110339152	25	1491962
2358625E	CONCRETE	1988	WOODCREEK CT N/S, 165' W/O FARMWOOD DR	10692037	9500L	-117.219690103	33.9114553052	25	1491962
2358626E	CONCRETE	1988	VALLEYWOOD CT S/S, 165' W/O FARMWOOD DR	10692037	9500L	-117.219637499	33.9121589312	25	1491962
2358627E	CONCRETE	1988	FARMWOOD DR W/S, 140' N/O VALLEYWOOD CT	10692037	9500L	-117.219110423	33.9125796617	25	1491962
2358628E	CONCRETE	1988	RAMBLEWOOD CT S/S, 165' W/O FARMWOOD DR	10692037	9500L	-117.219641216	33.9129269395	25	1491962
2358629E	CONCRETE	1988	RAMBLEWOOD CT N/S, 360' W/O FARMWOOD	10692037	9500L	-117.220230603	33.9129856209	25	1491962
2358630E	CONCRETE	1988	BRODIAEA AVE S/S, 365' E/O WOODPARK	10692037	9500L	-117.220359942	33.9136877621	25	1491962
2358631E	CONCRETE	1988	BRODIAEA AVE S/S, 685' E/O WOODPARK	10692037	9500L	-117.219547338	33.9136742543	25	1491962
2361942E	CONCRETE	1988	RAMBLEWOOD CT N/S, 45' E/O FARMWOOD	10692037	9500L	-117.219176900	33.9129983206	25	1491962
2381402E	CONCRETE	1989	BRODIAEA AVE S/S, 160' W/O RIO BRAVO RD	10692037	9500L	-117.218831021	33.9136626071	25	1491962
2381403E	CONCRETE	1989	RIO BRAVO RD W/S, 50' N/O RAMBLEWOOD CT	10692037	9500L	-117.218373397	33.9130590655	25	1491962
2381404E	CONCRETE	1989	RAMBLEWOOD CT S/S, 135' W/O RIO BRAVO RD	10692037	9500L	-117.218694929	33.9129160738	25	1491962
2381405E	CONCRETE	1989	RIO BRAVO RD E/S, 140' S/O RAMBLEWOOD CT	10692037	9500L	-117.218213407	33.9126324867	25	1491962
2381406E	CONCRETE	1989	RIO BRAVO RD W/S, 315' S/O RAMBLEWOOD CT	10692037	9500L	-117.218315696	33.9120463453	25	1491962
2381407E	CONCRETE	1989	RIO BRAVO RD W/S, 175' N/O OAKSTONE CT	10692037	9500L	-117.218301028	33.9111284606	25	1491962
2381409E	CONCRETE	1989	FARMWOOD DR E/S, 460' S/O RAMBLEWOOD CT	10692037	9500L	-117.218955193	33.9116699238	25	1491962
2381410E	CONCRETE	1989	FARMWOOD DR E/S, 320' S/O RAMBLEWOOD CT	10692037	9500L	-117.218967589	33.9120908857	25	1491962
4002049E	CONCRETE	1988	VALLEYWOOD CT N/S, 335' W/O FARMWOOD DR	10692037	9500L	-117.220249087	33.9122519887	25	1491962
4063539E	CONCRETE	1988	E/S MURIEL DR., 40' S/O JONESTOWN DR.	10692037	9500L	-117.216691653	33.9113619108	25	1491962
4063541E	CONCRETE	1988	E/S KITCHING, 50' N/O JONESTOWN DR.	10692037	9500L	-117.217339450	33.9116015664	25	1491962
4112700E	CONCRETE	1989	E/S KITCHING, 145' S/O JONESTOWN	10692037	9500L	-117.217306476	33.9110507084	25	1491962
4113785E	CONCRETE	1990	KITCHING E/S, 342' N/O C/L BRODIAEA, MRNO VL	10692037	9500L	-117.217343467	33.9147123440	25	1491962
4113786E	CONCRETE	1990	KITCHING E/S, 139' N/O C/L BRODIAEA, MRNO VL	10692037	9500L	-117.217335336	33.9141533135	25	1491962
4151565E	CONCRETE	1990	RIO BRAVO E/S L/L 16-17 TR. 19143	10692037	9500L	-117.218199666	33.9116156183	25	1491962
2245309E	CONCRETE	1982	BRODIAEA S/S 714 W/O HOUSTON	10692037	9500L	-117.213008717	33.9136864454	25	1491962
2245310E	CONCRETE	1982	BRODIAEA AVE S/S 903 N/O HOUSTON	10692037	9500L	-117.213589482	33.9136998320	25	1491962
2245311E	CONCRETE	1957	S/S BRODIAEA AV	10692037	9500L	-117.213998212	33.9136981472	30	1491962
2309679E	CONCRETE	1987	WINDJAMMER DR, S/S, 240' E/O SANDCASTLE CT	10692037	9500L	-117.216192400	33.9122932715	25	1491962
2309680E	CONCRETE	1987	WINDJAMMER DR, W/S, 340' S/O BRODIAEA	10692037	9500L	-117.215960451	33.9128579356	25	1491962
2309681E	CONCRETE	1987	WINDJAMMER DR, E/S, 155' S/O BRODIAEA	10692037	9500L	-117.215833285	33.9133276816	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2309682E	CONCRETE	1987	BRODIAEA AVE, S/S, 45' E/O WINDJAMMER	10692037	9500L	-117.215764128	33.9137305019	25	1491962
2309683E	CONCRETE	1987	BRODIAEA AVE, S/S 275' W/O REDWING	10692037	9500L	-117.214618061	33.9137162326	25	1491962
2309684E	CONCRETE	1987	REDWING DR, E/S, 100' S/O BRODIAEA	10692037	9500L	-117.213674397	33.9133205187	25	1491962
2309685E	CONCRETE	1987	REDWING DR, E/S, COR/O WOODLARK	10692037	9500L	-117.213707622	33.9129033686	25	1491962
2309686E	CONCRETE	1987	WOODLARK LN, N/S, 323' W/O REDWING	10692037	9500L	-117.214901658	33.9129047464	25	1491962
2309687E	CONCRETE	1987	WOODLARK LN, W/S, W/O REDWING	10692037	9500L	-117.215012375	33.9125346824	25	1491962
2309688E	CONCRETE	1987	WOODLARK LN, E/S, W/O REDWING DR	10692037	9500L	-117.214880114	33.9120568598	25	1491962
2309689E	CONCRETE	1987	WOODLARK LN, S/S 150' W/O REDWING	10692037	9500L	-117.214234617	33.9128170069	25	1491962
2309690E	CONCRETE	1987	REDWING DR, W/S, 150' S/O WOODLARK LN	10692037	9500L	-117.213814073	33.9124843048	25	1491962
2309691E	CONCRETE	1987	REDWING DR, E/S, 270' S/O WOODLARK LN	10692037	9500L	-117.213706939	33.9120651285	25	1491962
4057932E	CONCRETE	1988	BRODIAEA AVE N/S, 455' W/O SANDPIPER LN	10692037	9500L	-117.214099534	33.9137898523	25	1491962
4057933E	CONCRETE	1988	BRODIAEA AVE N/S, 815' W/O SANDPIPER LN	10692037	9500L	-117.215241389	33.9138227947	25	1491962
4062970E	CONCRETE	1989	E/S CYPRESS SANDS, 240' S/O COPPER COVE	10692037	9500L	-117.214930836	33.9148387010	25	1491962
4062971E	CONCRETE	1989	W/S CYPRESS SANDS, 430' S/O COPPER COVE	10692037	9500L	-117.215045042	33.9142385079	25	1491962
4062973E	CONCRETE	1989	E/S PORT ROYAL, 240' S/O COPPER COVE	10692037	9500L	-117.214133848	33.9148611816	25	1491962
4062974E	CONCRETE	1989	W/S PORT ROYAL, 430' S/O COPPER COVE	10692037	9500L	-117.214236285	33.9142745660	25	1491962
4062976E	CONCRETE	1989	E/S MARTINIQUE, 240' S/O COPPER COVE	10692037	9500L	-117.213338195	33.9149179034	25	1491962
4062977E	CONCRETE	1989	W/S MARTINIQUE, 430' S/O COPPER COVE	10692037	9500L	-117.213402349	33.9142602837	25	1491962
4063532E	CONCRETE	1988	W/S REDWING, 50' S/O JONESTOWN DR.	10692037	9500L	-117.213840645	33.9114247194	25	1491962
4063533E	CONCRETE	1988	N/S JONESTOWN DR., 150' W/O REDWING DR.	10692037	9500L	-117.214310348	33.9115961036	25	1491962
4063540E	CONCRETE	1988	N/S JONESTOWN DR., 350' E/O MURIEL DR.	10692037	9500L	-117.215704703	33.9115612376	25	1491962
2358019E	CONCRETE	1988	CACTUS AVE N/S, 340' E/O PARKWOOD	10692037	22000L	-117.219250277	33.9101662817	29	1491960
2358601E	CONCRETE	1986	CACTUS AVE S/S, 515' W/O PARKWOOD CT	10692037	22000L	-117.221682858	33.9100686908	29	1491960
2358602E	CONCRETE	1986	CACTUS AVE S/S, 275' W/O PARKWOOD CT	10692037	22000L	-117.220974451	33.9100485102	29	1491960
2358603E	CONCRETE	1986	CACTUS AVE S/S, 50' E/O PARKWOOD CT	10692037	22000L	-117.220103927	33.9100591529	29	1491960
4056752E	CONCRETE	1989	CACTUS AVE N/S, 40' W/O KITCHING CHANNEL	10692037	22000L	-117.217614206	33.9101704370	29	1491960
2309675E	CONCRETE	1987	KITCHING ST, E/S, 260' N/O WINDJAMMER	10692037	22000L	-117.217353271	33.9130638290	29	1491960
2309676E	CONCRETE	1987	KITCHING ST, N/E COR/O WINDJAMMER DR	10692037	22000L	-117.217350893	33.9123759926	29	1491960
4442141E	CONCRETE	2001	CACTUS AVE N/S, 50' W/O RIO BRAVO RD	10692037	22000L	-117.218465005	33.9101543599	31	1491960
4063542E	CONCRETE	1988	N/S CACTUS AVE., 230' E/O KITCHING	10692037	9500L	-117.216667024	33.9101858104	25	1491962
4532883E	CONCRETE	2007	RIO BRAVO RD E/S, 30' S/O BRODIAEA AVE	10692037	9500L	-117.218223672	33.9136939056	26	1491962
4725493E	CONCRETE	2010	KITCHING ST W/S, 130' N/O C/L CACTUS AV	10692037	22000L	-117.217473060	33.9104756105	18	1491960
4725476E	CONCRETE	2010	KITCHING ST W/S, 164' S/O C/L JONESTOWN DR	10692037	22000L	-117.217455956	33.9110370989	18	1491960
4725477E	CONCRETE	2010	KITCHING ST W/S, 87' N/O C/L JONESTOWN DR	10692037	22000L	-117.217466328	33.9116925942	18	1491960
4725478E	CONCRETE	2010	KITCHING ST W/S, 50' N/O C/L WINDJAMMER DR	10692037	22000L	-117.217478840	33.9124277968	18	1491960
4725479E	CONCRETE	2010	KITCHING ST W/S, 264' N/O C/L WINDJAMMER DR	10692037	22000L	-117.217484865	33.9130538357	18	1491960
4725480E	CONCRETE	2010	KITCHING ST W/S, 30' S/O C/L BRODIAEA AV	10692037	22000L	-117.217448405	33.9136924683	18	1491960
4725481E	CONCRETE	2010	KITCHING ST W/S, 135' N/O C/L BRODIAEA AV	10692037	22000L	-117.217470709	33.9141262325	18	1491960
4725482E	CONCRETE	2010	KITCHING ST W/S, 359' N/O C/L BRODIAEA AV	10692037	22000L	-117.217455328	33.9147526538	18	1491960
4063534E	CONCRETE	1988	S/S JONESTOWN DR., 340' W/O REDWING DR.	10692037	9500L	-117.214947357	33.9114968005	25	1491962
2224625E	CONCRETE	1981	NW/CO STUARD DR AND FRESKA DR	10692040	5800L	-117.211645491	33.9119813533	25	1491962
2224626E	CONCRETE	1981	STUARD DR W/S 305' N/O BLAKE DR	10692040	5800L	-117.211705172	33.9115546271	25	1491962
2224627E	CONCRETE	1981	STUARD DR W/S 125' N/O BLAKE DR	10692040	5800L	-117.211701301	33.9110493236	25	1491962
2224632E	CONCRETE	1981	CHANTRY DR W/S 260' N/O BLAKE DR	10692040	5800L	-117.212827938	33.9112823508	25	1491962
2224628E	CONCRETE	1981	SE/CO STUARD DR AND BLAKE DR	10692040	9500L	-117.211692215	33.9106273036	25	1491962
2224629E	CONCRETE	1981	BLAKE DR S/S 145' E/O CHANTRY DR	10692040	9500L	-117.212292571	33.9106080800	25	1491962
2224630E	CONCRETE	1981	CHANTRY DR W/S AT BLAKE DR	10692040	9500L	-117.212826411	33.9106742995	25	1491962
4039828E	CONCRETE	1989	9CACTUS AVE N/S, 50' W/O SYLVESTER CT	10692040	9500L	-117.210743495	33.9102049454	25	1491962
4039829E	CONCRETE	1989	CACTUS AVE N/S, 190' W/O LASALLE ST	10692040	9500L	-117.209540360	33.9102007192	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4039830E	CONCRETE	1989	JANIE CT E/S, 40' N/O JONESBOROUGH CT	10692040	9500L	-117.209579667	33.9107235539	25	1491962
4039831E	CONCRETE	1989	JONESBOROUGH CT S/S, 85' E/O SYLVESTER CT	10692040	9500L	-117.210168221	33.9106120231	25	1491962
4039833E	CONCRETE	1989	SYLVESTER CT E/S, 100' N/O JONESBOROUGH CT	10692040	9500L	-117.210518636	33.9109253061	25	1491962
2207363E	CONCRETE	1980	BRODIAEA S/S 160' W/O LASALLE	10692040	9500L	-117.209504647	33.9137354285	25	1491962
2207364E	CONCRETE	1980	BRODIAEA S/S 15' E/O HOUSTON	10692040	9500L	-117.210618208	33.9137286844	25	1491962
2207365E	CONCRETE	1980	BRODIAEA S/S 190' W/O HOUSTON	10692040	9500L	-117.211265419	33.9137100758	25	1491962
2207366E	CONCRETE	1980	HOUSTON W/S 130' S/O BRODIAEA	10692040	9500L	-117.210717275	33.9133365714	25	1491962
2207367E	CONCRETE	1980	HOUSTON E/S C/L FLINT DR.	10692040	9500L	-117.210620473	33.9128874981	25	1491962
2207368E	CONCRETE	1980	HOUSTON E/S 130' N/O FRESCA	10692040	9500L	-117.210617756	33.9123942955	25	1491962
2207369E	CONCRETE	1980	FLINT DR. 120' W/O HOUSTON	10692040	9500L	-117.211114274	33.9129353978	25	1491962
2207370E	CONCRETE	1980	FRESCA N/S 15' W/O HOUSTON	10692040	9500L	-117.210739181	33.9119878734	25	1491962
2207371E	CONCRETE	1980	FRESCA N/S 15' W/O JANIE CT.	10692040	9500L	-117.209721234	33.9120111600	25	1491962
2207372E	CONCRETE	1980	JANIE CT. E/S 150' N/O FRESCA	10692040	9500L	-117.209576003	33.9122867996	25	1491962
2207373E	CONCRETE	1980	JANIE CT. C/L 370' N/O FRESCA	10692040	9500L	-117.209633447	33.9130031927	25	1491962
2224631E	CONCRETE	1981	CHANTRY DR W/S 105' N/O BLAKE DR	10692040	9500L	-117.212844474	33.9109495383	25	1491962
2228058E	CONCRETE	1982	CHANTRY DR E/S 380 S/O FLINT DR	10692040	9500L	-117.212704287	33.9116703687	25	1491962
2228059E	CONCRETE	1982	CHANTRY DR W/S 220 S/O FLINT DR	10692040	9500L	-117.212816571	33.9123696120	25	1491962
2228060E	CONCRETE	1982	N/W COR CHANTRY DR AND FLINT DR	10692040	9500L	-117.212769721	33.9129093400	25	1491962
2228061E	CONCRETE	1982	FLINT DR N/S 110 E/O CHANTRY DR	10692040	9500L	-117.212274478	33.9129193403	25	1491962
2245308E	CONCRETE	1982	FLINT DR S/S 290 E/O CHANTRY DR	10692040	9500L	-117.211772442	33.9128174218	25	1491962
4039832E	CONCRETE	1989	SYLVESTER CT W/S, 290' N/O JONESBOROUGH CT	10692040	9500L	-117.210678197	33.9113043691	25	1491962
4039834E	CONCRETE	1989	JANIE CT W/S, 215' S/O FRESCA DR	10692040	9500L	-117.209709738	33.9114183690	25	1491962
4039835E	CONCRETE	1989	FRESCA DR S/S, 495' W/O LASALLE ST	10692040	9500L	-117.210318054	33.9119068910	25	1491962
4039836E	CONCRETE	1989	FRESCA DR S/S, 140' W/O LASALLE ST	10692040	9500L	-117.209395272	33.9119233521	25	1491962
4057929E	CONCRETE	1988	LASSELE ST W/S, 60' N/O BRODIAEA AVE	10692040	9500L	-117.209007954	33.9139035871	29	1491962
4057930E	CONCRETE	1988	BRODIAEA AVE N/S, 470' W/O LASSELLE ST	10692040	9500L	-117.210468527	33.9138262588	25	1491962
4057931E	CONCRETE	1988	BRODIAEA AVE N/S, 65' E/O SANDPIPER LN	10692040	9500L	-117.212439320	33.9137798572	25	1491962
4060672E	CONCRETE	1989	LASALLE ST W/S, 135' S/O FRESCA DR	10692040	9500L	-117.209010135	33.9116435594	25	1491962
4062979E	CONCRETE	1989	E/S SANDPIPER LN., 240' S/O COPPER COVE	10692040	9500L	-117.212432190	33.9148678841	25	1491962
4062980E	CONCRETE	1989	W/S SANDPIPER LN., 410' S/O COPPER COVE	10692040	9500L	-117.212604525	33.9144641696	25	1491962
4062982E	CONCRETE	1989	E/S SAN CRISTOBOL BAY, 240' S/O COPPER COVE	10692040	9500L	-117.211610526	33.9149273340	25	1491962
4062985E	CONCRETE	1989	E/S ST. TROPEZ, 230' S/O COPPER COVE	10692040	9500L	-117.210806847	33.9149269030	25	1491962
4062986E	CONCRETE	1989	W/S ST. TROPEZ, 420' S/O COPPER COVE	10692040	9500L	-117.210891777	33.9143080826	25	1491962
4062988E	CONCRETE	1989	MONTEGO BAY DR. E/S 225' S/O COPPER COVE LN	10692040	9500L	-117.210008461	33.9149789173	25	1491962
4062989E	CONCRETE	1989	MONTEGO BAY DR. 440'S/O COPPER COVE LN.	10692040	9500L	-117.210080910	33.9142417164	25	1491962
4062991E	CONCRETE	1989	JAMAICA SANDS LN W/S, 230' S/O COPPER COVE	10692040	9500L	-117.209325667	33.9149232469	25	1491962
4062992E	CONCRETE	1989	JAMAICA SANDS LN W/S, 386' S/O COPPER COVE	10692040	9500L	-117.209271185	33.9143629149	25	1491962
4062983E	CONCRETE	1989	W/S SAN CRISTOBOL BAY, 420' S/O COPPER COVE	10692040	9500L	-117.211790476	33.9142740254	25	1491962
4250021E	CONCRETE	1994	CACTUS AVE N/S, 500' W/O NASON ST	10692043	22000L	-117.193112153	33.9102566260	29	1491960
4250022E	CONCRETE	1994	CACTUS AVE N/S, 900' W/O NASON ST	10692043	22000L	-117.194353730	33.9102288785	29	1491960
4250023E	CONCRETE	1994	CACTUS AVE N/S, 1260' W/O NASON ST	10692043	22000L	-117.195537395	33.9101931468	29	1491960
4250024E	CONCRETE	1994	CACTUS AVE N/S, 1660' W/O NASON ST	10692043	22000L	-117.197076801	33.9101695950	29	1491960
4250025E	CONCRETE	1994	CACTUS AVE N/S, 2040' W/O NASON ST	10692043	22000L	-117.198326222	33.9101683965	29	1491960
4250026E	CONCRETE	1994	CACTUS AVE N/S, 2440' W/O NASON ST	10692043	22000L	-117.199316623	33.9101463974	29	1491960
4424578E	CONCRETE	2001	BRODIAEA AVE. S/S, 498' W/O C/L NASON ST.	10692043	22000L	-117.193163561	33.9136129053	32	1491960
4424579E	CONCRETE	2001	BRODIAEA AVE. S/S, 683' W/O C/L NASON ST.	10692043	22000L	-117.193796344	33.9136081386	32	1491960
4250013E	CONCRETE	1994	NASON ST W/S, 1200' N/O CACTUS AVE	10692046	22000L	-117.191585113	33.9133417594	29	1491960
4250014E	CONCRETE	1994	NASON ST W/S, 1000' N/O CACTUS AVE	10692046	22000L	-117.191575564	33.9127647487	29	1491960
4250015E	CONCRETE	1994	NASON ST W/S, 800' N/O CACTUS AVE	10692046	22000L	-117.191576348	33.9122288751	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4250016E	CONCRETE	1994	NASON ST W/S, 600' N/O CACTUS AVE	10692046	22000L	-117.191566985	33.9116683580	29	1491960
4250017E	CONCRETE	1994	NASON ST W/S, 420' N/O CACTUS AVE	10692046	22000L	-117.191558361	33.9111765216	29	1491960
4250018E	CONCRETE	1994	NASON ST W/S, 250' N/O CACTUS AVE	10692046	22000L	-117.191540269	33.9107232336	29	1491960
4424576E	CONCRETE	2001	S/W C/L BRODIAEA AVE. & NASON ST.	10692046	22000L	-117.191591381	33.9136165123	32	1491960
4424577E	CONCRETE	2001	BRODIAEA AVE. S/S, 295' W/O C/L NASON ST.	10692046	22000L	-117.192501166	33.9136233985	32	1491960
4523974E	CONCRETE	2010	OLD 215 FRONTAGE RD E/S, 259' S/O C/L ALESSAN	10712016	22000L	-117.282922469	33.9160758359	32	1491960
4709205E	CONCRETE	2010	OLD 215 FRONTAGE RD E/S, 433' S/O C/L ALESSAN	10712016	22000L	-117.282732718	33.9156017524	32	1491960
4709206E	CONCRETE	2010	OLD 215 FRONTAGE RD E/S, 606' S/O C/L ALESSAN	10712016	22000L	-117.282573027	33.9151718866	32	1491960
4300485E	CONCRETE	1995	ALESSANDRO BLVD S/S, 415'E/O PEPPER ST	10712019	22000L	-117.274873901	33.9167897146	28	1491960
4300486E	CONCRETE	1995	ALESSANDRO BLVD S/S, 217' E/O PEPPER ST	10712019	22000L	-117.275437517	33.9167878427	28	1491960
4300487E	CONCRETE	1995	ALESSANDRO BLVD S/S, 30' E/O PEPPER ST	10712019	22000L	-117.276008799	33.9167924016	28	1491960
4300488E	CONCRETE	1995	ALESSANDRO BLVD S/S, 125' W/O PEPPER ST	10712019	22000L	-117.276673440	33.9167749492	28	1491960
4300489E	CONCRETE	1995	ALESSANDRO BLVD S/S, 300' W/O PEPPER ST	10712019	22000L	-117.277385284	33.9167636053	28	1491960
4300490E	CONCRETE	1995	ALESSANDRO BLVD S/S, 240' E/O DAY ST	10712019	22000L	-117.278037860	33.9167582423	28	1491960
4300491E	CONCRETE	1995	DAY ST E/S, 185' S/O ALESSANDRO BLVD	10712019	22000L	-117.278837402	33.9163587043	28	1491960
4300492E	CONCRETE	1995	DAY ST E/S, 377' S/O ALESSANDRO BLVD	10712019	22000L	-117.278827438	33.9157954371	28	1491960
4300493E	CONCRETE	1995	DAY ST E/S, 561' S/O ALESSANDRO BLVD	10712019	22000L	-117.278821650	33.9153063306	28	1491960
4300495E	CONCRETE	1995	DAY ST E/S, 979' S/O ALESSANDRO BLVD	10712019	22000L	-117.278828918	33.9142068336	28	1491960
4419948E	CONCRETE	2002	ALESSANDRO BLVD S/S 250' E/O C/L GRANT	10712019	22000L	-117.273433440	33.9167877662	32	1491960
4419949E	CONCRETE	2002	ALESSANDRO BLVD S/S 447' E/O C/L GRANT	10712019	22000L	-117.272784311	33.9168068147	32	1491960
4419973E	CONCRETE	2002	GRANT W/S 193' S/O C/L ALESSANDRO BLVD	10712019	9500L	-117.274355339	33.9164202236	27	1491960
4419974E	CONCRETE	2002	GRANT E/S 320' S/O C/L ALESSANDRO BLVD.	10712019	9500L	-117.274242141	33.9160446735	27	1491960
4419975E	CONCRETE	2002	ALESSANDRO BLVD S/S 65' E/O C/L GRANT	10712019	22000L	-117.274102661	33.9167960308	32	1491960
4709207E	CONCRETE	2010	OLD 215 FRONTAGE RD E/S, 805' S/O C/L ALESSAN	10712019	22000L	-117.282345504	33.9146358212	32	1491960
4709221E	CONCRETE	2010	OLD 215 FRONTAGE RD E/S, 1005' S/O C/L ALESSA	10712019	22000L	-117.282136497	33.9141173149	32	1491960
4300494E	CONCRETE	1995	DAY ST E/S, 789' S/O ALESSANDRO BLVD	10712019	22000L	-117.278817492	33.9146442013	28	1491960
4150902E	CONCRETE	1989	W/S ELSWORTH, 874' S/O ALESSANDRO	10712022	9500L	-117.270101267	33.9145429461	25	1491962
4150903E	CONCRETE	1989	W/S ELSWORTH, 570' S/O ALESSANDRO	10712022	9500L	-117.2701171011	33.9154319604	25	1491962
4150904E	CONCRETE	1989	N/S BUSINESS CENTER DR., 216' W/O ELSWORTH	10712022	9500L	-117.270934495	33.9153012406	25	1491962
4150905E	CONCRETE	1989	W/S BUSINESS CENTER DR., 486' W/O ELSWORTH	10712022	9500L	-117.271543557	33.9151449607	25	1491962
4150906E	CONCRETE	1989	W/S BUSINESS CENTER DR., 678' W/O ELSWORTH	10712022	9500L	-117.271551038	33.9146921413	25	1491962
4004818E	CONCRETE	1988	DON ST N/S, 1046' W/O FREDERICK	10712022	9500L	-117.264525062	33.9144757785	25	1491962
4004819E	CONCRETE	1988	CALLE SAN JUAN DE LOS LAGOS S/S, 748' W/O FR	10712022	9500L	-117.263539345	33.9144102083	25	1491962
4004820E	CONCRETE	1988	DON ST N/S, 575' W/O FREDERICK	10712022	9500L	-117.262973896	33.9144986629	25	1491962
4151625E	CONCRETE	1990	ALESSANDRO S/S, 237' W/O C/L ELLSWORTH, MR	10712022	22000L	-117.270494012	33.9168530081	29	1491960
4151626E	CONCRETE	1990	ALESSANDRO S/S, 437' W/O C/L ELLSWORTH, MR	10712022	22000L	-117.271228634	33.9168167786	29	1491960
4004801E	CONCRETE	1988	ALESSANDRO BL S/S, 1290' W/O FREDERICK	10712022	22000L	-117.265208073	33.9169509924	29	1491960
4004802E	CONCRETE	1988	ALESSANDRO BL S/S, 890' W/O FREDERICK	10712022	22000L	-117.264226475	33.9170084173	29	1491960
4163452E	CONCRETE	1991	ALESSANDRO N/S, 620' W/O C/L FREDERICK	10712022	22000L	-117.263331662	33.9171585705	29	1491960
4522496E	CONCRETE	2005	SAN JUAN DE LOS LAGOS S/S, 888' W/O C/L FREDI	10712022	22000L	-117.264029302	33.9144058930	32	1491960
4676172E	CONCRETE	2007	ADRIENNE AVE E/S, 177' S/O PAN-AM BLVD	10712022	9500L	-117.266184470	33.9184529504	27	1491962
4676175E	CONCRETE	2007	PAN-AM BLVD S/S, 345' E/O ADRIENNE AVE	10712022	9500L	-117.266958165	33.9193449945	27	1491962
4151627E	CONCRETE	1990	ALESSANDRO S/S, 637' W/O C/L ELLSWORTH, MR	10712022	22000L	-117.271888095	33.9168361290	29	1491960
4004821E	CONCRETE	1988	DON ST S/S, 375' W/O FREDERICK	10712025	9500L	-117.262305551	33.9144377280	25	1491962
4004822E	CONCRETE	1988	DON ST N/S, 175' W/O FREDERICK	10712025	9500L	-117.261636276	33.9145111240	25	1491962
2315613E	CONCRETE	1985	W/S CHAGALL CT X/O CASPIAN WY	10712025	9500L	-117.256933867	33.9194676926	25	1491962
2315614E	CONCRETE	1985	N/S CASPIAN WY, 175' E/O CHAGALL CT	10712025	9500L	-117.256324450	33.9197160335	25	1491962
2315615E	CONCRETE	1985	S/S CASPIAN WY, X/O GUCCI DRV	10712025	9500L	-117.256046924	33.9196335848	25	1491962
2315632E	CONCRETE	1984	KALAHARI CT, CUL-DE-SAC, S/O GERBERA ST	10712025	9500L	-117.255860830	33.9177907799	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2315633E	CONCRETE	1984	GERBERA ST, S/S, 115' E/O CHAGALL CT	10712025	9500L	-117.256433821	33.9187599140	25	1491962
2315635E	CONCRETE	1984	CHAGALL CT, W/S, 185' S/O GERBERA ST	10712025	9500L	-117.256868441	33.9184171202	25	1491962
2315636E	CONCRETE	1984	CHAGALL CT, E/S, 355' S/O GERBERA ST	10712025	9500L	-117.256699292	33.9178534601	25	1491962
2327923E	CONCRETE	1957	N/S GERBERA ST AT CHAGALL CT	10712025	9500L	-117.256653248	33.9188432197	30	1491962
2270669E	CONCRETE	1982	W/SCASPIAN WAY 360' S/O BAY AVE	10712025	9500L	-117.253139781	33.9194391608	25	1491962
2270670E	CONCRETE	1982	S/END KARENLYNN DR 240' S/O BAY AVE	10712025	9500L	-117.254029850	33.9198985840	25	1491962
2315617E	CONCRETE	1985	S/S CASPIAN WY, X/O PROTEA CT	10712025	9500L	-117.255364379	33.9193286741	25	1491962
2315618E	CONCRETE	1985	PROTEA CT E/S, 150' N/O CASPIAN WY	10712025	9500L	-117.255005273	33.9196452469	25	1491962
2315619E	CONCRETE	1985	N/W C/O DIZA ST & CASPIAN WAY	10712025	9500L	-117.254672392	33.9189785131	25	1491962
2315620E	CONCRETE	1985	E/S DIZA ST, 140' N/O CASPIAN WY	10712025	9500L	-117.254321577	33.9191623561	25	1491962
2315621E	CONCRETE	1985	S/S 120' E/O DIZA ST	10712025	9500L	-117.254363284	33.9187328051	25	1491962
2315622E	CONCRETE	1984	CASPIAN WY, S/S, COR/O GERBERA ST	10712025	9500L	-117.253648646	33.9187325997	25	1491962
2315624E	CONCRETE	1984	GERBERA ST, W/S, 145' S/O CASPIAN WY	10712025	9500L	-117.253397227	33.9184168963	25	1491962
2315625E	CONCRETE	1984	GERBERA ST, E/S, LOT 32	10712025	9500L	-117.253020376	33.9181279398	25	1491962
2315626E	CONCRETE	1984	GERBERA ST, S/S, LOTS 35 & 35	10712025	9500L	-117.253320602	33.9177825550	25	1491962
2315628E	CONCRETE	1984	GERBERA ST, N/S LOT 19	10712025	9500L	-117.254540983	33.9180374086	25	1491962
2315629E	CONCRETE	1984	GERBERA ST, S/S, LOT 44	10712025	9500L	-117.255131999	33.9181248425	25	1491962
2315630E	CONCRETE	1984	GERBERA ST, N/S, LOT 15	10712025	9500L	-117.255442648	33.9184312805	25	1491962
2315631E	CONCRETE	1984	KALAHARI CT, E/S 100' S/O GERBERA ST	10712025	9500L	-117.255549500	33.9180447607	25	1491962
2326822E	CONCRETE	1987	CASPIAN WY, N/S, 170' E/O GERBERA ST	10712025	9500L	-117.253384840	33.9190300702	25	1491962
4004806E	CONCRETE	1988	FREDERICK ST W/S, 615' S/O ALESSANDRO	10712025	22000L	-117.261213577	33.9155114707	29	1491960
4004803E	CONCRETE	1988	ALESSANDRO BL S/S, 490' W/O FREDERICK	10712025	22000L	-117.262566029	33.9170795876	29	1491960
4004804E	CONCRETE	1988	ALESSANDRO BL S/S, 90' W/O FREDERICK	10712025	22000L	-117.261320632	33.9171281329	29	1491960
4004805E	CONCRETE	1988	FREDERICK ST W/S, 213' S/O ALESSANDRO	10712025	22000L	-117.261285170	33.9165744632	29	1491960
4364485E	CONCRETE	1999	GERBERA ST, S/S, LOT 37	10712025	9500L	-117.253984986	33.9178440178	26	1491962
4441752E	CONCRETE	2006	ALESSANDRO BLVD N/S 30' N/O CHAGALL COURT	10712025	22000L	-117.256641189	33.9172457050	31	1491960
4441753E	CONCRETE	2006	ALESSANDRO AVE 420' N/O CHAGALL COURT	10712025	22000L	-117.258075299	33.9172399474	31	1491960
4441755E	CONCRETE	2006	ALESSANDRO BLVD N/S 230' E/O FREDRICK STREE	10712025	22000L	-117.260497976	33.9172450997	31	1491960
4441758E	CONCRETE	2006	FREDRICK STREET E/S 630' S/O BAY STREET	10712025	22000L	-117.261170016	33.9192168833	31	1491960
4441759E	CONCRETE	2006	FREDRICK STREET ES 418' S/O BAY STREET	10712025	22000L	-117.261185783	33.9197955226	31	1491960
4725933E	CONCRETE	2009	ALESSANDRO BLVD N/S 405' E/OP FREDRICK ST.	10712025	22000L	-117.259913607	33.9172387259	31	1491960
4748103E	CONCRETE	2010	ALESSANDRO N/S 941' W/O GRAHAM	10712025	22000L	-117.255466118	33.9172822496	32	1491960
4748104E	CONCRETE	2010	ALESSANDRO N/S 747' W/O GRAHAM	10712025	22000L	-117.254944893	33.9172710009	32	1491960
4748105E	CONCRETE	2010	ALESSANDRO N/S 333' W/O GRAHAM	10712025	22000L	-117.253547692	33.9173271537	32	1491960
2315637E	CONCRETE	1985	GERBERA ST, S/S, 2ND POLE EAST OF CHAGALL CT	10712025	9500L	-117.255834425	33.9185065886	25	1491962
2292346E	CONCRETE	1983	TRAVERS E/S 145 N/O DIMITRA	10712028	9500L	-117.242940559	33.9158601346	30	1491962
2292347E	CONCRETE	1983	TRAVERS ST W/S W/END OF DIMITRA	10712028	9500L	-117.243067240	33.9154510288	30	1491962
2292348E	CONCRETE	1983	TRAVERS ST E/S 145 S/O DIMITRA	10712028	9500L	-117.242934931	33.9150590837	30	1491962
2307353E	CONCRETE	1984	GOLDEN EAGLE W/S 165 N/O NEW ENGLAND DR	10712028	9500L	-117.250871412	33.9198891585	25	1491962
2307354E	CONCRETE	1984	NEW ENGLAND DR S/S COR/O GOLDEN EAGLE CT	10712028	9500L	-117.250846264	33.9194430872	25	1491962
2307355E	CONCRETE	1984	NEW ENGLAND DR S/S 190 E/O GRAHAM ST	10712028	9500L	-117.251926403	33.9194209420	25	1491962
2307356E	CONCRETE	1984	NEW ENGLAND DR N/S 145 E/O BELLCREST CT	10712028	9500L	-117.251434681	33.9195105317	25	1491962
2309386E	CONCRETE	1957	W/S ROCKCREST DR N/O NEW ENGLAND DR	10712028	9500L	-117.246497483	33.9199503110	30	1491962
2309387E	CONCRETE	1985	ROCKCREST DR E/S	10712028	9500L	-117.246320112	33.9193182128	25	1491962
2309388E	CONCRETE	1985	NEW ENGLAND N/S	10712028	9500L	-117.246919609	33.9195360719	25	1491962
2309389E	CONCRETE	1985	NEWGLAND DR S/S	10712028	9500L	-117.247609591	33.9194521665	25	1491962
2309390E	CONCRETE	1985	ROCKPORT CT W/S	10712028	9500L	-117.247590347	33.9199167726	25	1491962
2315127E	CONCRETE	1985	SYLMAR DR, W/S 235' N/O NEW ENGLAND	10712028	9500L	-117.249911714	33.9200075569	25	1491962
2315128E	CONCRETE	1985	NEW ENGLAND DR, N/S COR/O SYLMAR DR	10712028	9500L	-117.249708547	33.9195196667	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2315129E	CONCRETE	1985	NEW ENGLAND DR, S/S 145' E/O SYLAMR DR	10712028	9500L	-117.249322823	33.9194629434	25	1491962
2315130E	CONCRETE	1985	NEW ENGLAND DR, N/S 320' E/O SYLAMR DR	10712028	9500L	-117.248799551	33.9195300424	25	1491962
2315131E	CONCRETE	1985	NEW ENGLAND DR, S/S LOT 24	10712028	9500L	-117.248256771	33.9194633194	25	1491962
2270672E	CONCRETE	1982	GRAHAM ST E/S 330' S/O BAY AVE	10712028	22000L	-117.252406199	33.9199966584	25	1491960
2270673E	CONCRETE	1982	GRAHAM ST W/S 540' S/O BAY AVE	10712028	22000L	-117.252504274	33.9194969609	25	1491960
4163376E	CONCRETE	1990	ALESSANDRO N/S, 1553' E/O C/L GRAHAM, MRNO	10712028	22000L	-117.247818439	33.9173525735	29	1491960
4163377E	CONCRETE	1990	ALESSANDRO N/S, 1066' E/O C/L GRAHAM, MRNO	10712028	22000L	-117.248864582	33.9173367649	29	1491960
4163378E	CONCRETE	1990	ALESSANDRO N/S, 889' E/O C/L GRAHAM, MRNO	10712028	22000L	-117.249425845	33.9173285522	29	1491960
4163379E	CONCRETE	1990	ALESSANDRO N/S, 706' E/O C/L GRAHAM, MRNO	10712028	22000L	-117.250149685	33.9173559276	29	1491960
4163380E	CONCRETE	1990	ALESSANDRO N/S, 541' E/O C/L GRAHAM, MRNO	10712028	22000L	-117.250793766	33.9173446423	29	1491960
2307359E	CONCRETE	1984	HEACOCK W/S 465' S/O BAY	10712028	22000L	-117.243749580	33.9198054175	29	1491960
2327399E	CONCRETE	1986	HEACOCK ST, W/S, 465' N/O ALESSANDRO BLVD	10712028	22000L	-117.243748274	33.9185667264	29	1491960
2327400E	CONCRETE	1986	HEACOCK ST, W/S, 265' N/O ALESSANDRO BLVD	10712028	22000L	-117.243732613	33.9180441278	29	1491960
4151632E	CONCRETE	1990	E/S HEACOCK, 326' S/O BAY	10712028	22000L	-117.243615133	33.9201554789	29	1491960
4151633E	CONCRETE	1990	E/S HEACOCK, 788' N/O ALESSANDRO	10712028	22000L	-117.243620152	33.9194409612	29	1491960
4151634E	CONCRETE	1990	E/S HEACOCK, 629' N/O ALESSANDRO	10712028	22000L	-117.243611339	33.9190511326	29	1491960
4151635E	CONCRETE	1990	E/S HEACOCK, 493' N/O ALESSANDRO	10712028	22000L	-117.243627926	33.9186576885	29	1491960
4151636E	CONCRETE	1990	E/S HEACOCK, 273' N/O ALESSANDRO	10712028	22000L	-117.243614653	33.9180820397	29	1491960
4163375E	CONCRETE	1990	ALESSANDRO N/S, 1876' E/O C/L GRAHAM, MRNO	10712028	22000L	-117.245849286	33.9173815389	29	1491960
4224493E	CONCRETE	1994	14068 GRAHAM ST S/O ALESSANDRO	10712028	22000L	-117.252368890	33.9162900211	29	1491960
4317079E	CONCRETE	1997	HEACOCK ST W/S, 640' N/O BRODIAEA AVE	10712028	22000L	-117.243753591	33.9153961455	29	1491960
4336455E	CONCRETE	1998	HEACOCK ST E/S 446' S/O ALLESANDRO BL	10712028	22000L	-117.243769760	33.9163812236	31	1491960
4336456E	CONCRETE	1998	HEACOCK ST W/S 595' S/O ALLESANDRO	10712028	22000L	-117.243734162	33.9157097611	31	1491960
4336457E	CONCRETE	1998	HEACK ST E/S 446' S/O ALLESANDRO BL	10712028	22000L	-117.243595719	33.9165762811	31	1491960
4163600E	CONCRETE	2007	ALESSANDRO BL. N/S 182' W/O HEACOCK ST.	10712028	22000L	-117.244238293	33.9173552509	31	1491962
4229900E	CONCRETE	1997	HEACOCK ST W/S, 420' N/O BRODIAEA AVE	10712028	22000L	-117.243745274	33.9148432273	29	1491960
4748106E	CONCRETE	2010	GRAHAM E/S 235' S/O ALESSANDRO	10712028	22000L	-117.252385939	33.9166494158	32	1491960
4706609E	CONCRETE	2013	GRAHAM ST E/S, 290' N/O C/L ALESSANDRO	10712028	22000L	-117.252381122	33.9180756997	32	1491960
4720128E	CONCRETE	2013	ALESSANDRO BL N/S, 230' E/O C/L GRAHAM ST	10712028	22000L	-117.251684911	33.9173457792	32	1491960
2204005E	CONCRETE	1980	FINLEY DR W/S 210' N/O DIMITRA	10712031	9500L	-117.237694528	33.9160022398	25	1491962
2204007E	CONCRETE	1980	DIMITRA DR S/S 20' E/O HANSTEEN	10712031	9500L	-117.238469485	33.9154270658	25	1491962
2204008E	CONCRETE	1980	DIMITRA DR S/S 170' W/O HANSTEEN	10712031	9500L	-117.239018036	33.9154044267	25	1491962
2204009E	CONCRETE	1980	HANSTEEN CT W/S 140' N/O DIMITRA	10712031	9500L	-117.238624957	33.9158233226	25	1491962
2225922E	CONCRETE	1982	OLIVER ST EXTD. P/P 420'E 1290'N/O ALESSANDRO	10712031	9500L	-117.236758252	33.9151536941	35	1491962
2289508E	CONCRETE	1984	MT RUSSELL W/C 170 N/O DIMITRA	10712031	9500L	-117.241232242	33.9159754163	25	1491962
2289509E	CONCRETE	1984	C/O DIMITRA AND MT RUSSELL	10712031	9500L	-117.241089422	33.9155091375	25	1491962
2289510E	CONCRETE	1984	DIMITRA S/S 15 W/P MAXIINE CT	10712031	9500L	-117.240299989	33.9154159700	25	1491962
2289511E	CONCRETE	1984	MAXINE CT E/S 120 N/O DIMITRA	10712031	9500L	-117.240221333	33.9157593534	25	1491962
2289512E	CONCRETE	1984	DIMITRA DR N/S 100 W/O FENNER CT	10712031	9500L	-117.239772173	33.9154981923	25	1491962
2289513E	CONCRETE	1984	FENNER W/S 80 N/O DIMITRA	10712031	9500L	-117.239525266	33.9157934149	25	1491962
2289514E	CONCRETE	1984	DIMITRA DR S/S 100 W/O MT RUSSELL	10712031	9500L	-117.241410604	33.9154160964	25	1491962
2292343E	CONCRETE	1983	ANN MARIE CT E/S 200 N/O DIMITRA	10712031	9500L	-117.241986314	33.9160813808	30	1491962
2292344E	CONCRETE	1983	ANN MARIE W/S 15 N/O DIMITRA	10712031	9500L	-117.242114026	33.9155157551	30	1491962
2292345E	CONCRETE	1983	DIMITRA S/S 80 E/O TRAVERS	10712031	9500L	-117.242651839	33.9154082766	30	1491962
2204015E	CONCRETE	1957	INDIAN AVE E/S AT JENKINS DR	10712031	9500L	-117.234827037	33.9154531629	30	1491962
2204016E	CONCRETE	1980	JENKINS DR S/S 175' W/O LINNETT DR	10712031	9500L	-117.234026005	33.9154804227	25	1491962
2204017E	CONCRETE	1980	JENKINS DR E/S 45' E/O LINNETT DR	10712031	9500L	-117.233268455	33.9154672669	25	1491962
2204018E	CONCRETE	1980	LINNETT DR E/S 160' S/O JENKINS	10712031	9500L	-117.233282177	33.9150683960	25	1491962
2245015E	CONCRETE	1982	AUSTIENE CIR. E/S 255' N/O JONNA DR.	10712031	9500L	-117.235639373	33.9149775964	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4057950E	CONCRETE	1988	14161 INDIAN AVE	10712031	22000L	-117.234964385	33.9159727260	25	1491962
2199172E	CONCRETE	1957	N/S DELGADO CT E/O BALE	10712031	9500L	-117.240957791	33.9187280596	30	1491962
2199173E	CONCRETE	1957	N/S DELGADO CT E/O BALE	10712031	9500L	-117.240327402	33.9187125316	30	1491962
2199174E	CONCRETE	1957	S/S DELGADO CT E/O BALE	10712031	9500L	-117.239772195	33.9186888350	30	1491962
2199175E	CONCRETE	1957	N/S VIA VARGAS DR E/O BALE	10712031	9500L	-117.241424867	33.9179179123	30	1491962
2199176E	CONCRETE	1957	VIA VARGAS DR N/S E/O CALADA DR	10712031	9500L	-117.240729591	33.9179128156	30	1491962
2199177E	CONCRETE	1957	N/S VIA VARGAS DR W/O CALADA DR	10712031	9500L	-117.239699900	33.9179178532	30	1491962
2204003E	CONCRETE	1980	FINLEY DR E/S 55' E/O MT. RUSSELL	10712031	9500L	-117.237526378	33.9166312816	25	1491962
2204004E	CONCRETE	1980	MT RUSSELL N/S 165' W/O FINLEY	10712031	9500L	-117.238061556	33.9167572818	25	1491962
2207187E	CONCRETE	1979	W/S RAMSDELL 150 N/O ALESANDRO BL	10712031	9500L	-117.242000232	33.9177320080	35	1491962
2207188E	CONCRETE	1979	W/S RAMSDELL DR 415 N/O ALESANDRO BL	10712031	9500L	-117.241808431	33.9182648537	35	1491962
2207189E	CONCRETE	1979	W/S RAMSDELL DR 170' W/O DELGADO CT	10712031	9500L	-117.241624075	33.9184513111	35	1491962
2207190E	CONCRETE	1979	E/S RAMSDELL DR 125' N/O DELGADO CT	10712031	9500L	-117.241308863	33.9189185000	35	1491962
2207191E	CONCRETE	1979	W/S RAMSDELL DR 100' W/O HORTON CT	10712031	9500L	-117.241360557	33.9192967523	35	1491962
2207192E	CONCRETE	1979	W/S RAMSDELL DR 185' W/O MILLSAP DR	10712031	9500L	-117.241073762	33.9198733617	35	1491962
2207479E	CONCRETE	1980	MILLSAP DR N/S 150' E/O RAMSDELL	10712031	9500L	-117.240204906	33.9202235368	25	1491962
2226155E	CONCRETE	1983	MT RUSSEL N/S W/O BRANDT	10712031	9500L	-117.239010107	33.9167415915	30	1491962
2226495E	CONCRETE	1980	MILLSAP DR S/S 390' E/O RAMSDELL	10712031	9500L	-117.239647717	33.9201629903	25	1491962
2226496E	CONCRETE	1980	HORTON CT S/S 130' E/O RAMSDELL	10712031	9500L	-117.240770566	33.9194226576	25	1491962
2289143E	CONCRETE	1983	N/S VIA VARGAS 220 N/O ALESSANDRO	10712031	9500L	-117.237569793	33.9179644593	30	1491962
2289144E	CONCRETE	1983	S/S VIA VARGAS 180 E/O CALADA DR	10712031	9500L	-117.238300463	33.9178671585	30	1491962
2289145E	CONCRETE	1983	S/S VIA VARGAS COR/O CALADA DR	10712031	9500L	-117.238986928	33.9178096678	25	1491962
2289146E	CONCRETE	1983	W/S CALADA DR 180 N/O VIA VARGASS	10712031	9500L	-117.239041305	33.9182853470	30	1491962
2289147E	CONCRETE	1983	COR/O CALADA DR & BAIRNDALE DR	10712031	9500L	-117.238937890	33.9186037305	30	1491962
2289148E	CONCRETE	1983	W/S CALADA DR 180 N/O BAIRNDALE DR	10712031	9500L	-117.239054044	33.9191171390	30	1491962
2289149E	CONCRETE	1983	E/S CALADA DR 360 N/O BAIRNDALE DR	10712031	9500L	-117.238914755	33.9197290250	30	1491962
2289312E	CONCRETE	1983	MT RUSSEL W/O BRANDT	10712031	9500L	-117.238453926	33.9166539297	30	1491962
2289505E	CONCRETE	1984	MT RUSSELL S/S 330 FROM W CORNER ST	10712031	9500L	-117.239820024	33.9167491065	25	1491962
2289506E	CONCRETE	1984	MT RUSSELL N/S 160 FROM W CORNER ST	10712031	9500L	-117.240541345	33.9167635297	25	1491962
2289507E	CONCRETE	1984	MT RUSSELL E/S 350 N/O DIMITRA	10712031	9500L	-117.241099848	33.9164953190	25	1491962
2292325E	CONCRETE	1983	N/S MILLSAP 295 W/O FAIRFIELD	10712031	9500L	-117.238638028	33.9202344831	30	1491962
2292326E	CONCRETE	1983	S/S MILLSAPS DR 100 W/O FAIRFIELD	10712031	9500L	-117.238189228	33.9201467759	30	1491962
2292327E	CONCRETE	1983	N/S MILLSAPS 25 E/O FAIRFIELD	10712031	9500L	-117.237687378	33.9202353824	30	1491962
2299101E	CONCRETE	1984	BAIRNDALE N/S 15 W/O DABNEY	10712031	9500L	-117.238145626	33.9187430576	25	1491962
2299102E	CONCRETE	1984	BAIRNDALE END/O CULDESAC E/O DABNEY	10712031	9500L	-117.237288160	33.9186926946	25	1491962
2299103E	CONCRETE	1984	DABNEY W/S 190 N/O BAIRNDALE	10712031	9500L	-117.238073912	33.9192384360	25	1491962
2299104E	CONCRETE	1984	DABNEY N/S BTX LOTS 8&9	10712031	9500L	-117.237208309	33.9194340048	25	1491962
2315452E	CONCRETE	1984	PHEASANT KNOLL LN, W/S, COR/O WILLET LN	10712031	9500L	-117.233522411	33.9202004356	25	1491962
2315453E	CONCRETE	1984	PHEASANT KNOLL LN, E/S, 210 S/O WILLET LN	10712031	9500L	-117.233377971	33.9195790348	25	1491962
2315454E	CONCRETE	1984	PHEASANT KNOLL LN, W/S, LOT 11	10712031	9500L	-117.233328647	33.9189845975	25	1491962
2315455E	CONCRETE	1984	PHEASANT KNOLL LN, E/S, LOT 86	10712031	9500L	-117.233141408	33.9184495098	25	1491962
2315456E	CONCRETE	1984	PHEASANT KNOLL LN, W/S, 35 N/O CAROLYN AVE	10712031	9500L	-117.233236807	33.9179752363	25	1491962
2315457E	CONCRETE	1984	CAROLYN AVE, N/S, LOT 88	10712031	9500L	-117.2333041272	33.9179377327	25	1491962
4165348E	CONCRETE	1990	INDIAN W/S, 472' N/O C/L ALESSANDRO, MRNO V	10712031	9500L	-117.234960427	33.9185956046	25	1491962
2204001E	CONCRETE	1980	ALESSANDRO BLVD. S/S 195' W/O FINLEY DR	10712031	22000L	-117.238101020	33.9172787491	25	1491960
2289501E	CONCRETE	1984	CORNER MT RUSSELL AND ALESSANDRO	10712031	22000L	-117.240737525	33.9172594714	25	1491960
2289502E	CONCRETE	1984	ALESSANDRO S/S E/O MT RUSSELL	10712031	22000L	-117.240170257	33.9172611505	29	1491960
2289503E	CONCRETE	1984	ALESSANDRO S/S 440 E/O MT RUSSELL	10712031	22000L	-117.239183313	33.9172594268	29	1491960
4442126E	CONCRETE	2001	ALESSANDRO S/S 650 E/O MT RUSSELL	10712031	9500L	-117.239670231	33.9172481051	26	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4062633E	CONCRETE	1990	ALESSANDRO S/S, 303' E/O C/L HEACOCK, MRNO	10712031	22000L	-117.242667658	33.9172766169	29	1491960
4062634E	CONCRETE	1990	ALESSANDRO S/S, 490' E/O C/L HEACOCK, MRNO	10712031	22000L	-117.241994399	33.9172565632	29	1491960
4063126E	CONCRETE	1988	ALESSANDRO BLVD.S/S & E/S BRANDT	10712031	22000L	-117.237431842	33.9172517566	29	1491960
4165344E	CONCRETE	1991	ALESSANDRO N/S, 650' W/O C/L INDIAN, MRNO	10712031	22000L	-117.237021836	33.9173481618	29	1491960
4165345E	CONCRETE	1991	ALESSANDRO N/S, 458' W/O C/L INDIAN, MRNO	10712031	22000L	-117.236384167	33.9173601000	29	1491960
2315464E	CONCRETE	1984	ALESSANDRO BLVD, N/S, 790 W/O COVEY QUAIL LN	10712031	22000L	-117.233461810	33.9173906380	29	1491960
4062635E	CONCRETE	1990	ALESSANDRO S/S, 647' E/O C/L HEACOCK, MRNO	10712031	22000L	-117.241459978	33.9172401184	29	1491960
4212751E	CONCRETE	1992	INDIAN AVE E/S 300' S/O BAY ST	10712031	22000L	-117.234827760	33.9201199002	29	1491960
4293940E	CONCRETE	1996	ALESSANDRO BLVD N/S 70 W/O CL/O RAMSDELL	10712031	22000L	-117.242513513	33.9173753563	29	1491960
4271942E	CONCRETE	1996	BRANDT ST E/S, @ DIMITRA EXT'D MORENO VALL	10712031	9500L	-117.237594925	33.9154636784	23	1491962
4269415E	CONCRETE	1996	ALESSANDRO BL. N/S 315' E/O RAMSDELL DR.	10712031	9500L	-117.240947558	33.9173341282	25	1491962
4269417E	CONCRETE	1996	ALESSANDRO BL. N/S 750' E/O RAMSDELL DR.	10712031	9500L	-117.239069665	33.9173248223	25	1491962
4269418E	CONCRETE	1996	ALESSANDRO BL. N/S 200' W/O VIA VARGAS DR.	10712031	9500L	-117.238232449	33.9173687009	25	1491962
4269419E	CONCRETE	1996	ALESSANDRO BL. N/S AT VIA VARGAS DR.	10712031	9500L	-117.237504148	33.9173298443	25	1491962
4269420E	CONCRETE	1996	ALESSANDRO BL. S/S 515' W/O COVE QUAIL LN.	10712031	9500L	-117.233733817	33.9172772376	25	1491962
4269421E	CONCRETE	1996	ALESSANDRO BL. S/S 475' W/O COVE QUAIL LN.	10712031	9500L	-117.232992271	33.9172946771	25	1491962
4246604E	CONCRETE	1996	ALESSANDRO BL. N/S 20' W/O RAMSDELL DR.	10712031	9500L	-117.242092708	33.9173643944	25	1491962
4269414E	CONCRETE	1996	ALESSANDRO BL. N/S 45' E/O RAMSDELL DR.	10712031	9500L	-117.241841841	33.9173747172	25	1491962
4269416E	CONCRETE	1996	ALESSANDRO BL. N/S 300' E/O RAMSDELL DR.	10712031	9500L	-117.239986132	33.9173267093	25	1491962
4357689E	CONCRETE	1999	ALESSANDRO BLVD. N/S 255'E/O INDIAN AV	10712031	22000L	-117.234172005	33.9173702876	31	1491960
4285935E	CONCRETE	2002	INDIAN W/S, 227' S/O C/L BAY	10712031	22000L	-117.234978310	33.9203103565	32	1491960
4285936E	CONCRETE	2002	INDIAN W/S, 641' S/O C/L BAY	10712031	22000L	-117.234949623	33.9191968569	32	1491960
4285937E	CONCRETE	2002	INDIAN W/S, 1023' S/O C/L BAY	10712031	22000L	-117.234960151	33.9179626130	32	1491960
4495926E	CONCRETE	2003	INDIAN ST E/S, 567' S/O BAY AVE	10712031	22000L	-117.234847782	33.9194082523	32	1491960
4495950E	CONCRETE	2003	INDIAN ST E/S, 377' S/O BAY AVE	10712031	22000L	-117.234824057	33.9199304183	32	1491960
4716136E	CONCRETE	2008	ALESSANDRO N/S, 268' W/O C/L INDIAN, MRNO	10712031	22000L	-117.235781186	33.9173537559	32	1491960
2226497E	CONCRETE	1980	HORTON CT N/S 250' E/O RAMSDELL	10712031	9500L	-117.240288832	33.9194768925	25	1491962
2270184E	CONCRETE	1983	JENKINS S/S 225 E/O LINNETT	10712034	9500L	-117.232594250	33.9154847923	30	1491962
2270185E	CONCRETE	1983	JENKINS S/S 410 E/O LINNETT	10712034	9500L	-117.232029876	33.9155051959	30	1491962
2270186E	CONCRETE	1983	JENKINS S/S 600 E/O LINNETT	10712034	9500L	-117.231374504	33.9154807373	30	1491962
2315458E	CONCRETE	1984	CAROLYN AVE, S/S, 40 W/O ROBIN NEST CT	10712034	9500L	-117.232218305	33.9178389218	25	1491962
2315459E	CONCRETE	1984	ROBIN NEST CT, E/S, LOT 110	10712034	9500L	-117.232117620	33.9183569886	25	1491962
2315460E	CONCRETE	1984	ROBIN NEST CT, W/S, LOT 94	10712034	9500L	-117.232254025	33.9188722401	25	1491962
2315461E	CONCRETE	1984	ROBIN NEST CT, E/S, LOT 103	10712034	9500L	-117.232169979	33.9194362577	25	1491962
2315462E	CONCRETE	1984	CAROLYN AVE, S/S, LOT 27	10712034	9500L	-117.231623726	33.9180066320	25	1491962
2315463E	CONCRETE	1984	COVEY QUAIL LN, E/S, LOT 31	10712034	9500L	-117.231093601	33.9176501836	25	1491962
2315468E	CONCRETE	1984	CAROLYN AVE, N/S, 140 E/O COVEY QUAIL LN	10712034	9500L	-117.230454014	33.9182241273	25	1491962
2315469E	CONCRETE	1984	COVEY QUAIL LN, E/S, COR/O CAROLYN AVE	10712034	9500L	-117.231076198	33.9181992160	25	1491962
2315470E	CONCRETE	1984	COVEY QUAIL LN, W/S, 250 N/S CAROLYN AVE	10712034	9500L	-117.231206901	33.9188127049	25	1491962
2315471E	CONCRETE	1984	EUGENA AVE, N/S, 140 E/O COVEY QUAIL LN	10712034	9500L	-117.230496221	33.9188663470	25	1491962
2315472E	CONCRETE	1984	COVEY QUAIL LN, W/S, LOT 117	10712034	9500L	-117.231237878	33.9191932563	25	1491962
2315473E	CONCRETE	1984	COVEY QUAIL LN, E/S, LOT 42	10712034	9500L	-117.231137061	33.9197434835	25	1491962
2315474E	CONCRETE	1984	COVEY QUAIL LN, E/S, COR/O WILLET LN	10712034	9500L	-117.231161576	33.9201828564	25	1491962
2315475E	CONCRETE	1984	WILLET LN, S/S, 160' W/O COVEY QUAIL LN	10712034	9500L	-117.231748476	33.9201463716	25	1491962
2315476E	CONCRETE	1984	WILLET LN, N/S, LOT 63	10712034	9500L	-117.232311718	33.9202227561	25	1491962
2315477E	CONCRETE	1984	WILLET LN, S/S, 160 E/O PHEASANT KNOLL	10712034	9500L	-117.232905070	33.9201400150	25	1491962
2181509E	CONCRETE	1980	S/S SUGAR HILL 350' W/O FLAMING ARROW	10712034	9500L	-117.223395559	33.9201975095	25	1491962
2181510E	CONCRETE	1980	N/S OLD FARM 200' W/O FLAMING ARROW	10712034	9500L	-117.223144852	33.9195848776	25	1491962
2181542E	CONCRETE	1980	S/S OLD FARM 304' W/O FLAMING ARROW	10712034	9500L	-117.223559241	33.9194854205	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2181543E	CONCRETE	1957	END OF SILENT CREEK RD W/O FLAMING ARROW	10712034	9500L	-117.223821637	33.9187266267	30	1491962
2181736E	CONCRETE	1980	N/S SILVER ARROW 443 FT W/O FLAMING ARROW	10712034	9500L	-117.224021605	33.9179931764	25	1491962
2181743E	CONCRETE	1979	S/S SILVERARROW 257' W/O FLAMING ARROW	10712034	9500L	-117.223337127	33.9179226274	25	1491962
2203923E	CONCRETE	1980	SUGAR HILL S/S 580 W/O FLAMING ARROW	10712034	9500L	-117.223962458	33.9201672253	25	1491962
2315465E	CONCRETE	1984	ALESSANDRO BLVD, N/S, 450 W/O COVEY QUAIL LN	10712034	22000L	-117.232698271	33.9173943648	29	1491960
2315466E	CONCRETE	1984	ALESSANDRO BLVD, N/S, 65 W/O COVEY QUAIL LN	10712034	22000L	-117.231288113	33.9173949148	29	1491960
4001931E	CONCRETE	1987	ALESSANDRO BL N/S, 264' W/O PERRIS BLVD	10712034	22000L	-117.227186531	33.9174021110	29	1491960
4293941E	CONCRETE	1996	ALESSANDRO BLVD S/S 382 W/O CL/O COVEY QUAIL LN	10712034	22000L	-117.232507764	33.9172866894	29	1491960
4293942E	CONCRETE	1996	ALESSANDRO BLVD S/S 182 W/O CL/O COVEY QUAIL LN	10712034	22000L	-117.231775699	33.9173099310	29	1491960
4293943E	CONCRETE	1996	ALESSANDRO BLVD S/S 18 E/O COVEY QUAIL LN	10712034	22000L	-117.231072194	33.9172888015	29	1491960
4293944E	CONCRETE	1996	ALESSANDRO BLVD S/S 200 E/O COVEY QUAIL LN	10712034	22000L	-117.230482968	33.9173167361	29	1491960
4293945E	CONCRETE	1996	ALESSANDRO BLVD S/S 415 E/O COVEY QUAIL LN	10712034	22000L	-117.229342743	33.9173131095	29	1491960
4293946E	CONCRETE	1996	ALESSANDRO BLVD S/S 260 W/O GAYE ST	10712034	22000L	-117.228664382	33.9173171210	29	1491960
4293947E	CONCRETE	1996	ALESSANDRO BLVD S/S 60 W/O GAYE ST	10712034	22000L	-117.228065321	33.9173317644	29	1491960
4293948E	CONCRETE	1996	ALESSANDRO BLVD S/S 125 E/O GAYE ST	10712034	22000L	-117.227544147	33.9173153201	29	1491960
4269432E	CONCRETE	1996	ALESSANDRO BL. N/S 445' E/O COVE QUAIL LN.	10712034	9500L	-117.229242867	33.9173802729	25	1491962
4269433E	CONCRETE	1996	ALESSANDRO BL. N/S 662' E/O COVE QUAIL LN.	10712034	9500L	-117.228642289	33.9174014885	25	1491962
4269430E	CONCRETE	1996	ALESSANDRO BL. N/S 200' E/O COVE QUAIL LN.	10712034	9500L	-117.230443593	33.9174103269	25	1491962
4269434E	CONCRETE	1996	ALESSANDRO BL. N/S 325' W/O PERRIS BL.	10712034	9500L	-117.227444427	33.9174049070	25	1491962
4465547E	CONCRETE	2000	ALESSANDRO BL. N/S 215' E/O COVE QUAIL LN.	10712034	22000L	-117.230092758	33.9174072359	26	1491962
4463493E	CONCRETE	2001	PERRIS E/S, 220' S/O C/L ALESSANDRO	10712034	22000L	-117.226205004	33.9168435721	32	1491960
4463494E	CONCRETE	2001	ALESSANDRO S/S, 241' E/O C/L PERRIS BL	10712034	22000L	-117.225637985	33.9173092911	32	1491960
2225931E	CONCRETE	1982	PERRIS BLVD. W/S 420' S/O ALESSANDRO	10712034	22000L	-117.226352095	33.9162226443	50	1491960
4423813E	CONCRETE	2003	PERRIS BLVD, E/S, N/O ALESSANDRO BLVD	10712034	22000L	-117.226227064	33.9187288821	31	1491960
4525557E	CONCRETE	2003	W/S PERRIS BL., 580' N/O BRODIAEA	10712034	22000L	-117.226353442	33.9153458900	32	1491960
4703702E	CONCRETE	2009	PERRIS BL E/S, 645' S/O C/L ALESSANDRO	10712034	22000L	-117.226203875	33.9156016996	32	1491960
4703701E	CONCRETE	2009	PERRIS BL E/S, 480' S/O C/L ALESSANDRO BL	10712034	22000L	-117.226216158	33.9160596023	32	1491960
2286877E	CONCRETE	1984	APPLEBLOSSOM E/S 670 N/O BRODIAEA	10712037	9500L	-117.222394193	33.9154327875	25	1491962
4112654E	CONCRETE	1990	KITCHING E/S, 546' N/O C/L BRODIAEA, MRNO VL	10712037	9500L	-117.217340209	33.9153964369	25	1491962
4062969E	CONCRETE	1989	W/S CYPRESS SANDS, 60' S/O COPPER COVE	10712037	9500L	-117.215097451	33.9153301367	25	1491962
4062972E	CONCRETE	1989	S/S COPPER COVE, 40' W/O PORT ROYAL	10712037	9500L	-117.214350161	33.9154416728	25	1491962
4062975E	CONCRETE	1989	S/S COPPER COVE, 40' W/O MARTINIQUE	10712037	9500L	-117.213542675	33.9154342309	25	1491962
2181502E	CONCRETE	1980	N/S SILENT CREEK 180' W/O FLAMING ARROW	10712037	9500L	-117.222932697	33.9187741254	25	1491962
2181513E	CONCRETE	1980	S/W C/O SUGAR HILL & FLAMING ARROW	10712037	9500L	-117.222449978	33.9202039918	25	1491962
2181541E	CONCRETE	1980	E/S FLAMING ARROW 120' N/O ALESSANDRO	10712037	9500L	-117.222360840	33.9178038038	25	1491962
2181544E	CONCRETE	1980	E/S FLAMING ARROW AT SILENT CREEK	10712037	9500L	-117.222352673	33.9187335253	25	1491962
2181744E	CONCRETE	1979	W/S C/O OLD FARM & FLAMING ARROW	10712037	9500L	-117.222488062	33.9194749261	25	1491962
2203920E	CONCRETE	1980	SUGAR HILL N/S 144' W/O FLAMING ARROW	10712037	9500L	-117.222871830	33.9202593466	25	1491962
2203921E	CONCRETE	1980	SUGAR HILL N/S 150 E/O FLAMING ARROW	10712037	9500L	-117.221908108	33.9202759069	25	1491962
2203922E	CONCRETE	1980	SUGAR HILL S/S 360' E/O FLAMING ARROW	10712037	9500L	-117.221130336	33.9202046935	25	1491962
2203924E	CONCRETE	1980	OLD FARM N/S 75' E/O FLAMING ARROW	10712037	9500L	-117.222132990	33.9195972737	25	1491962
2203925E	CONCRETE	1980	OLD FARM N/S 460' E/O FLAMING ARROW	10712037	9500L	-117.220927321	33.9195839045	25	1491962
2203926E	CONCRETE	1980	OLD FARM S/S 260' E/O FLAMING ARROW	10712037	9500L	-117.221560472	33.9194872625	25	1491962
2203927E	CONCRETE	1980	OLD FARM S/S 680' E/O FLAMING ARROW	10712037	9500L	-117.220171814	33.9195339319	25	1491962
2347551E	CONCRETE	1985	RED MAHOGANY DR, E/S, 410' S/O OLD FARM	10712037	9500L	-117.218338358	33.9184298879	25	1491962
2347552E	CONCRETE	1985	RED MAHOGANY DR, W/S, 230' S/O OLD FARM	10712037	9500L	-117.218435946	33.9189504201	25	1491962
2347553E	CONCRETE	1985	RED MAHOGANY DR, E/S, COR/O OLD FARM	10712037	9500L	-117.218307468	33.9195557109	25	1491962
2347554E	CONCRETE	1985	OLD FARM ST, S/S, 145' W/O RED MAHOGANY	10712037	9500L	-117.218749880	33.9194923191	25	1491962
2347555E	CONCRETE	1985	OLD FARM ST, N/S, COR/O ELMWOOD CT	10712037	9500L	-117.219288381	33.9196005766	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2347556E	CONCRETE	1985	ELMWOOD CT, W/S, 170' S/O OLD FARM ST	10712037	9500L	-117.219346993	33.9192029445	25	1491962
2347557E	CONCRETE	1985	ELMWOOD CT, E/S, 380' S/O OLD FARM ST	10712037	9500L	-117.219204522	33.9186454154	25	1491962
2347558E	CONCRETE	1985	RED MAHOGANY DR, W/S, 45' S/O ORCHID CT	10712037	9500L	-117.218415740	33.9199698921	25	1491962
2347559E	CONCRETE	1985	ORCHID CT, N/S, 120' W/O RED MAHOGANY DR	10712037	9500L	-117.218847436	33.9202969374	25	1491962
2347560E	CONCRETE	1985	ORCHID CT, S/S, 315' W/O RED MAHOGANY DR	10712037	9500L	-117.219537350	33.9202057179	25	1491962
2347561E	CONCRETE	1985	RED MAHOGANY DR, E/S, 125' S/O BAY AVE	10712037	9500L	-117.218268584	33.9204864692	25	1491962
4056016E	CONCRETE	1988	BLACK WALNUT ST. N/S 45' W/O RED BERRY ST.	10712037	9500L	-117.217157624	33.9194795242	25	1491962
4056017E	CONCRETE	1988	RED BERRY ST. E/S 145' N/O BLACK WALNUT ST.	10712037	9500L	-117.216973830	33.9198037166	25	1491962
4056022E	CONCRETE	1988	RED BERRY ST. N/S 305' N/O BLACK WALNUT ST.	10712037	9500L	-117.216967593	33.9202293219	25	1491962
4056014E	CONCRETE	1988	BLACK WALNUT STREET N/S, 364' E/O RED BERRY	10712037	9500L	-117.215893701	33.9194422725	25	1491962
4056015E	CONCRETE	1988	BLACK WALNUT STREET N/S, 163' E/O RED BERRY	10712037	9500L	-117.216528142	33.9194669648	25	1491962
4056018E	CONCRETE	1988	FRUIT TREE STREET S/S, 160' E/O RED BERRY STRE	10712037	9500L	-117.216467176	33.9201439801	25	1491962
4056019E	CONCRETE	1988	FRUIT TREE STREET N/S, 351' E/O RED BERRY STR	10712037	9500L	-117.215820199	33.9202338035	25	1491962
4112655E	CONCRETE	1989	BLACK WALNUT STREET N/S, 130' W/O MANGOW	10712037	9500L	-117.214444284	33.9194539110	25	1491962
4112656E	CONCRETE	1989	BLACK WALNUT N/S, 330' W/O MANGOWOOD DR	10712037	9500L	-117.215132138	33.9194381157	25	1491962
4112657E	CONCRETE	1989	MANGOWOOD DRIVE E/S, 150' N/O BLACK WALN	10712037	9500L	-117.213904468	33.9197273607	25	1491962
4112658E	CONCRETE	1989	MANGOWOOD DRIVE W/S, 50' N/O FRUIT TREE S	10712037	9500L	-117.213998124	33.9203025094	25	1491962
4112659E	CONCRETE	1989	FRUIT TREE STREET N/S, 200' W/O MANGOWOOD	10712037	9500L	-117.214535075	33.9202355720	25	1491962
4112660E	CONCRETE	1989	FRUIT TREE STREET S/S, 390' W/O MANGOWOOD	10712037	9500L	-117.215118603	33.9201474101	25	1491962
2347567E	CONCRETE	1985	KITCHING ST, W/S, 440' S/O BAY AVE	10712037	22000L	-117.217688865	33.9198117510	29	1491960
4304867E	WOOD	1995	CHARA W/S 190' N/O ALESSANDRO C/L	10712037	9500L	-117.213302255	33.9178703146	35	1491962
4653897E	CONCRETE	2006	ALESSANDRO BLVD S/S, 200' W/O KITCHING ST	10712037	22000L	-117.218245509	33.9173612863	32	1491960
4653898E	CONCRETE	2006	ALESSANDRO BLVD S/S, 400' W/O KITCHING ST	10712037	22000L	-117.218907071	33.9173574612	32	1491960
4653899E	CONCRETE	2006	ALESSANDRO BLVD S/S, 225' E/O MORENO ROSE	10712037	22000L	-117.219617509	33.9173068297	32	1491960
4653900E	CONCRETE	2006	ALESSANDRO BLVD S/S, 10' E/O MORENO ROSE P	10712037	22000L	-117.220345540	33.9173518459	32	1491960
4653950E	CONCRETE	2006	ALESSANDRO BLVD S/S, 130' E/O SARAH ST	10712037	22000L	-117.221076802	33.9173301438	32	1491960
4653951E	CONCRETE	2006	ALESSANDRO BLVD S/S, 70' E/O SARAH ST	10712037	22000L	-117.221683701	33.9173439023	32	1491960
4653952E	CONCRETE	2006	ALESSANDRO BLVD S/S, 60' E/O APPLE BLOSSOM	10712037	22000L	-117.222215333	33.9173548965	32	1491960
4653953E	CONCRETE	2006	APPLE BLOSSOM LN E/S, 200' S/O ALESSANDRO B	10712037	22000L	-117.222307105	33.9168511545	32	1491960
4653954E	CONCRETE	2006	APPLE BLOSSOM LN E/S, 370' S/O ALESSANDRO B	10712037	22000L	-117.222354462	33.9163731172	32	1491960
4653955E	CONCRETE	2006	APPLE BLOSSOM LN E/S, 540' S/O ALESSANDRO B	10712037	22000L	-117.222357383	33.9159207852	32	1491960
4725483E	CONCRETE	2010	KITCHING ST W/S, 758' S/O C/L ALESSANDRO BL	10712037	22000L	-117.217460485	33.9153462250	18	1491960
4725485E	CONCRETE	2010	KITCHING ST W/S, 580' S/O C/L ALESSANDRO BL	10712037	22000L	-117.217494186	33.9158063594	18	1491960
4725486E	CONCRETE	2010	KITCHING ST W/S, 390' S/O C/L ALESSANDRO BL	10712037	22000L	-117.217551502	33.9163487552	18	1491960
4725487E	CONCRETE	2010	KITCHING ST E/S, 390' S/O C/L ALESSANDRO BL	10712037	22000L	-117.217402027	33.9163633080	26	1491960
4725488E	CONCRETE	2010	KITCHING ST E/S, 580' S/O C/L ALESSANDRO BL	10712037	22000L	-117.217366512	33.9158352763	26	1491960
4725489E	CONCRETE	2010	KITCHING ST E/S, 230' S/O C/L ALESSANDRO BL	10712037	22000L	-117.217466347	33.9167766061	26	1491960
4725490E	CONCRETE	2010	KITCHING ST E/S, 227' S/O C/L ALESSANDRO BL	10712037	22000L	-117.217629362	33.9167824720	18	1491960
4062978E	CONCRETE	1989	S/S COPPER COVE, 60' W/O SANDPIPER LN.	10712040	9500L	-117.212716066	33.9154440078	25	1491962
4062981E	CONCRETE	1989	S/S COPPER COVE, 60' W/O SAN CRISTOBOL BAY	10712040	9500L	-117.211929915	33.9154636160	25	1491962
4062984E	CONCRETE	1989	S/S COPPER COVE, 60' W/O ST. TROPEZ	10712040	9500L	-117.211067414	33.9154474940	25	1491962
4062987E	CONCRETE	1989	S/S COPPER COVE, 40' W/O MONTEGO BAY DR.	10712040	9500L	-117.210196645	33.9154730747	25	1491962
4062990E	CONCRETE	1989	COPPER COVE LN. S/S, 45' W/O JAMAICA SANDS L	10712040	9500L	-117.209432496	33.9154616964	25	1491962
4062993E	CONCRETE	1989	LASSELLE W/S 45' S/O COPPER COVE LN.	10712040	9500L	-117.208982476	33.9154511167	25	1491962
2344846E	CONCRETE	1987	TIMO STREET N/S, 40' E/O PAPRIKA COURT	10712040	9500L	-117.209492864	33.9192702464	25	1491962
2344847E	CONCRETE	1987	PAPRIKA COURT W/S, 160' N/O TIMO STREET	10712040	9500L	-117.209652725	33.9196234525	25	1491962
2344848E	CONCRETE	1987	PAPRIKA COURT E/S, 340' N/O TIMO STREET	10712040	9500L	-117.209571844	33.9200618481	25	1491962
2344849E	CONCRETE	1987	CHERVIL CT E/S, 190' N/O ALESSANDRO BL	10712040	9500L	-117.211600271	33.9178898684	25	1491962
2351846E	CONCRETE	1987	TIMO STREET N/S, 45' W/O CUMIN STREET	10712040	9500L	-117.210729305	33.9192724299	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2351847E	CONCRETE	1987	CUMIN STREET E/S, 100' N/O TIMO STREET	10712040	9500L	-117.210566050	33.9195205703	25	1491962
2351848E	CONCRETE	1987	CUMIN STREET W/S, 300' N/O TIMO STREET	10712040	9500L	-117.210689766	33.9200057668	25	1491962
2351850E	CONCRETE	1987	CHERVIL COURT E/S, 280' S/O TIMO STREET	10712040	9500L	-117.211616930	33.9184481487	25	1491962
2358701E	CONCRETE	1987	CHERVIL COURT E/S, 345' N/O TIMO STREET	10712040	9500L	-117.211632025	33.9200177674	25	1491962
2358702E	CONCRETE	1987	CHERVIL COURT W/S, 160' N/O TIMO STREET	10712040	9500L	-117.211743212	33.9196412211	25	1491962
2358703E	CONCRETE	1987	S/E COR/O TIMO STREET & CHERVIL COURT	10712040	9500L	-117.211598668	33.9191608445	25	1491962
2358704E	CONCRETE	1987	CHERVIL COURT W/S, 100' S/O TIMO STREET	10712040	9500L	-117.211702856	33.9188410616	25	1491962
4005121E	CONCRETE	1987	CHARA STREET W/S, 390' S/O TIMO STREET	10712040	9500L	-117.212808355	33.9181931317	25	1491962
4005122E	CONCRETE	1987	CHARA STREET E/S, 210' S/O TIMO STREET	10712040	9500L	-117.212678897	33.9185632650	25	1491962
4005123E	CONCRETE	1987	S/W COR/O TIMO & CHARA STREET(S)	10712040	9500L	-117.212805295	33.9191323535	25	1491962
4005124E	CONCRETE	1987	TIMO STREET N/S, 160' E/O CHARA STREET	10712040	9500L	-117.212225892	33.9192675940	25	1491962
4005125E	CONCRETE	1987	CHARA STREET E/S, 215' N/O TIMO STREET	10712040	9500L	-117.212675836	33.9198225056	25	1491962
4005126E	CONCRETE	1987	CHARA STREET W/S, 410' N/O TIMO STREET	10712040	9500L	-117.212843299	33.9203609218	25	1491962
2344845E	CONCRETE	1987	LASSELLE STREET W/S, 155' N/O TIMO STREET	10712040	22000L	-117.208888734	33.9195664299	29	1491960
4435654E	CONCRETE	2004	CUMIN STREET E/S, 153' S/O BAY AVENUE	10712040	9500L	-117.210567506	33.9206265783	26	1491962
4057759E	CONCRETE	1989	S/S LENZEN ST., E/O NASON ST.	10712046	9500L	-117.191103529	33.9181881060	25	1491962
4316633E	CONCRETE	1997	NASON ST S/S 310 E/O LARKMEAD CT.	10712046	22000L	-117.191442548	33.9187426747	29	1491960
4316634E	CONCRETE	1997	NASON ST S/S 55' E/O LARKMEAD CT.	10712046	22000L	-117.191444860	33.9194998205	29	1491960
4212641E	CONCRETE	1992	OLIVER ST. E/S, 497' S/O C/L ALESSANDRO	10712049	22000L	-117.182759525	33.9159196158	29	1491960
4212642E	CONCRETE	1992	OLIVER ST. E/S, 297' S/O C/L ALESSANDRO	10712049	22000L	-117.182746973	33.9165620423	29	1491960
4212643E	CONCRETE	1992	OLIVER E/S, 97' S/O C/L ALESSANDRO	10712049	22000L	-117.182741647	33.9171065586	29	1491960
4212644E	CONCRETE	1992	ALESSANDRO BLVD. S/S, 244' E/O C/L OLIVER ST.	10712049	22000L	-117.181985744	33.9172141674	29	1491960
4212645E	CONCRETE	1992	ALESSANDRO BLVD. S/S, 480' E/O C/L OLIVER ST.	10712049	22000L	-117.181264209	33.9172442728	29	1491960
4114145E	WOOD	1989	NW/COR ALESSANDRO & WALNUT	10712052	22000L	-117.166779444	33.9174254864	40	1491960
4016572E	CONCRETE	1988	N/S BAY AVE., 240' W/O WILMOT ST.	10712055	9500L	-117.160227447	33.9209712609	25	1491962
4016573E	CONCRETE	1988	N/S BAY AVE., 10' W/O CLEMSON CT.	10712055	9500L	-117.162591182	33.9209645985	25	1491962
4016575E	CONCRETE	1988	W/S WILMOT ST., 110' N/O BAY AVE.	10712055	9500L	-117.161106658	33.9212611790	25	1491962
4114144E	WOOD	1989	NW/COR ALESSANDRO & STERLING	10712055	22000L	-117.160042352	33.9174544384	40	1491960
4114146E	WOOD	1989	NW/COR ALESSANDRO & WILMONT	10712055	22000L	-117.161145606	33.9174313335	40	1491960
4058279E	WOOD	1987	ALESSANDRO BLVD N/S, 15' E/O REDLANDS BLVD	10712055	22000L	-117.156501950	33.9174569676	35	1491960
4710679E	CONCRETE	2013	GIFFORD AV S/S, 480' W/O C/L WILMOT ST	10712055	9500L	-117.162633246	33.9191339058	27	1491962
4710680E	CONCRETE	2013	S/E C/O CURTIS ST & GIFFORD AV	10712055	9500L	-117.163145831	33.9191247521	27	1491962
4710681E	CONCRETE	2013	END OF CURTIS ST, 370' S/O C/L GIFFORD AV	10712055	9500L	-117.163207969	33.9181691483	27	1491962
4384627E	CONCRETE	2000	COTTONWOOD AVE N/S 1297' E/O DAY ST.	10732019	22000L	-117.274672642	33.9241698882	32	1491960
4384628E	CONCRETE	2000	COTTONWOOD AVE 1097' E/O DAY ST.	10732019	22000L	-117.275320109	33.9241590119	32	1491960
4384629E	CONCRETE	2000	COTTONWOOD AVE. 907' E/O DAY ST.	10732019	22000L	-117.275900166	33.9241487609	32	1491960
4384630E	CONCRETE	2000	COTTONWOOD AVE. N/S 667' E/O DAY ST.	10732019	22000L	-117.276648452	33.9241481136	32	1491960
4384631E	CONCRETE	2000	COTTONWOOD N/S 467' E/O DAY ST.	10732019	22000L	-117.277367236	33.9241614499	32	1491960
4384632E	CONCRETE	2000	COTTONWOOD AVE N/S 267' E/O DAY ST.	10732019	22000L	-117.277984141	33.9242003483	32	1491960
4508074E	CONCRETE	2003	GLORYOWER ST E/S; 120' N/O BLACK GUM ST	10732019	9500L	-117.272954514	33.9250299057	27	1491962
4508077E	CONCRETE	2003	GLORYOWER ST W/S; 46' N/O COTTONWOOD AV	10732019	9500L	-117.272963952	33.9242857653	27	1491962
4508078E	CONCRETE	2003	COTTONWOOD AVE N/S 75' W/O GLORYOWER ST	10732019	22000L	-117.273207437	33.9242014305	32	1491962
4508079E	CONCRETE	2003	COTTONWOOD AVE N/S; 227' W/O GLORYOWER	10732019	22000L	-117.273738003	33.9241984086	32	1491962
4508080E	CONCRETE	2003	COTTONWOOD AVE N/S; 373 W/O GLORYOWER S	10732019	22000L	-117.274194287	33.9241766064	32	1491962
4508085E	CONCRETE	2003	BLACK GUM ST S/S, 189' W/O GLORYOWER ST	10732019	9500L	-117.273547035	33.9247203282	27	1491962
4508086E	CONCRETE	2003	ARBOR PARK LN W/S; 291 S/O WITCHHAZEL AVE	10732019	9500L	-117.273766610	33.9250760081	27	1491962
2352100E	CONCRETE	1986	BAYWOOD DR, S/S, E/O PAN AM BLVD	10732022	9500L	-117.263766201	33.9249995996	25	1491962
4150367E	CONCRETE	1992	PAN AM BLVD, N/E COR/O BAYWOOD DR	10732022	9500L	-117.264746762	33.9251206356	25	1491962
4151572E	CONCRETE	1990	BAYWOOD DR. S/S, 169' W/O C/L PAN AM, MRNC	10732022	9500L	-117.265675834	33.9250862236	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4151573E	CONCRETE	1990	BAYWOOD DR. N/S, 88' W/O C/L AQUEDUCT WY,	10732022	9500L	-117.263038713	33.9251647808	25	1491962
4318192E	CONCRETE	1998	PAN AM BLVD C/O COTTONWOOD	10732022	9500L	-117.264844443	33.9245207372	26	1491962
4364276E	WOOD	2000	ELSWORTH E/S, S/O COTTONWOOD	10732022	9500L	-117.269942693	33.9236079591	35	1491962
4364277E	WOOD	2000	ELSWORTH E/S, APPX. 850' N/O BAY AVE.	10732022	9500L	-117.269911273	33.9230867987	35	1491962
4364278E	WOOD	2000	ELSWORTH E/S, APPX. 600' N/O BAY AVE.	10732022	9500L	-117.269883685	33.9223775244	35	1491962
4524493E	CONCRETE	2004	COTTONWOOD AVE N/S; 50' W/O ELSWORTH ST	10732022	22000L	-117.270177619	33.9243762281	32	1491962
4508064E	CONCRETE	2003	HAWTHORNE AVE E/S; 66' N/O BLACK GUM ST	10732022	9500L	-117.270455287	33.9249042830	27	1491962
4508060E	CONCRETE	2003	ELSWORTH ST W/S; 195' S/O FRINGE ST	10732022	22000L	-117.270105111	33.9251428817	32	1491962
4508061E	CONCRETE	2003	ELSWORTH ST W/S; 389' S/O FRINGE ST	10732022	22000L	-117.270080991	33.9246136327	32	1491962
4508065E	CONCRETE	2003	BLACK GUM ST S/S, 15' W/O HAWTHORN AVE	10732022	9500L	-117.270677790	33.9247255128	27	1491962
4508066E	CONCRETE	2003	WITCHHAZEL AVE E/S; 53' N/O BLACK GUM ST	10732022	9500L	-117.271255216	33.9248958541	27	1491962
4508072E	CONCRETE	2003	BLACK GUM ST S/S, 111' W/O WITCHHAZEL AVE	10732022	9500L	-117.271627917	33.9247160447	27	1491962
4508073E	CONCRETE	2003	BLACK GUM ST N/S, 120' E/O GLORYOWER ST	10732022	9500L	-117.272478774	33.9248104003	27	1491962
4508081E	CONCRETE	2003	COTTONWOOD AVE N/S 122' E/O GLORYOWER ST	10732022	22000L	-117.272568231	33.9242000189	32	1491962
4508082E	CONCRETE	2003	COTTONWOOD AVE N/S; 286' E/O GLORYOWER S	10732022	22000L	-117.271992742	33.9242177252	32	1491962
4508083E	CONCRETE	2003	COTTONWOOD AVE N/S; 463' E/O GLORYOWER S	10732022	22000L	-117.271372742	33.9242429398	32	1491962
4508084E	CONCRETE	2003	COTTONWOOD AVE N/S; 646' E/O GLORYOWER S	10732022	22000L	-117.270790429	33.9242953090	32	1491962
4676173E	CONCRETE	2007	BAY AVE W/S, 307' S/O PAN-AM BLVD	10732022	9500L	-117.265776446	33.9200133800	27	1491962
4676174E	CONCRETE	2007	PAN-AM BLVD S/S, 50' W/O BAY AVE	10732022	9500L	-117.266720684	33.9202429511	27	1491962
2315604E	CONCRETE	1984	BAY AV, S/S, 40' W/O PLATO DR	10732025	9500L	-117.257941230	33.9215595970	25	1491962
2315606E	CONCRETE	1984	CHAGALL CT, E/S, 120' S/O BAY AV	10732025	9500L	-117.258258980	33.9211364449	25	1491962
2315607E	CONCRETE	1984	CHAGALL CT, W/S, COR/O ARISTOTLE CT	10732025	9500L	-117.258004275	33.9206841235	25	1491962
2315608E	CONCRETE	1984	ARISTOTLE CT, S/S, 100' E/O CHAGALL CT	10732025	9500L	-117.257654815	33.9207753003	25	1491962
2315609E	CONCRETE	1984	ARISTOTLE CT, CUL-DE-SAC, E/O CHAGALL CT	10732025	9500L	-117.257509295	33.9209688488	25	1491962
2315610E	CONCRETE	1984	CHAGALL CT, E/S, 130' N/O DYNASTY CT	10732025	9500L	-117.257499504	33.9202813368	25	1491962
2315611E	CONCRETE	1984	DYNASTY CT, S/S 11' E/O CHAGALL CT	10732025	9500L	-117.257208913	33.9200188203	25	1491962
2315612E	CONCRETE	1984	DYNASTY CT, N/S CUL-DE-SAC, E/O CHAGALL CT	10732025	9500L	-117.256698686	33.9205256450	25	1491962
2315616E	CONCRETE	1985	W/S GUCCIDRV, 140' N/O CASPIAN WY	10732025	9500L	-117.255863775	33.9200315178	25	1491962
2328361E	CONCRETE	1984	BAY AVE S/S 15' W/O NAGAI DR	10732025	9500L	-117.256851851	33.9218668826	25	1491962
2339651E	CONCRETE	1957	END OF DYNASTY CTEAST OF CHAGALL CT	10732025	9500L	-117.256415273	33.9206947507	30	1491962
2339652E	CONCRETE	1957	S/S DYNASTY CT E/O CHAGALL ST	10732025	9500L	-117.256911430	33.9202508640	30	1491962
2339653E	CONCRETE	1957	E/S CHAGALL CT N/O DYNASTY CT	10732025	9500L	-117.257720331	33.9205259868	30	1491962
2339654E	CONCRETE	1957	W/S CHAGALL CT AT ARISTOLE CT	10732025	9500L	-117.258225006	33.9209156105	30	1491962
2339655E	CONCRETE	1957	END OF ARISTOTLE CT EAST OF CHAGALL CT	10732025	9500L	-117.256859853	33.9212103183	30	1491962
2339656E	CONCRETE	1957	ARSITOLE S/S EAST OF CHAGALL CT	10732025	9500L	-117.257134661	33.9210505283	30	1491962
2339657E	CONCRETE	1957	E/S CHAGALL CT N/O ARISTOTLE CT	10732025	9500L	-117.258102004	33.9209436475	30	1491962
2339659E	CONCRETE	1957	S/S BAY AV AT PLATO DR	10732025	9500L	-117.257793053	33.9216236051	30	1491962
4002459E	CONCRETE	1987	BAY AVE S/S, 180' E/O KRISTINA CT	10732025	9500L	-117.259850847	33.9208743233	25	1491962
4002460E	CONCRETE	1987	BAY AVE S/S, 3' W/O RENA CT	10732025	9500L	-117.259153874	33.9209674593	25	1491962
2270656E	CONCRETE	1982	S/S DOME ST 240' E/O VEE ST	10732025	9500L	-117.254373751	33.9213729812	25	1491962
2270662E	CONCRETE	1982	S/S DOME ST 25' S/O CASPIAN WAY	10732025	9500L	-117.253247117	33.9215875495	25	1491962
2270663E	CONCRETE	1982	N/S DOME ST 225' E/O CASPIAN WAY	10732025	9500L	-117.253705919	33.9216072818	25	1491962
2270664E	CONCRETE	1982	BAY AVE 30' S/O VEE ST	10732025	9500L	-117.255293524	33.9210078371	25	1491962
2270665E	CONCRETE	1982	BAY AVE N/S 240' E/O VEE ST	10732025	9500L	-117.254768464	33.9207692244	25	1491962
2270666E	CONCRETE	1982	N/S BAY AVE 30' N/O KARENLYNN DR	10732025	9500L	-117.254044941	33.9206052444	25	1491962
2270667E	CONCRETE	1982	N/S BAY AVE 30' N/O CASPIAN WAY	10732025	9500L	-117.253068969	33.9209648291	25	1491962
2270668E	CONCRETE	1982	E/S CASPIAN WAY 200' S/O BAY AVE	10732025	9500L	-117.253006026	33.9202570822	25	1491962
2301784E	CONCRETE	1984	DUNHILL N/S 370 E/O SWEENEY	10732025	9500L	-117.257004964	33.9227394681	25	1491962
2301785E	CONCRETE	1984	DUNHILL N/S 170 E/O SWEENEY	10732025	9500L	-117.257392045	33.9227570906	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2301786E	CONCRETE	1984	DUNHILL S/S @ SWEENEY DR	10732025	9500L	-117.258085006	33.9227098305	25	1491962
2301787E	CONCRETE	1984	DUNHILL E/S 500 S/O COTTONWOOD	10732025	9500L	-117.258425142	33.9231963660	25	1491962
2301788E	CONCRETE	1984	DUNHILL W/S 365 S/O COTTONWOOD	10732025	9500L	-117.258661242	33.9235538758	25	1491962
2301789E	CONCRETE	1984	DUNHILL E/S 190 S/O COTTONWOOD	10732025	9500L	-117.258580215	33.9239715630	25	1491962
2301790E	CONCRETE	1984	DUNHILL W/S 25 S/O COTTONWOOD	10732025	9500L	-117.258703755	33.9243535366	25	1491962
2301791E	CONCRETE	1984	SWEENEY E/S 110 N/O DUNHILL	10732025	9500L	-117.257800868	33.9229777222	25	1491962
2301792E	CONCRETE	1984	SWEENEY E/S 300 N/O DUNHILL	10732025	9500L	-117.257562889	33.9235844257	25	1491962
2301793E	CONCRETE	1984	SWEENEY N/S 500 N/O DUNHILL	10732025	9500L	-117.257650560	33.9239893532	25	1491962
2326823E	CONCRETE	1987	NAGAI DR E/S 50' N/O BAY AVE	10732025	9500L	-117.256651273	33.9220323245	25	1491962
2328363E	CONCRETE	1984	SWEENEY S/S 190' W/O NAGAI	10732025	9500L	-117.256439879	33.9232759679	25	1491962
2328367E	CONCRETE	1984	SWEENEY DR N/S 340' W/O NAGAI	10732025	9500L	-117.256710868	33.9241182861	25	1491962
2328370E	CONCRETE	1984	ZITEO CT N/S 160' W/O NAGAI DR	10732025	9500L	-117.256556254	33.9233657312	25	1491962
2328371E	CONCRETE	1984	NAGAI DR E/O 110' S/O ZITEO CT	10732025	9500L	-117.256029398	33.9228681301	25	1491962
2328372E	CONCRETE	1984	DUNHILL DR N/S 50' W/O NAGAI DR	10732025	9500L	-117.256568949	33.9226018192	25	1491962
2339658E	CONCRETE	1957	END OF CHAGALL CT N/O BAY AV	10732025	9500L	-117.258535853	33.9213752771	30	1491962
2339660E	CONCRETE	1957	NAGIA DR N/O BAY	10732025	9500L	-117.258299935	33.9218602974	30	1491962
2339661E	CONCRETE	1957	S/S PLATO DRIVE	10732025	9500L	-117.258911671	33.9222423329	30	1491962
2339662E	CONCRETE	1957	PLATO DR N/O BURD CT	10732025	9500L	-117.259384651	33.9226753501	30	1491962
2352098E	CONCRETE	1986	OAK DEL ST, COR/O AQUEDUCT WY	10732025	9500L	-117.261861343	33.9251903311	25	1491962
2352099E	CONCRETE	1986	AQUEDUCT WY, S/E COR/O BAYWOOD DR	10732025	9500L	-117.262781789	33.9252885949	25	1491962
4002457E	CONCRETE	1987	BAY AVE N/S, 45' W/O KRISTINA CT	10732025	9500L	-117.260531832	33.9209746271	25	1491962
4002458E	CONCRETE	1987	KRISTINA CT E/S, 190' N/O BAY AVE	10732025	9500L	-117.260321684	33.9213256269	25	1491962
4002461E	CONCRETE	1987	RENA CT W/S, 160' N/O BAY AVE	10732025	9500L	-117.259399175	33.9213348692	25	1491962
4002462E	CONCRETE	1987	PLATO DR S/S, 146' W/O COPE CT	10732025	9500L	-117.260272497	33.9230888261	25	1491962
4002463E	CONCRETE	1987	COPE CT W/S, 130' S/O PLATO DR	10732025	9500L	-117.260107342	33.9227004868	25	1491962
4002464E	CONCRETE	1987	COPE CT E/S, 330' S/O PLATO DR	10732025	9500L	-117.260233161	33.9224075090	25	1491962
4002465E	CONCRETE	1987	PLATO DR S/S, 45' E/O COPE CT	10732025	9500L	-117.259745106	33.9227975508	25	1491962
4002466E	CONCRETE	1987	BURD CT W/S, 130' S/O PLATO DR	10732025	9500L	-117.259545341	33.9222934391	25	1491962
2224791E	CONCRETE	1982	PATTILYNN DR. W/S 10' S/O CHALLIS CT.	10732025	9500L	-117.254539495	33.9240295825	25	1491962
2269799E	CONCRETE	1982	N/S CHALLIS CT 200' E/O PATTILYNN DR	10732025	9500L	-117.253747871	33.9240936278	25	1491962
2269800E	CONCRETE	1982	E/END CHALLIS CT 500' E/O PATTILYNN DR	10732025	9500L	-117.253074595	33.9240459595	25	1491962
2269801E	CONCRETE	1982	W/S PATTILYNN DR 430' S/O COTTONWOOD	10732025	9500L	-117.254586497	33.9235811361	25	1491962
2269802E	CONCRETE	1982	N/S ROLANDA DR 150' E/S PATTILYNN DR	10732025	9500L	-117.254199472	33.9232871074	25	1491962
2269803E	CONCRETE	1982	N/S ROLANDA DR 310' E/O PATTILYNN DR	10732025	9500L	-117.253638894	33.9233016635	25	1491962
2269804E	CONCRETE	1982	E/END ROLANDA DR 500' E/O PATTILYNN DR	10732025	9500L	-117.253017668	33.9232607720	25	1491962
2270657E	CONCRETE	1982	N/S VEE ST 30' N/O DOME ST	10732025	9500L	-117.254875246	33.9217905599	25	1491962
2270658E	CONCRETE	1982	S/S VEE ST 30' S/O CHIANTE CT	10732025	9500L	-117.254343649	33.9221002595	25	1491962
2270659E	CONCRETE	1982	N/S VEE ST 180' W/O CASPIAN WAY	10732025	9500L	-117.253713444	33.9223548050	25	1491962
2270660E	CONCRETE	1982	N/S VEE ST 30' N/O CASPIAN WAY	10732025	9500L	-117.253106034	33.9225194357	25	1491962
2270661E	CONCRETE	1982	E/S CASPIAN WAY 150' S/O VEE ST	10732025	9500L	-117.252978896	33.9220770505	25	1491962
2270702E	CONCRETE	1982	W/S PATTILYNN DR 180' N/O BAY AVE	10732025	9500L	-117.255706965	33.9220430320	25	1491962
2270703E	CONCRETE	1982	E/S PATTILYNN DR 125' S/O CHIANTE CT	10732025	9500L	-117.255236785	33.9223900319	25	1491962
2270704E	CONCRETE	1982	N/SCHIANTE 150' E/O PATTILYNN DR	10732025	9500L	-117.254578514	33.9225013981	25	1491962
2270705EE	CONCRETE	1982	W/S PATTILYNN ST 25' W/O CHIANTE	10732025	9500L	-117.255029450	33.9227891680	25	1491962
2328365E	CONCRETE	1984	SWEENEY N/W COR/O NAGAI	10732025	9500L	-117.255686055	33.9240860682	25	1491962
2328368E	CONCRETE	1984	NAGAI DR E/S 105' S/O SWEENEY DR	10732025	9500L	-117.255504015	33.9237955311	25	1491962
2328369E	CONCRETE	1984	NAGAI DR W/S 55' N/O ZITEO CT	10732025	9500L	-117.255832165	33.9232493777	25	1491962
2301794E	CONCRETE	1984	COTTONWOOD S/S 260 E/O DUNHILL	10732025	22000L	-117.257653238	33.9244588446	29	1491960
2301795E	CONCRETE	1984	COTTONWOOD S/S 25 E/O DUNHILL	10732025	22000L	-117.258486139	33.9244319322	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2326821E	CONCRETE	1987	COTTONWOOD S/S 120 W/O DUNHILL	10732025	22000L	-117.259003733	33.9244273477	29	1491960
2328366E	CONCRETE	1984	COTTONWOOD S/S 325' W/O NAGAI	10732025	22000L	-117.256706719	33.9244355812	29	1491960
4002033E	CONCRETE	1987	E/S FREDRICK, N/O PARK ENTRANCE	10732025	22000L	-117.261244539	33.9250375554	29	1491960
4229838E	CONCRETE	1993	COTTINWOOD AVE S/S 415' W/O DUNHILL DR	10732025	22000L	-117.259820357	33.9244226545	29	1491960
2328362E	CONCRETE	1984	COTTONWOOD W/E COR/O NAGAI	10732025	22000L	-117.255561215	33.9244281376	29	1491960
2328364E	CONCRETE	1984	COTTONWOOD S/S 150' W/O NAGAI	10732025	22000L	-117.256184355	33.9244396157	29	1491960
4465613E	CONCRETE	2002	COTTONWOOD N/S 200' E/O C/L FREDRICK	10732025	22000L	-117.260552707	33.9245072908	32	1491960
441760E	CONCRETE	2006	FREDRICKI STREET E/S 240' S/O BAY STREET	10732025	22000L	-117.261178997	33.9202906842	31	1491960
4441756E	CONCRETE	2006	FREDRICK STREET E/S 1005' N/O BAY STREET	10732025	22000L	-117.261211564	33.9237175507	31	1491960
4441757E	CONCRETE	2006	FREDRICK E/S 1283' N/O BAY STREET	10732025	22000L	-117.261257175	33.9243140789	31	1491960
4441762E	CONCRETE	2006	FREDRICK STREET E/S 110' N/O BAY STREET	10732025	22000L	-117.261210572	33.9212633791	31	1491960
4441763E	CONCRETE	2006	FREDRICK STREET E/S 300' N/O BAY STREET	10732025	22000L	-117.261219102	33.9217624507	31	1491960
4441764E	CONCRETE	2006	FREDRICK STREET E/S 480' N/O BAY STREET	10732025	22000L	-117.261207374	33.9222619003	31	1491960
4441765E	CONCRETE	2006	FREDRICK STREET E/S 653' N/O BAY STREET	10732025	22000L	-117.261205770	33.9227611519	31	1491960
4441766E	CONCRETE	2006	FREDRICK STREET E/S 878' N/O BAY STREET	10732025	22000L	-117.261211518	33.9233441824	31	1491960
4441767E	CONCRETE	2006	FREDRICK STREET E/S 210' S/O COTTONWOOD AV	10732025	22000L	-117.261211753	33.9239105216	31	1491960
2181765E	CONCRETE	1979	RUNDELL S. END OF CULDESAC	10732028	9500L	-117.249785001	33.9215772831	25	1491962
2181772E	CONCRETE	1979	SLLMAR E/S N/O BAY AVE	10732028	9500L	-117.248522913	33.9213482074	25	1491962
2181773E	CONCRETE	1979	SYLMAR COR/O BAY AVE	10732028	9500L	-117.248694500	33.9209580940	25	1491962
2181774E	CONCRETE	1979	BAY AVE N/S W/O SYLMAR	10732028	9500L	-117.249369881	33.9209767417	25	1491962
2181775E	CONCRETE	1979	BAY AVE N/S W/O SYLMAR	10732028	9500L	-117.249894161	33.9209672823	25	1491962
2207178E	CONCRETE	1980	NEW HAVEN W/S, 300' W/O GOLDEN EAGLE	10732028	9500L	-117.251518755	33.9217030144	25	1491962
2207180	CONCRETE	1980	N/S BAY AV. 200' W/O GOLDEN EAGLE	10732028	9500L	-117.251525920	33.9209888242	35	1491962
2207181E	CONCRETE	1980	COR/O BAY AVE GOLDEN EAGLE W/S	10732028	9500L	-117.250855605	33.9209984888	35	1491962
2207183E	CONCRETE	1980	N/S NEW HAVEN DR 120' W/O GOLDEN EAGLE	10732028	9500L	-117.251138120	33.9216049853	25	1491962
2307352E	CONCRETE	1984	GOLDEN EAGLE E/S 190 S/O BAY AVE	10732028	9500L	-117.250709161	33.9204485341	25	1491962
2307357E	CONCRETE	1984	BELLCRESTCT E/S N/O NEW ENGLAND DR	10732028	9500L	-117.251771797	33.9203041794	25	1491962
2309145E	CONCRETE	1985	BAY AVE S/S	10732028	9500L	-117.247984976	33.9208587927	25	1491962
2309384E	CONCRETE	1985	BAYAVE S/S	10732028	9500L	-117.246632237	33.9208157281	25	1491962
2309385E	CONCRETE	1985	ROCKCREST DR E/S	10732028	9500L	-117.246331450	33.9203922999	25	1491962
2315123E	CONCRETE	1985	BAY AV, S/S 150' E/O SYLMAR DR	10732028	9500L	-117.249098238	33.9208693498	25	1491962
2315124E	CONCRETE	1985	SYLMAR DR, E/S 160' S/O BAY AV	10732028	9500L	-117.248509756	33.9204848481	25	1491962
2315125E	CONCRETE	1985	SYLMAR DR, S/S 300' S/O BAY	10732028	9500L	-117.248691125	33.9201693578	25	1491962
2315126E	CONCRETE	1985	SYLMAR DR, N/S LOT 9	10732028	9500L	-117.249231526	33.9202422332	25	1491962
2354801E	CONCRETE	1986	BAY AVE, N/S, 137' W/O ROCKCREST DR	10732028	9500L	-117.246831865	33.9209088714	25	1491962
2354802E	CONCRETE	1986	ROCKCREST DR, E/S, 160' N/O BAY AVE	10732028	9500L	-117.246357119	33.9212992587	25	1491962
2354805E	CONCRETE	1986	SCHAYLEEN CT, W/S, 160' N/O BAY AVE	10732028	9500L	-117.247583251	33.9211954706	25	1491962
2293532E	CONCRETE	1984	SUNBRIGHT DR E/S 200 N/O BAY AVE---SUNNYM	10732028	9500L	-117.245353009	33.9214822057	25	1491962
2293549E	CONCRETE	1984	BAY AVE S/S 30 W/O SUNRAY CT---SUNNYMEAD	10732028	9500L	-117.244410066	33.9208992943	25	1491962
2293550E	CONCRETE	1984	BAY AVE N/S 30 W/O SUNBRIGHT DR---SUNNYME	10732028	9500L	-117.245554431	33.9209612442	25	1491962
2298957E	CONCRETE	1984	SUNRAY CT E/S 140 N/O BAY AVE.---SUNNYMEAD	10732028	9500L	-117.244366007	33.9212855825	25	1491962
2307361E	CONCRETE	1984	BAYS/S 400' W/O HEACOCK	10732028	9500L	-117.244943437	33.9208896609	25	1491962
2181751E	CONCRETE	1980	E/S NEW HAVEN 210' S/O COTTONWOOD	10732028	9500L	-117.250680809	33.9240812901	30	1491962
2181752E	CONCRETE	1980	N/S NEW HAVEN 280' S/O COTTONWOOD	10732028	9500L	-117.251098712	33.9240739912	30	1491962
2181753E	CONCRETE	1980	N/S NEW HAVEN 440' W/O COTTONWOOD	10732028	9500L	-117.251726453	33.9240515221	30	1491962
2181755E	CONCRETE	1980	E/S NEW HAVEN 680' S/O COTTONWOOD	10732028	9500L	-117.251696734	33.9235428535	30	1491962
2181757E	CONCRETE	1980	GRAHAM 540' S/O COTTONWOOD	10732028	9500L	-117.251797754	33.9229457353	30	1491962
2181759E	CONCRETE	1980	GRAHAM 780' S/O COTTONWOOD	10732028	9500L	-117.251642331	33.9224593244	30	1491962
2181760E	CONCRETE	1980	RUNDELL W/S S/O COTTONWOOD	10732028	9500L	-117.249860779	33.9239477691	30	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2181761E	CONCRETE	1979	RUNDELL E/S S/O COTTONWOOD	10732028	9500L	-117.249706577	33.9235492572	25	1491962
2181762E	CONCRETE	1979	RUNDELL E/S S/O COTTONWOOD	10732028	9500L	-117.249731721	33.9231124601	25	1491962
2181763E	CONCRETE	1979	RUNDELL W/S C/O MC BRIDE	10732028	9500L	-117.249852930	33.9225596359	25	1491962
2181764E	CONCRETE	1979	RUNDELL E/S S/O MC BRIDE	10732028	9500L	-117.249692692	33.9220580905	25	1491962
2181766E	CONCRETE	1979	MCBRIDE N/S E/O RUNDELL	10732028	9500L	-117.249293192	33.9225573174	25	1491962
2181767E	CONCRETE	1979	SLYMAR N/S END OF ST	10732028	9500L	-117.248875636	33.9237411378	25	1491962
2181768E	CONCRETE	1979	SYMAR E/S N/O BETTS PL	10732028	9500L	-117.248777950	33.9233993436	25	1491962
2181769E	CONCRETE	1979	SYLMAR DR W/S, C/O BETTS PL	10732028	9500L	-117.248934973	33.9231113880	25	1491962
2181770E	CONCRETE	1979	SYLMAR E/S C/O MC BRIDE	10732028	9500L	-117.248793421	33.9225032763	25	1491962
2181771E	CONCRETE	1979	SYLMAS W/S W/O BAY AVE	10732028	9500L	-117.248662950	33.9218324908	25	1491962
2182011E	CONCRETE	1979	SUNFLOWER 13425	10732028	9500L	-117.251886736	33.9253489690	25	1491962
2182012E	CONCRETE	1979	COR/O SUNFLOWER CT & SUNCREST.	10732028	9500L	-117.251871736	33.9251094861	30	1491962
2182014E	CONCRETE	1979	SUNCREST AVE E/O SUN SWEEP CT	10732028	9500L	-117.250798072	33.9250792581	30	1491962
2203940E	CONCRETE	1980	FIELDCREST CT W/S 135' W/O SUNCREST	10732028	9500L	-117.250282244	33.9251551109	25	1491962
2203941E	CONCRETE	1980	FIELDCREST CT W/S APRX 150' N/O SUNCREST	10732028	9500L	-117.249879546	33.9254302985	25	1491962
2203942E	CONCRETE	1980	SUNCREST CT N/S 180' W/O FESTIVAL WAY	10732028	9500L	-117.249237700	33.9251486879	25	1491962
2203943E	CONCRETE	1980	S/E C/O LARKHAVE N	10732028	9500L	-117.248638593	33.9251564511	25	1491962
2203944E	CONCRETE	1980	SUNCREST CT S/S 160' E/O FESTIVAL	10732028	9500L	-117.248086394	33.9250676087	25	1491962
2207173E	CONCRETE	1957	GOLDEN EAGLE CT. 580' N/O NEW HAVEN	10732028	9500L	-117.250775111	33.9233066712	29	1491962
2207175E	CONCRETE	1980	W/S--N END OF NEW HAVEN DR W/O GOLDEN EA	10732028	9500L	-117.251749947	33.9218360880	25	1491962
2207184E	CONCRETE	1957	E/S GOLDEN EAGLE AND NEW HAVEN	10732028	9500L	-117.250698467	33.9216008009	29	1491962
2207185E	CONCRETE	1957	W/S GOLDEN EAGLE 200' N/O NEW HAVEN	10732028	9500L	-117.250847517	33.9222527739	29	1491962
2207186E	CONCRETE	1980	E/S GOLDEN EAGLE 400' N/O NEW HAVEN	10732028	9500L	-117.250722938	33.9228048083	25	1491962
2225671E	CONCRETE	1981	SUNCREST AV. N/S 220' W/O RUNNING DEER	10732028	9500L	-117.246545639	33.9251570729	25	1491962
2225672E	CONCRETE	1981	SUNCREST AV. N/S 50' W/O REINDEER	10732028	9500L	-117.246811712	33.9251558037	25	1491962
2225673E	CONCRETE	1981	SUNCREST AV. N/S 20' W/O BEAVER RUN DR.	10732028	9500L	-117.247393271	33.9251506484	25	1491962
2225674E	CONCRETE	1981	REINDEER ST. E/S 170' N/O SUNCREST	10732028	9500L	-117.246710292	33.9255651078	25	1491962
2225903E	CONCRETE	1981	SUNCREST AVE N/S 100'W/O SUNSWEEP CT	10732028	9500L	-117.251167378	33.9251548553	25	1491962
2354803E	CONCRETE	1986	ROCKCREST DR, W/S, 345' N/O BAY AVE	10732028	9500L	-117.246459189	33.9218403454	25	1491962
2354806E	CONCRETE	1986	SCHAYLEEN CT, E/S, 345' N/O BAY AVE	10732028	9500L	-117.247493079	33.9216582295	25	1491962
2354807E	CONCRETE	1986	SCHAYLEEN CT, W/S, 525' N/O BAY AVE	10732028	9500L	-117.247571765	33.9221212783	25	1491962
3000432E	CONCRETE	1983	BETTS PL S/S 285 W/O ROCKHURST	10732028	9500L	-117.247183650	33.9231259493	30	1491962
3000433E	CONCRETE	1983	BETTS N/S 540 W/O ROCKHURST	10732028	9500L	-117.247926427	33.9232113577	30	1491962
3000436E	CONCRETE	1983	NANWOOD N/S 200 W/O ROCKHURST	10732028	9500L	-117.247164152	33.9240631545	30	1491962
3000437E	CONCRETE	1983	NANWOOD DR S/S 480 W/O ROCKHURST	10732028	9500L	-117.247704328	33.9239605443	30	1491962
2225657E	CONCRETE	1981	SUN CREST AV. S/S 190' E/O RUNNING DEER	10732028	9500L	-117.244951829	33.9250480126	25	1491962
2225658E	CONCRETE	1981	END/OF SUNCREST AV. 370' E/O RUNNING DEER	10732028	9500L	-117.244309798	33.9251304830	25	1491962
2225659E	CONCRETE	1981	RUNNING DEER E/S 60' N/O SUNCREST	10732028	9500L	-117.245540586	33.9252142220	25	1491962
2245849E	CONCRETE	1984	SUNBRIGHT DR W/S 380 N/O BAY AVE---SUNNYM	10732028	9500L	-117.245491513	33.9220131918	25	1491962
2245850E	CONCRETE	1984	SUNBRIGHT CT E/S 570 N/O BAY AVE---SUNNYM	10732028	9500L	-117.245455313	33.9225344594	25	1491962
2289300E	CONCRETE	1984	SUNRAY CT W/S 340 N/O BAY AVE---SUNNYMEAD	10732028	9500L	-117.244491718	33.9217239320	25	1491962
2292490E	CONCRETE	1984	SUNRAY AVE E/S 500 N/O BAY AVE---SUNNYMEA	10732028	9500L	-117.244386119	33.9223013152	25	1491962
2354804E	CONCRETE	1986	ROCKCREST DR, E/S, 530' N/O BAY AVE	10732028	9500L	-117.246353453	33.9223071298	25	1491962
3000246E	CONCRETE	1983	HARWOOD DR E/S 70 N/O AMBERLY DR	10732028	9500L	-117.243112381	33.9252871328	30	1491962
3000431E	CONCRETE	1983	ROCKHURST DR W/S 20 S/O BETTS	10732028	9500L	-117.246502236	33.9230851797	30	1491962
3000434E	CONCRETE	1983	ROCKHURST DR E/S 100 N/O OBETTS	10732028	9500L	-117.246282064	33.9234083224	30	1491962
3000435E	CONCRETE	1983	ROCHHURST DR E/S 20 S/O NANWOOD	10732028	9500L	-117.246336077	33.9239887312	30	1491962
2207182E	CONCRETE	1980	N/S BAY AV 100' N/E OF GOLDEN EAGLE CT,MOR	10732028	9500L	-117.250336718	33.9209730151	35	1491962
2270671E	CONCRETE	1982	W/S GRAHAM ST 145' S/O BAY AVE	10732028	22000L	-117.252517248	33.9205212203	25	1491960



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4151629E	CONCRETE	1990	E/S HEACOCK, 286' N/O BAY	10732028	22000L	-117.243624079	33.9215660020	29	1491960
4151631E	CONCRETE	1990	E/S HEACOCK, 132' S/O BAY	10732028	22000L	-117.243609839	33.9205567377	29	1491960
2173048E	WOOD	1983	COTTONWOOD S/S 194' E/O RUNDELL	10732028	22000L	-117.249224302	33.9244381341	50	1491960
2173049E	WOOD	1983	COTTONWOOD S/S 386' E/O RUNDELL	10732028	22000L	-117.248526098	33.9244480426	50	1491960
2181756E	CONCRETE	1980	E/S NEW HAVEN 800' S/E OF COTTENWOOD	10732028	22000L	-117.252414045	33.9231936805	30	1491960
2181758E	CONCRETE	1980	E/S NEW HAVEN 920' S/E OF COTTONWOOD	10732028	22000L	-117.252395533	33.9224900859	30	1491960
2203945E	CONCRETE	1980	COTTONWOOD N/S 160' E/O FESTIVAL WAY	10732028	22000L	-117.248082109	33.9251770963	25	1491960
2203946E	CONCRETE	1980	COTTONWOOD AVE W/S 60' W/O FESTIVAL WAY	10732028	22000L	-117.248786912	33.9245400109	25	1491960
2203947E	CONCRETE	1980	COTTONAV. N/S 257' W/O FESTIVAL WAY	10732028	22000L	-117.249469830	33.9245468554	25	1491960
2203948E	CONCRETE	1980	N/W C/O FESTIVAL WAY AND COTTONWOOD AVE	10732028	22000L	-117.248541005	33.9245558711	25	1491960
2225666E	CONCRETE	1981	COTTONWOOD AV. N/S 65' W/O BEAVER RUN DR	10732028	22000L	-117.247461612	33.9245338430	30	1491960
2225667E	CONCRETE	1981	COTTONWOOD AV. N/S 275' W/O BEAVER RUN	10732028	22000L	-117.246737451	33.9245433781	30	1491960
2225651E	CONCRETE	1981	COTTONWOOD AV. N/S E/O RUNNING DEER	10732028	22000L	-117.245195073	33.9245617347	30	1491960
2225653E	CONCRETE	1981	COTTONWOOD AV. N/S 70' W/O HEACOCK	10732028	22000L	-117.243758924	33.9246174875	30	1491960
2225654E	CONCRETE	1981	HEACOCK AV. W/S 263' N/O COTTONWOOD	10732028	22000L	-117.243782838	33.9250208910	30	1491960
2225668E	CONCRETE	1981	COTTONWOOD AV. N/S 70' W/O BEAVER RUN DR	10732028	22000L	-117.247697237	33.9245428052	30	1491960
2298958E	CONCRETE	1984	HEACOCK ST W/S 360 N/O BAY AVE---SUNNYMEAD	10732028	22000L	-117.243753270	33.9217778875	29	1491960
4003585E	CONCRETE	1988	HEACOCK ST W/S, 655' S/O COTTONWOOD AVE	10732028	22000L	-117.243754072	33.9227726818	29	1491960
4003586E	CONCRETE	1988	HEACOCK ST W/S, 460' S/O COTTONWOOD	10732028	22000L	-117.243752395	33.9232791747	29	1491960
4003587E	CONCRETE	1988	HEACOCK ST W/S, 260' S/O COTTONWOOD AVE	10732028	22000L	-117.243763884	33.9238517999	29	1491960
4003588E	CONCRETE	1988	COTTONWOOD AVE S/S, 190' W/O HEACOCK ST	10732028	22000L	-117.244099708	33.9244797605	29	1491960
4003589E	CONCRETE	1988	COTTONWOOD AVE S/S, 390' W/O HEACOCK ST	10732028	22000L	-117.244870784	33.9244543927	29	1491960
4003590E	CONCRETE	1988	COTTONWOOD AVE S/S, 590' W/O HEACOCK ST	10732028	22000L	-117.245714260	33.9244559283	29	1491960
4299288E	CONCRETE	1996	BAY AV NS/ 180' E/O GRAHAM	10732028	9500L	-117.251972014	33.9209660729	23	1491960
4299123E	CONCRETE	1997	COTTONWOOD AV N/S 215' E/O RUNNING DEER	10732028	22000L	-117.244357936	33.9245766384	29	1491960
4675401E	CONCRETE	2007	HEACOCK ST E/S, 41' S/O ENTRANCE N/O BLDG. 4	10732028	22000L	-117.243635936	33.9240044444	32	1491960
4675402E	CONCRETE	2007	HEACOCK ST E/S, 130' N/O ENTRANCE S/O BLDG.	10732028	22000L	-117.243629904	33.9235902144	32	1491960
4675403E	CONCRETE	2007	HEACOCK ST E/S, 55' S/O ENTRANCE S/O BLDG. 10	10732028	22000L	-117.243624984	33.9230264440	32	1491960
4316975E	CONCRETE	2002	E/S GRAHAM 260' N/O BAY AVE	10732028	22000L	-117.252392541	33.9216851507	31	1491960
2225669E	CONCRETE	1981	RUNNING DEER ST. W/S 70' S/O SUNCREST AV.	10732028	9500L	-117.245648094	33.9248776250	25	1491962
2181754E	CONCRETE	1980	GRAHAM 300' S/O COTTONWOOD	10732028	22000L	-117.252411539	33.9236692435	30	1491960
2106201E	CONCRETE	1977	BAY AVE N/S 290 E/O RAMSDELL	10732031	5800L	-117.239611208	33.9210156042	25	1491962
2106202E	CONCRETE	1977	BAY AVE N/S 80 E/O RAMSDELL	10732031	5800L	-117.240270110	33.9210058266	25	1491962
2106203E	CONCRETE	1977	RAMSDELL DR W/S W/END OF BAY AVE	10732031	5800L	-117.240717214	33.9206923523	25	1491962
2106204E	CONCRETE	1977	RAMSDELL DR E/S 120 N/O BAY AVE	10732031	5800L	-117.240331034	33.9213279731	25	1491962
2106205E	CONCRETE	1977	RAMSDELL W/S 200 N/O BAY AVE	10732031	5800L	-117.240360212	33.9217263741	25	1491962
2106206E	CONCRETE	1977	TIERRA DE ORO S/S 140 E/O RAMSDELL	10732031	5800L	-117.239763135	33.9216093458	25	1491962
2135457E	CONCRETE	1977	TIERRA DE ORO N/S 550' W/O STEVEN	10732031	5800L	-117.238083493	33.9217136269	25	1491962
2135458E	CONCRETE	1977	BAY AVE N/S 150' W/O STEVEN WAY	10732031	5800L	-117.238389663	33.9209857912	25	1491962
2135459E	CONCRETE	1977	BAY AVE N/S 500 W/O STEVEN WAY	10732031	5800L	-117.237846411	33.9210247454	25	1491962
2135461E	CONCRETE	1977	TIERRA DE ORO N/S 750 W/O STEVE WAY	10732031	5800L	-117.239132284	33.9217158526	25	1491962
2135462E	CONCRETE	1977	TIERRA DE ORO S/S 750 W/O STEVE WAY	10732031	5800L	-117.238612296	33.9216225800	25	1491962
2135463E	CONCRETE	1977	BAY AVE N/S 750 W/O STEVE WAY	10732031	5800L	-117.239058625	33.9209907592	25	1491962
1944041E	CONCRETE	1971	DILBECK DR W/S 165' N/O COTTONWOOD AVE	10732031	5800L	-117.239065864	33.9249560009	25	1491962
1944042E	CONCRETE	1971	DILBECK DR W/S AT SYKES DR	10732031	5800L	-117.238869892	33.9255874068	25	1491962
1944043E	CONCRETE	1971	SYKES DR. S/S 115' E/O DILBECK.	10732031	5800L	-117.238438941	33.9254453313	25	1491962
1991451E	CONCRETE	1972	E/S BION DR, APRX 50' S/O COTTONWOOD	10732031	5800L	-117.237525520	33.9243889403	25	1491962
1991452E	CONCRETE	1972	E/S DOIN ST 175 S/O COTTONWOOD AVE	10732031	5800L	-117.237563346	33.9239462160	25	1491962
1991453E	CONCRETE	1972	N/S DOLAN DR 120' W/O DION ST	10732031	5800L	-117.238344808	33.9239647719	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
1991454E	CONCRETE	1972	S/S DOLAN DR 300 W/O DOJIN ST	10732031	5800L	-117.238729059	33.9238380727	25	1491962
1991455E	CONCRETE	1972	N/S DOLAN DR AT RAMSDELL DR	10732031	5800L	-117.239411572	33.9238519181	25	1491962
1991456E	CONCRETE	1972	E/S RAMSDELL DR 100' S/O DOLAN DR	10732031	5800L	-117.239424521	33.9235412911	25	1491962
1991457E	CONCRETE	1972	W/S RAMSDELL DR AT DORMAN DR	10732031	5800L	-117.239752326	33.9230907688	25	1491962
1991458E	CONCRETE	1972	S/S DORMAN DR 150' E/O RAMSDELL DR	10732031	5800L	-117.239220779	33.9230180287	25	1491962
1991459E	CONCRETE	1972	N/S DORNER DR 330' E/O RAMSDELL DR	10732031	5800L	-117.238674723	33.9231185263	25	1491962
1991460E	CONCRETE	1972	S/S DORNER DR 510' E/O RAMSDELL DR	10732031	5800L	-117.237968446	33.9230589303	25	1491962
1991461E	CONCRETE	1972	N/S DORNER DR 690 E/O RAMSDELL DR	10732031	5800L	-117.237394974	33.9231327114	25	1491962
2013900E	CONCRETE	1975	S/S DORNER DR 560' W/O INDIAN	10732031	5800L	-117.236726299	33.9230419436	25	1491962
2106207E	CONCRETE	1977	E/S RAMSDELL 110' N/O TIERRA DEL ORO	10732031	5800L	-117.239988930	33.9221573144	25	1491962
2106208E	CONCRETE	1977	RAMSDELL DR W/S S/END OF VIA DE SOL	10732031	5800L	-117.239976732	33.9225338908	25	1491962
2106209E	CONCRETE	1977	S/S VIA DEL SOL 135' E/O RAMSDELL DR	10732031	5800L	-117.239526451	33.9223214335	25	1491962
2135455E	CONCRETE	1977	S/S VIA DEL 700' STSVSN WY	10732031	5800L	-117.238196700	33.9224313763	25	1491962
2135456E	CONCRETE	1977	VIA DEL SOL N/S 550 W/O STEVEN WAY	10732031	5800L	-117.237698815	33.9224404859	25	1491962
2135460E	CONCRETE	1977	VIA DEL SOL N/S 800 W/O STEVE WAY	10732031	5800L	-117.238673603	33.9224134781	25	1491962
2181649E	CONCRETE	1978	VIA DEL SOL W/S, 300' W/O DAHL DRIVE	10732031	5800L	-117.236731340	33.9223481755	25	1491962
2181650E	CONCRETE	1978	VIA DEL SOL S/S 450 W/O STEVEN WAY	10732031	5800L	-117.237303288	33.9223509016	25	1491962
2013890E	CONCRETE	1975	N/W COR/O DORNER DRIVE & INDIAN STREET	10732031	5800L	-117.234969699	33.9231312753	25	1491962
2013899E	CONCRETE	1975	DORNER DRIVE N/S, 380' W/O INDIAN STREET	10732031	5800L	-117.236188649	33.9231398306	25	1491962
2169807E	CONCRETE	1978	BAY AVE W/O STEVEN WAY	10732031	9500L	-117.236647856	33.9210133327	35	1491962
2169808E	CONCRETE	1978	BAY AVE 400 W/O STEVEN WY	10732031	9500L	-117.237327997	33.9209969070	35	1491962
2169809E	CONCRETE	1957	S/S TIERRA DEL SOL W/O DAHL DR	10732031	9500L	-117.237481766	33.9216047873	30	1491962
2169810E	CONCRETE	1978	TIERRA DEL ORE S/S W/O STEVEN WAY	10732031	9500L	-117.236959197	33.9216186362	35	1491962
4060660E	CONCRETE	1988	FAIRFIELD DR 35 S/O BAY AVE	10732031	9500L	-117.237899523	33.9209058107	25	1491962
4212754E	CONCRETE	1992	BAY ST S/S 600' W/O INDIAN	10732031	9500L	-117.236884386	33.9209318505	25	1491962
2169811E	CONCRETE	1978	TIERRA DEL ORO S/S W/O STEVEN WAY	10732031	9500L	-117.236390638	33.9216258470	25	1491962
2181644E	CONCRETE	1978	BAY AVENUE W/S, 20' W/O DAHL DRIVE	10732031	9500L	-117.235681283	33.9210106553	25	1491962
2181645E	CONCRETE	1978	S/W COR/O TIERRA DE ORO & DAHL DRIVE	10732031	9500L	-117.235733152	33.9216094113	25	1491962
2315451E	CONCRETE	1984	PHEASANT KNOLL LN, W/S, 55 S/O BAY AVE	10732031	9500L	-117.233548001	33.9209031456	25	1491962
2352435E	CONCRETE	1987	VELLANTO WY, 158' N/O BAY AVE	10732031	9500L	-117.234429849	33.9213865663	25	1491962
2352437E	CONCRETE	1987	ORMISTA DR, S/S,160' E/O VELLANTO WY	10732031	9500L	-117.233867212	33.9216254201	25	1491962
2352438E	CONCRETE	1987	ORMISTA DR, N/S, 360' E/O VELLANTO WY	10732031	9500L	-117.233123889	33.9217146059	25	1491962
4212753E	CONCRETE	1992	BAY ST S/S 300' W/O INDIAN	10732031	9500L	-117.235913422	33.9209325358	25	1491962
1944044E	CONCRETE	1971	SYKES DR N/S 275' E/O DILBECK DR	10732031	9500L	-117.237907578	33.9254966722	25	1491962
2289107E	CONCRETE	1983	ONEDIA E/S COR/O SIKES	10732031	9500L	-117.236554439	33.9255129584	30	1491962
2289109E	CONCRETE	1983	SIKES DR S/S 68 W/O ONEDIA	10732031	9500L	-117.236854727	33.9254245127	30	1491962
2289110E	CONCRETE	1983	ONEDIA S/S145 S/O SIKES	10732031	9500L	-117.236543074	33.9250188203	30	1491962
2293612E	CONCRETE	1983	AMBERLY S/S AT CAVENDISH	10732031	9500L	-117.240250932	33.9249956750	30	1491962
2293613E	CONCRETE	1983	AMBERLY S/S 130 W/O CAVENDISH	10732031	9500L	-117.240658222	33.9249904056	30	1491962
2293614E	CONCRETE	1983	AMBERLY N/S 320 W/O CAVENDISH	10732031	9500L	-117.241339082	33.9250777456	30	1491962
2293615E	CONCRETE	1983	AMBERLY S/S 125 E/O CHESSHIRE	10732031	9500L	-117.242140136	33.9250133645	30	1491962
2293616E	CONCRETE	1983	ROTHBURY N/S 130 W/O CAVENDISH	10732031	9500L	-117.240464737	33.9256829508	30	1491962
2293617E	CONCRETE	1983	ROTHBURY S/S 285 W/O CAVENDISH	10732031	9500L	-117.240970390	33.9256302863	30	1491962
2293618E	CONCRETE	1983	ROTHBURY N/S 480 W/O CAVENDISH	10732031	9500L	-117.241669014	33.9256130726	30	1491962
2293619E	CONCRETE	1983	CAVENDISH E/S AT ROTHBURY	10732031	9500L	-117.240009155	33.9255293767	30	1491962
3000244E	CONCRETE	1983	AMBERLY DR N/S 400 E/O HEACOCK	10732031	9500L	-117.242541673	33.9250900446	25	1491962
3000247E	CONCRETE	1983	ROTHBURY DR S/S 200 E/O HARWOOD DR	10732031	9500L	-117.242519525	33.9256129999	30	1491962
2013891E	CONCRETE	1975	DORNER DRIVE W/S, 200' W/O INDIAN STREET	10732031	9500L	-117.235549954	33.9230178710	25	1491962
2181646E	CONCRETE	1978	STEVEN WAY W/S, 80' S/O VIA DEL SOL	10732031	9500L	-117.235822305	33.9221958515	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2181647E	CONCRETE	1978	N/W COR/O STEVEN WAY & VIA DEL SOL	10732031	9500L	-117.235737206	33.9224363929	25	1491962
2181648E	CONCRETE	1978	VIA DEL SOL S/S, 120' W/O STEVEN WAY	10732031	9500L	-117.236117931	33.9223469401	25	1491962
2289106E	CONCRETE	1983	ONEDIA STREET N/S, 560' W/O INDIAN AVENUE	10732031	9500L	-117.235966420	33.9251285413	25	1491962
2342059E	CONCRETE	1983	ONEDIA E/S 212' W/O INDIAN	10732031	9500L	-117.235555144	33.9257406432	25	1491962
2342061E	CONCRETE	1983	ONEDIA /S 431 W/O INDIAN	10732031	9500L	-117.235555188	33.9253320615	25	1491962
2351966E	CONCRETE	1986	VELLANTO WAY W/S, 475' N/O ORMISTA DRIVE	10732031	9500L	-117.234464923	33.9229781840	25	1491962
2352436E	CONCRETE	1987	N/E COR/O ORMISTA DRIVE & VELLANTO WAY	10732031	9500L	-117.234337769	33.9217255733	25	1491962
2352447E	CONCRETE	1985	QUALTON COURT N/S, 690' W/O SEARSON DRIVE	10732031	9500L	-117.233428536	33.9224870824	25	1491962
2352448E	CONCRETE	1987	VELLANTO WAY E/S, 270' N/O ORMISTA DRIVE	10732031	9500L	-117.234319202	33.9223910705	25	1491962
2352449E	CONCRETE	1987	VELLANTO WAY E/S, 650' N/O ORMISTA DRIVE	10732031	9500L	-117.234354649	33.9234446716	25	1491962
2352450E	CONCRETE	1987	VELLANTO WAY W/S, AT CL/O VELLANTO AVENUE	10732031	9500L	-117.234451370	33.9240322485	25	1491962
2352601E	CONCRETE	1985	MANTEE DRIVE S/S, 700' W/O SEARSON DRIVE	10732031	9500L	-117.233522497	33.9231813334	25	1491962
2352610E	CONCRETE	1985	VELLANTO AVENUE N/S, 705' W/O SEARSON DRIVE	10732031	9500L	-117.233482925	33.9241024601	25	1491962
2352611E	CONCRETE	1987	VELLANTO STREET N/S, 130' E/O VELLANTO WAY	10732031	9500L	-117.234040076	33.9241043604	25	1491962
2150220E	CONCRETE	1978	INDIAN STREET W/S, 361' N/O BAY AVENUE	10732031	22000L	-117.234970382	33.9211554408	50	1491960
2352433E	CONCRETE	1957	N/W C/O VELLANTO WY & BAY AVE	10732031	22000L	-117.234435318	33.9210244557	30	1491960
1944037E	CONCRETE	1971	COTTONWOOD AVE N/S 100' E/O BION DR	10732031	22000L	-117.237245502	33.9245658713	25	1491960
1944038E	CONCRETE	1971	COTTONWOOD AVE N/S 169' W/O BION DR	10732031	22000L	-117.238138685	33.9245830120	25	1491960
1944039E	CONCRETE	1971	COTTONWOOD AVE N/S 69' E/O DILBECK DR	10732031	22000L	-117.238902461	33.9245924115	25	1491960
1944040E	CONCRETE	1971	COTTONWOOD AVE E/O HEACOCK	10732031	22000L	-117.239203497	33.9245942507	25	1491960
2289111E	CONCRETE	1983	COTTONWOOD N/S 465 W/O INDIAN	10732031	22000L	-117.236451727	33.9245691907	30	1491960
2293610E	CONCRETE	1983	COTTONWOOD N/S 750 E/O CHESHIRE	10732031	22000L	-117.240059362	33.9245830168	30	1491960
2293611E	CONCRETE	1983	COTTONWOOD N/S 365 E/O CHESHIRE	10732031	22000L	-117.241344060	33.9245751730	30	1491960
3000245E	CONCRETE	1983	COTTONWOOD AV N/S 400 E/O HEACOCK	10732031	22000L	-117.242574772	33.9245962962	30	1491960
1919523E	CONCRETE	1971	COTTONWOOD AVE S/S 276 E/O INDIAN AVE	10732031	22000L	-117.233997037	33.9244670465	55	1491960
2289112E	CONCRETE	1983	COTTONWOOD AVENUE N/S, 250 W/O INDIAN AV	10732031	22000L	-117.235727056	33.9245742934	25	1491960
2352612E	CONCRETE	1987	INDIAN STREET E/S, 345' S/O COTTONWOOD AVE	10732031	22000L	-117.234828953	33.9236089556	29	1491960
2352613E	CONCRETE	1987	INDIAN STREET E/S, 140' S/O COTTONWOOD AVE	10732031	22000L	-117.234826642	33.9241793909	29	1491960
2150219E	CONCRETE	1978	INDIAN STREET W/S, 593' N/O BAY AVENUE	10732031	22000L	-117.234955712	33.9226111718	50	1491960
4207554E	CONCRETE	1996	COTTONWOOD AVE S/S 441'E/O INDIAN AVE	10732031	22000L	-117.233424364	33.9245387361	29	1491960
4304860E	CONCRETE	1996	INDIAN E/S 200' S/O BAY	10732031	22000L	-117.234833834	33.9204583008	29	1491962
4304862E	CONCRETE	1996	BAY ST S/S, 200' E/O INDIAN	10732031	9500L	-117.234135592	33.9209264354	25	1491962
4316733E	CONCRETE	1998	COTTONWOOD AVE S/S, 530' E/O C/L CHESHIRE D	10732031	22000L	-117.240748378	33.9244905344	31	1491962
4316734E	CONCRETE	1998	COTTONWOOD AVE S/S, 710' E/O C/L CHESHIRE D	10732031	22000L	-117.240183604	33.9244987260	31	1491962
4334921E	CONCRETE	1998	COTTONWOOD AVE S/S, 100' E/O C/L CHESHIRE D	10732031	22000L	-117.242179761	33.9244866353	31	1491962
4334922E	CONCRETE	1998	COTTONWOOD AVE S/S, 315' E/O C/L CHESHIRE D	10732031	22000L	-117.241510613	33.9245027674	31	1491962
4364472E	CONCRETE	2000	COTTONWOOD AVE S/S, 120' W/O C/L CHESHIRE	10732031	22000L	-117.242870507	33.9244851682	31	1491962
1964252E	CONCRETE	1971	JO-ANN STREET W/S, 150' N/O COTTONWOOD AV	10732034	5800L	-117.232455231	33.9249427553	25	1491962
1964253E	CONCRETE	1971	JO-ANN STREET E/S, 360' N/O COTTONWOOD AV	10732034	5800L	-117.232351649	33.9254889983	25	1491962
1964257E	CONCRETE	1971	CORA PLACE W/S, 135' S/O MYRNA STREET	10732034	5800L	-117.230881517	33.9257008625	25	1491962
1964258E	CONCRETE	1971	CORA PLACE E/S, 280' S/O MYRNA STREET	10732034	5800L	-117.230647763	33.9252793619	25	1491962
1964263E	CONCRETE	1971	LEOTA COURT E/S, 280' S/O MYRNA STREET	10732034	5800L	-117.231534888	33.9252450411	25	1491962
1964264E	CONCRETE	1971	LEOTA COURT W/S, 135' S/O MYRNA STREET	10732034	5800L	-117.231677509	33.9257380187	25	1491962
1990740E	CONCRETE	1972	MORENO WAY E/S, 150' N/O COTTONWOOD AVE	10732034	5800L	-117.229754114	33.9250086930	25	1491962
1990741E	CONCRETE	1972	MORENO WAY W/S, CL/O CORLEY COURT EXT.	10732034	5800L	-117.229891641	33.9256223879	25	1491962
1990742E	CONCRETE	1972	EAST END OF CORLEY COURT	10732034	5800L	-117.229106254	33.9258428821	25	1491962
1990743E	CONCRETE	1972	CORLEY COURT N/S, 130' E/O MORRENO WAY	10732034	5800L	-117.229471705	33.9258015528	25	1491962
2150685E	CONCRETE	1979	BAY AVE & MORENO WAY	10732034	9500L	-117.229254299	33.9210244555	30	1491962
2150686E	CONCRETE	1979	BAY AV 110' E/O MORENO WY	10732034	9500L	-117.228713431	33.9210095913	30	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2150687E	CONCRETE	1979	BAY AV 188' W/O PERSIMMON RD	10732034	9500L	-117.227826110	33.9210042338	30	1491962
2150688E	CONCRETE	1979	S/W E/O BAY & PERSIMMON	10732034	9500L	-117.227224044	33.9209188290	30	1491962
2150689E	CONCRETE	1979	S/W E/O PERSIMMON & BASSWOOD	10732034	9500L	-117.227183159	33.9216362398	30	1491962
2150691E	CONCRETE	1979	BASSWOOD N/S 130' W/O PERSIMMON	10732034	9500L	-117.227645935	33.9217432831	30	1491962
2150692E	CONCRETE	1979	BASSWOOD 130' E/O MORENO WAY	10732034	9500L	-117.228733669	33.9216608678	30	1491962
2150694E	CONCRETE	1979	MORENO WAY W/S AT BASSWOOD ST	10732034	9500L	-117.229256224	33.9216929528	30	1491962
2150695E	CONCRETE	1979	MORENO WAY E/S N/O BAY	10732034	9500L	-117.229124712	33.9213540938	30	1491962
2181684E	CONCRETE	1980	PECAN PL. E/S 179' N/O BAY AVE	10732034	9500L	-117.230104226	33.9214359006	25	1491962
2182153E	CONCRETE	1980	N/W C/O PECAN PL. & BAY AVE.	10732034	9500L	-117.230246928	33.9210054805	25	1491962
2289363E	CONCRETE	1984	#4BAY AVE S/S 610 E/O INDIAN ST	10732034	9500L	-117.232869865	33.9209303317	45	1491962
2352430E	CONCRETE	1985	SEARSON DR, N/E COR/O BAY AVE	10732034	9500L	-117.231079078	33.9210151613	25	1491962
2352431E	CONCRETE	1957	N/S BAY AVE. W/O SEARSON DR.	10732034	9500L	-117.231749467	33.9210320852	25	1491962
2352432E	CONCRETE	1957	N/S BAY AVE. W/O SEARSON DR.	10732034	9500L	-117.232387688	33.9210048953	25	1491962
2352439E	CONCRETE	1987	ORMISTA DR, S/S, 550' E/O VELLANTO WY	10732034	9500L	-117.232523344	33.9216244100	25	1491962
2352440E	CONCRETE	1987	ORMISTA DR, N/S, 160' W/O SEARSON DR	10732034	9500L	-117.231656678	33.9217414960	25	1491962
2352441E	CONCRETE	1987	SEARSON DR, S/W COR/O ORMISTA DR	10732034	9500L	-117.231257071	33.9216124488	25	1491962
2203914E	CONCRETE	1980	BAY AVE S/S 500' W/O FLAMING ARROW	10732034	9500L	-117.224067873	33.9209500587	25	1491962
2203915E	CONCRETE	1980	BAY AVE S/S 270' W/O FLAMING ARROW	10732034	9500L	-117.223297239	33.9209170602	25	1491962
2225451E	CONCRETE	1981	DEER HILL PL E/S 165' N/O BAY AVE	10732034	9500L	-117.223315006	33.9214788954	25	1491962
2150690E	CONCRETE	1979	PERSIMMON ROAD E/S, 70' N/O BASSWOOD STR	10732034	9500L	-117.227055198	33.9219507679	30	1491962
2150693E	CONCRETE	1979	MORENO WAY E/S, 100' N/O BASSWOOD STREET	10732034	9500L	-117.229114180	33.9219957378	30	1491962
2181666E	CONCRETE	1980	PERSIMMON ROAD E/S, AT CL/O BRANCH STREET	10732034	9500L	-117.227065434	33.9225040522	25	1491962
2181667E	CONCRETE	1980	BRANCH STREET S/S, 70' W/O PERSIMMON ROAD	10732034	9500L	-117.227345735	33.9224556505	25	1491962
2181668E	CONCRETE	1980	BRANCH STREET N/S, 300' W/O PERSIMMON ROAD	10732034	9500L	-117.228130048	33.9225252664	25	1491962
2181669E	CONCRETE	1980	BRANCH STREET S/S, 520' W/O PERSIMMON ROAD	10732034	9500L	-117.228927613	33.9224411066	25	1491962
2181670E	CONCRETE	1980	PERSIMMON ROAD E/S, AT CL/O BAYLEAF STREET	10732034	9500L	-117.227076671	33.9232710205	25	1491962
2181671E	CONCRETE	1980	BAYLEAF STREET S/S, 175' W/O PERSIMMON ROAD	10732034	9500L	-117.227718246	33.9232463727	25	1491962
2181672E	CONCRETE	1980	BAYLEAF STREET S/S, 435' W/O PERSIMMON ROAD	10732034	9500L	-117.228496529	33.9232390913	25	1491962
2181673E	CONCRETE	1980	PERSIMMON ROAD E/S, AT CL/O BOWER STREET	10732034	9500L	-117.227325900	33.9240171598	25	1491962
2181674E	CONCRETE	1980	BOWER STREET N/S, 120' W/O PERSIMMON ROAD	10732034	9500L	-117.227885883	33.9240542236	25	1491962
2181675E	CONCRETE	1980	BOWER STREET S/S, 435' W/O PERSIMMON ROAD	10732034	9500L	-117.228832567	33.9240414883	25	1491962
2181676E	CONCRETE	1980	S/W COR/O PECAN PLACE & MORENO WAY	10732034	9500L	-117.229288904	33.9239482848	25	1491962
2181677E	CONCRETE	1980	MORENO WAY W/S, AT CL/O BAYLEAF STREET EXT	10732034	9500L	-117.229240784	33.9232800994	25	1491962
2181678E	CONCRETE	1980	MORENO WAY W/S, AT CL/O BRANCH STREET EXT	10732034	9500L	-117.229243796	33.9224636279	25	1491962
2181679E	CONCRETE	1980	PECAN PLACE N/S, 130' W/O MORENO WAY	10732034	9500L	-117.229618176	33.9241433829	25	1491962
2181680E	CONCRETE	1980	PECAN PLACE W/S, 300' W/O MORENO WAY	10732034	9500L	-117.230228311	33.9239799352	25	1491962
2181681E	CONCRETE	1980	PECAN PLACE W/S, 780' N/O BAY AVENUE	10732034	9500L	-117.230232434	33.9229522566	25	1491962
2181682E	CONCRETE	1980	PECAN PLACE E/S, 540' N/O BAY AVENUE	10732034	9500L	-117.230111310	33.9224556641	25	1491962
2181683E	CONCRETE	1980	PECAN PLACE W/S, 284' N/O BAY AVENUE	10732034	9500L	-117.230221894	33.9217417850	25	1491962
2352442E	CONCRETE	1985	SEARSON DRIVE E/S, 155' S/O QUALTON COURT	10732034	9500L	-117.231097145	33.9221054480	25	1491962
2352443E	CONCRETE	1985	N/E COR/O SEARSON DRIVE & QUALTON COURT	10732034	9500L	-117.231115069	33.9225027547	25	1491962
2352444E	CONCRETE	1985	QUALTON COURT S/S, 155' W/O SEARSON DRIVE	10732034	9500L	-117.231606361	33.9224204177	25	1491962
2352445E	CONCRETE	1985	QUALTON COURT N/S, 345' W/O SEARSON DRIVE	10732034	9500L	-117.232402008	33.9225104729	25	1491962
2352446E	CONCRETE	1985	QUALTON COURT S/S, 535' W/O SEARSON DRIVE	10732034	9500L	-117.232910297	33.9224252474	25	1491962
2352602E	CONCRETE	1985	MANTEE WAY S/S, 360' W/O SEARSON DRIVE	10732034	9500L	-117.232494690	33.9232265110	25	1491962
2352603E	CONCRETE	1985	MANTEE WAY N/S, 550' W/O SEARSON DRIVE	10732034	9500L	-117.232927864	33.9232911021	25	1491962
2352604E	CONCRETE	1985	MANTEE WAY N/S, 150' W/O SEARSON DRIVE	10732034	9500L	-117.231719948	33.9232992574	25	1491962
2352605E	CONCRETE	1985	SEARSON DRIVE E/S, 55' N/O CL/O MANTEE WAY	10732034	9500L	-117.231128899	33.9233239751	25	1491962
2352606E	CONCRETE	1985	SEARSON DRIVE E/S, @ CL/O VELLANTO WAY EXT	10732034	9500L	-117.231150156	33.9240992322	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2352607E	CONCRETE	1985	VELLANTO AVENUE S/S, 100' W/O SEARSON DRIV	10732034	9500L	-117.231626422	33.9240419363	25	1491962
2352608E	CONCRETE	1985	VELLANTO AVENUE N/S, 275' W/O SEARSON DRIV	10732034	9500L	-117.232249092	33.9241153755	25	1491962
2352609E	CONCRETE	1985	VELLANTO AVENUE S/S, 455' S/O SEARSON DRIVE	10732034	9500L	-117.232680094	33.9240393571	25	1491962
2353539E	CONCRETE	1985	S/W COR/O MANTEE WAY & SEARSON DRIVE	10732034	9500L	-117.231256018	33.9232196746	25	1491962
2225456E	CONCRETE	1981	SWEET GRASS DR S/S 210' W/O FLAMING STAR D	10732034	9500L	-117.223222734	33.9223338810	25	1491962
2225457E	CONCRETE	1981	SWEET GRASS DR N/S 400' W/O FLAMING STAR D	10732034	9500L	-117.224086258	33.9224116566	25	1491962
4057718E	CONCRETE	1989	COTTONWOOD AVENUE S/S, 278' E/O CL/O PERR	10732034	9500L	-117.225652562	33.9244683875	25	1491962
4057719E	CONCRETE	1989	COTTONWOOD AVENUE S/S, 478' E/O CL/O PERR	10732034	9500L	-117.224506261	33.9244676826	25	1491962
4212223E	CONCRETE	1992	ST CHRISTOPHER L N/W COR PERRIS BLVD	10732034	9500L	-117.226331750	33.9233050674	25	1491962
4212224E	CONCRETE	1992	ST CHRISTOPHER LN N/S 245' E/O PERRIS BL	10732034	9500L	-117.225508644	33.9233018906	25	1491962
4212225E	CONCRETE	1992	ST CHRISTOPHER LN N/S 487' E/O PERRIS BL	10732034	9500L	-117.224748811	33.9232838522	25	1491962
4271974E	CONCRETE	1994	BAY AVE. S/S, 383' E/O C/L PERRIS BLVD.	10732034	9500L	-117.224986404	33.9209344193	25	1491960
1964251E	CONCRETE	1971	COTTONWOOD AVENUE N/S, 90' W/O JO ANN ST	10732034	22000L	-117.232762962	33.9245333005	25	1491960
1964259E	CONCRETE	1971	COTTONWOOD AVENUE N/S, 130' W/O C/L MORE	10732034	22000L	-117.230217638	33.9245380698	25	1491960
1964260E	CONCRETE	1971	COTTONWOOD AVENUE N/S, 315' W/O C/L MORE	10732034	22000L	-117.230869016	33.9245332807	25	1491960
1990739E	CONCRETE	1972	N/E COR/O COTTONWOOD AVENUE & MORENO Y	10732034	22000L	-117.229716385	33.9245548640	25	1491960
4057716E	CONCRETE	1989	PERRIS BLVD. E/S, 395' S/O CL/O COTTONWOOD A	10732034	22000L	-117.226318395	33.9235412816	29	1491960
4057717E	CONCRETE	1989	PERRIS BLVD. E/S, 240' S/O CL/O COTTONWOOD A	10732034	22000L	-117.226236361	33.9239829270	29	1491960
4275889E	CONCRETE	1994	PERRIS BLVD. E/S, 268' S/O C/L BAY ST	10732034	22000L	-117.225587287	33.9209329399	29	1491960
4357606E	CONCRETE	2006	COTTONWOOD AVE N/S, 666' W/O C/L PERRIS BL	10732034	22000L	-117.228518690	33.9245493206	32	1491960
4357607E	CONCRETE	2006	COTTONWOOD AVE N/S, 466' W/O C/L PERRIS BL	10732034	22000L	-117.227866578	33.9245421778	32	1491960
4357608E	CONCRETE	2006	COTTONWOOD AVE N/S, 266' W/O C/L PERRIS BL	10732034	22000L	-117.227191561	33.9245431173	32	1491960
4709685E	CONCRETE	2008	N/E C/O COTTONWOOD AVE. & JO-ANN STREET	10732034	22000L	-117.232305541	33.9245317308	25	1491960
1964261E	CONCRETE	1971	COTTONWOOD AVENUE N/S, 220' E/O JO-ANN ST	10732034	22000L	-117.231645739	33.9245426312	25	1491960
4799404E	CONCRETE	2011	E/S PERRIS BLVD 287' N/O BAY	10732034	22000L	-117.226274447	33.9217037234	32	1491960
4799401E	CONCRETE	2011	N/S BAY ST 534' E/O PERRIS BLVD	10732034	9500L	-117.224472061	33.9210355373	27	1491962
4799402E	CONCRETE	2011	N/S BAY ST 226' E/O PERRIS BLVD	10732034	9500L	-117.225487166	33.9210313112	27	1491962
4799403E	CONCRETE	2011	E/S PERRIS BLVD 107' N/O BAY	10732034	22000L	-117.226280787	33.9212727957	32	1491960
2203916E	CONCRETE	1980	BAY AVE S/S 15' E/O FLAMING ARROW	10732037	9500L	-117.222318936	33.9209488253	25	1491962
2203917E	CONCRETE	1980	BAY AVE S/S 230' E/O FLAMING ARROW	10732037	9500L	-117.221579753	33.9210298222	25	1491962
2203918E	CONCRETE	1980	BAY AVE S/S 440' E/O FLAMING ARROW	10732037	9500L	-117.220920620	33.9209449747	25	1491962
2203919E	CONCRETE	1980	BAY AVE S/S 670' E/O FLAMING ARROW	10732037	9500L	-117.220182980	33.9209546796	25	1491962
2225452E	CONCRETE	1981	N/S C/O BAY AVE AND FLAMING ARROW DR	10732037	9500L	-117.222474680	33.9210359216	25	1491962
2225453E	CONCRETE	1981	FLAMING ARROW W/S 225' N/O BAY AVE	10732037	9500L	-117.222488389	33.9215818280	25	1491962
2347563E	CONCRETE	1985	BAY AVE, S/S, COR/O RED MAHOGANY DR	10732037	9500L	-117.218273698	33.9209551319	25	1491962
2347564E	CONCRETE	1985	BAY AVE, S/S, 175' W/O RED MAHOGANY DR	10732037	9500L	-117.219054933	33.9209458349	25	1491962
2347565E	CONCRETE	1985	BAY AVE, N/S, 385' W/O RED MAHOGANY DR	10732037	9500L	-117.219613506	33.9210257065	25	1491962
2347566E	CONCRETE	1985	RED MAHOGANY DR, E/S, 130' N/O BAY AVE	10732037	9500L	-117.218272328	33.9212770899	25	1491962
2347573E	CONCRETE	1985	RED MAHOGANY DR, E/S, COR/O WHITE BIRCH	10732037	9500L	-117.218261362	33.9216944881	25	1491962
2347574E	CONCRETE	1985	WHITE BIRCH LN, S/S, 122' W/O RED MAHOGANY	10732037	9500L	-117.218716353	33.9216906649	25	1491962
2347575E	CONCRETE	1985	WHITE BIRCH LN, N/S, COR/O BLUE SPRUCE	10732037	9500L	-117.219248104	33.9217814168	25	1491962
2347576E	CONCRETE	1985	WHITE BIRCH LN, S/S, COR/O BLACK ELM	10732037	9500L	-117.220130164	33.9216755673	25	1491962
2347577E	CONCRETE	1985	WHITE BIRCH LN, S/S, 125' E/O CRAPE MYRTLE	10732037	9500L	-117.220600629	33.9216751734	25	1491962
2347578E	CONCRETE	1985	CRAPE MYRTLE, W/S, 135' S/O WHITE BIRCH	10732037	9500L	-117.221145319	33.9213517260	25	1491962
2347579E	CONCRETE	1985	WHITE BIRCH LN, N/S, 140' W/O CRAPE MYRTLE	10732037	9500L	-117.221495453	33.9217388343	25	1491962
2347580E	CONCRETE	1986	CRAPE MYRTLE, N/E COR/O WHITE BIRCH	10732037	9500L	-117.220948547	33.9217568253	25	1491962
2293512E	CONCRETE	1984	STOCKBROOK W/S 135 N/O BAY AVE	10732037	9500L	-117.216033475	33.9213621836	25	1491962
2293516E	CONCRETE	1983	ARBOLADO LN. P/P S/S 305'N.,955'W/OCORYDON	10732037	9500L	-117.216028033	33.9221884645	40	1491962
4002485E	CONCRETE	1987	BAY AVENUE N/S, 215' E/O BEARBERRY DRIVE	10732037	9500L	-117.214167171	33.9210460250	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4002486E	CONCRETE	1987	BAY AVENUE N/S, 45' E/O BEARBERRY DRIVE	10732037	9500L	-117.214877938	33.9210283928	25	1491962
4002487E	CONCRETE	1987	BEARBERRY DRIVE W/S, 145' S/O TALLANDSIA CO	10732037	9500L	-117.215063893	33.9214301126	25	1491962
4056020E	CONCRETE	1988	BAY AVE. S/S 920' E/O KITCHING ST.	10732037	9500L	-117.214601596	33.9209579407	25	1491962
4056021E	CONCRETE	1988	BAY AVENUE S/S, 340' E/O KITCHING STREET	10732037	9500L	-117.216493585	33.9209449236	25	1491962
4063580E	CONCRETE	1989	BAY AVENUE S/S, 40' E/O CL/O MANGOWOOD DR	10732037	9500L	-117.213871307	33.9209538418	25	1491962
2150654E	CONCRETE	1980	W/S SILVER LN 420' N/O COTTONWOOD AVE	10732037	9500L	-117.219353639	33.9256944938	25	1491962
2150666E	CONCRETE	1980	W/S GOLD PLACE 420' N/O COTTONWOOD AVE	10732037	9500L	-117.218213860	33.9256751804	25	1491962
2150667E	CONCRETE	1980	E/S GOLD PLACE 170' N/O COTTONWOOD AVE	10732037	9500L	-117.218219760	33.9250751559	25	1491962
2150674E	CONCRETE	1980	E/S SILVER LN 170' N/O COTTONWOOD AVE	10732037	9500L	-117.219290812	33.9250486354	25	1491962
2225454E	CONCRETE	1981	FLAMING ARROW DR E/S 105' S/O SWEET GRASS	10732037	9500L	-117.222408106	33.9220615553	25	1491962
2225455E	CONCRETE	1981	SWEET GRASS DR N/S AT FLAMING STAR DR	10732037	9500L	-117.222461704	33.9224268575	25	1491962
2292473E	CONCRETE	1984	BUCKLAND N/S 300 W/O STOCKBROOK	10732037	9500L	-117.216934000	33.9232652683	25	1491962
2292477E	CONCRETE	1984	LORIE N/S 300 W/O STOCKBROOK	10732037	9500L	-117.216931308	33.9241039342	25	1491962
2347581E	CONCRETE	1986	SWEET GRASS, S/S, 185' W/O CRAPE MYRTLE	10732037	9500L	-117.221591657	33.9223292152	25	1491962
2347582E	CONCRETE	1986	CRAPE MYRTLE, E/S, COR/O SWEET GRASS	10732037	9500L	-117.221020162	33.9223708940	25	1491962
2347583E	CONCRETE	1986	E/S BLUE SPRUCE 250' N/O WHITE BIRCH	10732037	9500L	-117.219068657	33.9222863478	25	1491962
2347584E	CONCRETE	1986	BLUE SPRUCE, W/S, 390' N/O WHITE BIRCH	10732037	9500L	-117.219222011	33.9228231807	25	1491962
2347585E	CONCRETE	1986	BLUE SPRUCE, E/S, 550' N/O WHITE BIRCH	10732037	9500L	-117.219141178	33.9234125834	25	1491962
2347586E	CONCRETE	1986	BLACK ELM, W/S, 165' N/O WHITE BIRCH	10732037	9500L	-117.220203174	33.9221943105	25	1491962
2347587E	CONCRETE	1986	BLACK ELM, E/S, 375' N/O WHITE BIRCH	10732037	9500L	-117.220088024	33.9228133754	25	1491962
2347588E	CONCRETE	1986	BLACK ELM, W/S, 565' N/O WHITE BIRCH	10732037	9500L	-117.220186076	33.9233936503	25	1491962
2347589E	CONCRETE	1986	RED MAHOGANY, W/S, LOTS 156,157	10732037	9500L	-117.218420925	33.9224690818	25	1491962
2347590E	CONCRETE	1986	RED MAHOGANY, E/S, LOTS 213,214	10732037	9500L	-117.218231166	33.9230583313	25	1491962
2347591E	CONCRETE	1986	RED MAHOGANY, W/S, LOTS 166,167	10732037	9500L	-117.218387029	33.9235685490	25	1491962
2347592E	CONCRETE	1986	RED MAHOGANY, N/S, 870' E/O CRAPE MYRTLE	10732037	9500L	-117.218346575	33.9240926055	25	1491962
2347593E	CONCRETE	1986	RED MAHOGANY, S/S, 690' E/O CRAPE MYRTLE	10732037	9500L	-117.218799115	33.9240108779	25	1491962
2347594E	CONCRETE	1986	RED MAHOGANY, N/S, 490' E/O CRAPE MYRTLE	10732037	9500L	-117.219372180	33.9241273079	25	1491962
2347595E	CONCRETE	1986	RED MAHOGANY, S/S, 320' E/O CRAPE MYRTLE	10732037	9500L	-117.219937737	33.9240405400	25	1491962
2347596E	CONCRETE	1986	RED MAHOGANY, N/S, 120' E/O CRAPE MYRTLE	10732037	9500L	-117.220552896	33.9241534164	25	1491962
2347597E	CONCRETE	1986	CRAPE MYRTLE, W/S, COR/O RED MAHOGANY	10732037	9500L	-117.221147668	33.9241340825	25	1491962
2347598E	CONCRETE	1986	CRAPE MYRTLE, E/S, 215' S/O RED MAHOGANY	10732037	9500L	-117.220999175	33.9235794795	25	1491962
2347599E	CONCRETE	1986	CRAPE MYRTLE, W/S, 220' N/O SWEET GRASS	10732037	9500L	-117.221152717	33.9229303722	25	1491962
2292470E	CONCRETE	1984	STOCKBROOK E/S 205 S/O BUCKLAND	10732037	9500L	-117.215881223	33.9227211603	25	1491962
2292471E	CONCRETE	1984	STOCKBROOK E/S E/END OF BUCKLAND	10732037	9500L	-117.215873193	33.9232233361	25	1491962
2292472E	CONCRETE	1984	BUCKLAND LN S/S 115 W/O STOCKBROOK	10732037	9500L	-117.216350210	33.9231773275	25	1491962
2292474E	CONCRETE	1984	STOCKBROOK W/S 90 S/O LORIE	10732037	9500L	-117.215994562	33.9237940669	25	1491962
2292475E	CONCRETE	1984	STOCKBROOK E/S 125 S/O COTTONWOOD	10732037	9500L	-117.215848528	33.9241299028	25	1491962
2292476E	CONCRETE	1984	LORIE S/S 120 W/O STOCKBROOK	10732037	9500L	-117.216277023	33.9240253521	25	1491962
2292478E	CONCRETE	1984	COTTONWOOD S/S 110 E/O STOCKBROOK	10732037	9500L	-117.215508291	33.9244531888	30	1491962
2293513E	CONCRETE	1984	STOCKBROOK E/S 300 N/O BAY AV	10732037	9500L	-117.215893683	33.9218132887	25	1491962
2357905E	CONCRETE	1987	BEARBERRY DR W/S, 175' N/O DITTANY ST	10732037	9500L	-117.215113026	33.9239246491	25	1491962
2357906E	CONCRETE	1987	BANE BERRY ST W/S, 110' S/O COTTONWOOD AVE	10732037	9500L	-117.213871600	33.9242599066	25	1491962
2357909E	CONCRETE	1987	BANE BERRY ST E/S, 145' N/O DITTANY ST	10732037	9500L	-117.213758480	33.9237186844	25	1491962
4002488E	CONCRETE	1987	TALLANDSIA COURT S/S, 165' E/O BEARBERRY DR	10732037	9500L	-117.214560366	33.9217665813	25	1491962
4002489E	CONCRETE	1987	TILLANDSIA COURT N/S, 340' E/O BEARBERRY DR	10732037	9500L	-117.214064546	33.9218834900	25	1491962
4002490E	CONCRETE	1987	BEARBERRY DRIVE E/S, 45' N/O CL/O TALLANDSIA	10732037	9500L	-117.214894345	33.9218984827	25	1491962
4002491E	CONCRETE	1986	DANDELION CT S/S, 345' E/O BEARBERRY CT	10732037	9500L	-117.214094110	33.9225886977	25	1491962
4002492E	CONCRETE	1986	DANDELION CT N/S, 170' E/O BEARBERRY DR	10732037	9500L	-117.214489059	33.9226669743	25	1491962
4002493E	CONCRETE	1987	BEARBERRY DR W/S, 125' S/O DITTANY ST	10732037	9500L	-117.215088994	33.9231268801	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4002494E	CONCRETE	1986	BEARBERRY DR E/S, 45' S/O DANDELION CT	10732037	9500L	-117.214902699	33.9225949938	25	1491962
4002496E	CONCRETE	1987	DITTANY ST S/S, 155' E/O BEARBERRY DR	10732037	9500L	-117.214552820	33.9234164031	25	1491962
4002497E	CONCRETE	1987	DITTANY ST S/S, 10' W/O BANE BERRY ST	10732037	9500L	-117.213872064	33.9234130514	25	1491962
2347562E	CONCRETE	1985	KITCHING S/W COR/O BAY AVE	10732037	22000L	-117.217669241	33.9209573323	29	1491960
2347568E	CONCRETE	1985	KITCHING ST, W/S, 125' N/O BAY AVE	10732037	22000L	-117.217689239	33.9213786383	29	1491960
2347569E	CONCRETE	2012	KITCHING ST, W/S, 300' N/O BAY AVE	10732037	22000L	-117.217681978	33.9217982957	27	1491960
2150668E	CONCRETE	1980	KITCHING W/S, 150' N/O COTTONWOOD, MRNO	10732037	22000L	-117.217749355	33.9249172596	25	1491960
2150669E	CONCRETE	1980	KITCHING W/S, 350' N/O COTTONWOOD, MRNO	10732037	22000L	-117.217721658	33.9254386737	25	1491960
2150670E	CONCRETE	1980	KITCHING W/S, 530' N/O COTTONWOOD, MRNO	10732037	22000L	-117.217705381	33.9259369656	25	1491960
2292481E	CONCRETE	1957	E/S KITCHING ST S/O COTTONWOOD AVE	10732037	22000L	-117.217606964	33.9243050071	30	1491960
2347570E	CONCRETE	1985	KITCHING ST, W/S, 535' N/O BAY AVE	10732037	22000L	-117.217717782	33.9222886442	29	1491960
2347571E	CONCRETE	1985	KITCHING ST, W/S, 380' S/O COTTONWOOD AVE	10732037	22000L	-117.217732372	33.9233922463	29	1491960
2347572E	CONCRETE	1985	COTTONWOOD AVE, S/S, COR/O CRAPE MYRTLE	10732037	22000L	-117.220998792	33.9244546208	29	1491960
2292479E	CONCRETE	1984	COTTONWOOD S/S 40 W/O STOCKBROOK	10732037	22000L	-117.216007212	33.9244596337	30	1491960
2357907E	CONCRETE	1987	COTTONWOOD AVE S/S, 55' E/O BANE BERRY ST	10732037	22000L	-117.213678194	33.9244668100	29	1491960
2357908E	CONCRETE	1987	COTTONWOOD AVE S/S, 270' W/O BANE BERRY ST	10732037	22000L	-117.214706648	33.9244682626	29	1491960
4465611E	CONCRETE	2002	COTTONWOOD 250' E/O C/L CRAPE MYRTLE	10732037	22000L	-117.220200153	33.9244545354	32	1491960
4594345E	CONCRETE	2006	COTTONWOOD AVE N/S 105' W/O CRAPE MYRTLE	10732037	22000L	-117.221414172	33.9245460416	32	1491960
4594346E	CONCRETE	2006	COTTONWOOD AVE N/S 140' E/O CRAPE MYRTLE	10732037	22000L	-117.220601334	33.9245695815	32	1491960
4594347E	CONCRETE	2006	COTTENWOOD AV N/S 370' E/O CRAPE MYRTLE	10732037	22000L	-117.219855682	33.9245703015	32	1491960
4643621E	CONCRETE	2006	CRAPE MYRTLE DR W/S, 67' N/O COTTONWOOD	10732037	9500L	-117.221148443	33.9246853829	27	1491962
4643622E	CONCRETE	2006	MICHELE LN N/S, 7' E/O CRAPE MYRTLE DR	10732037	9500L	-117.221048021	33.9252299846	27	1491962
4643623E	CONCRETE	2006	MICHELE LN S/S, 97' W/O CRAPE MYRTLE DR	10732037	9500L	-117.221437563	33.9251533830	27	1491962
4643624E	CONCRETE	2006	MICHELE LN S/S, 107' E/O CRAPE MYRTLE DR	10732037	9500L	-117.220716217	33.9251408940	27	1491962
4643625E	CONCRETE	2006	KYLE DR W/S, 55' N/O MICHELE LN	10732037	9500L	-117.220138700	33.9252775205	27	1491962
4643626E	CONCRETE	2006	KYLE DR E/S, 108' S/O DRAKE DR	10732037	9500L	-117.220026159	33.9256011203	27	1491962
4643627E	CONCRETE	2006	KYLE DR W/S, 45' N/O DRAKE DR	10732037	9500L	-117.220170523	33.9260023273	27	1491962
4643628E	CONCRETE	2006	DRAKE DR S/S, 98' W/O KYLE DR	10732037	9500L	-117.220346839	33.9258550399	27	1491962
4643629E	CONCRETE	2006	DRAKE DR N/S, 250' W/O KYLE DR	10732037	9500L	-117.220923511	33.9259190742	27	1491962
4643630E	CONCRETE	2006	DRAKE DR S/S, 112' E/O PATRICIA	10732037	9500L	-117.221601872	33.9258346062	27	1491962
4643631E	CONCRETE	2006	PATRICIA E/S, 43' N/O DRAKE DR	10732037	9500L	-117.221944250	33.9259698027	27	1491962
4725917E	CONCRETE	2009	BAY AVENUE S/S 450' W/O MANGOWOOD DR	10732037	9500L	-117.215480779	33.9209575057	25	1491962
2292480E	CONCRETE	1984	STOCKBROOK S/S 175 E/O KITCHING	10732037	22000L	-117.217065172	33.9244463923	30	1491960
2135453E	CONCRETE	1977	TERRA BELLA E/S 440 S/O COTTONWOOD	10732040	5800L	-117.210540472	33.9233209318	25	1491962
2135454E	CONCRETE	1977	TERRA BELLA E/S 600' S/O COTTONWOOD	10732040	9500L	-117.210993417	33.9231948018	25	1491962
2309643E	CONCRETE	1985	RAILTON ST S/S 180' E/O DAIMLER ST.	10732040	9500L	-117.211076985	33.9217109575	25	1491962
2315589E	CONCRETE	1985	RAILTON ST, S/S, 290' S/O LANCIA ST	10732040	9500L	-117.209644526	33.9217237018	25	1491962
2315590E	CONCRETE	1985	RAILTON ST, S/S, 490' E/O DAIMLER ST	10732040	9500L	-117.210092527	33.9217130298	25	1491962
2315591E	CONCRETE	1985	RAILTON ST, S/S, 95' E/O DAIMLER ST	10732040	9500L	-117.211460444	33.9216988888	25	1491962
2315592E	CONCRETE	1985	DAIMLER ST, E/S, COR/O RAILTON ST	10732040	9500L	-117.211904947	33.9217194807	25	1491962
2315593E	CONCRETE	1985	DAIMLER ST, E/S, 135' N/O BAY AVE	10732040	9500L	-117.211770192	33.9213246837	25	1491962
2315595E	CONCRETE	1985	BAY AVE, N/S, 560' W/O LASSELLE ST	10732040	9500L	-117.210774747	33.9210510895	25	1491962
2315596E	CONCRETE	1985	BAY AVE, N/S, COR/O DAIMLER ST	10732040	9500L	-117.211892721	33.9210384503	25	1491962
2315597E	CONCRETE	1985	BAY AVE, N/S, COR/O CHARA AVE	10732040	9500L	-117.212843276	33.9210492838	25	1491962
2315598E	CONCRETE	1985	CHARA AVE, E/S, 170' N/O BAY AVE	10732040	9500L	-117.212741440	33.9215109234	25	1491962
2358140E	CONCRETE	1987	BAY AVENUE S/S, 290' W/O LASSELLE STREET	10732040	9500L	-117.209881264	33.9209592905	25	1491962
2358141E	CONCRETE	1987	BAY AVENUE S/S, 205' W/O CUMIN STREET	10732040	9500L	-117.211490179	33.9209754985	25	1491962
4003227E	CONCRETE	1987	BAY AVENUE W/S, 540' W/O REGIS DRIVE	10732040	9500L	-117.206872027	33.9210562199	25	1491962
4003230E	CONCRETE	1987	WINDEMERE WAY N/S, 330' E/O HUXLEY DRIVE	10732040	9500L	-117.207092033	33.9218021579	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4003231E	CONCRETE	1987	WINDEMERE WAY S/S, 80' E/O HUXLEY DRIVE	10732040	9500L	-117.207971183	33.9216945543	25	1491962
4003232E	CONCRETE	1987	BAY AVENUE N/S, 204' E/O LASSELLE STREET	10732040	9500L	-117.208227275	33.9210587985	25	1491962
4003234E	CONCRETE	1987	LASSELLE STREET E/S, 45' N/O WINDEMERE WAY	10732040	9500L	-117.208868501	33.9218013482	25	1491962
4005127E	CONCRETE	1987	BAY AVENUE S/S, 45' E/O CL/O CHARA STREET	10732040	9500L	-117.212702364	33.9209484620	25	1491962
4016571E	CONCRETE	1987	HUXLEY DRIVE W/S, 85' N/O WINDEMERE WAY	10732040	9500L	-117.208339917	33.9219445742	25	1491962
4003218E	CONCRETE	1987	WINDEMERE WY S/S, 510' E/O HUXLEY DR	10732040	9500L	-117.206584918	33.9217089812	25	1491962
4003224E	CONCRETE	1987	REGIS DR W/S, 45' N/O WINDEMERE WY	10732040	9500L	-117.205176474	33.9218161308	25	1491962
4003225E	CONCRETE	1987	REGIS DR E/S, 160' S/O WINDEMERE WY	10732040	9500L	-117.205030766	33.9213838052	25	1491962
4003226E	CONCRETE	1987	BAY AVE N/S, 105' W/O REGIS DR	10732040	9500L	-117.205461111	33.9210703554	25	1491962
4003229E	CONCRETE	1987	WINDEMERE WY N/S, 225' W/O REGIS DR	10732040	9500L	-117.205774271	33.9218421399	25	1491962
2135451E	CONCRETE	1977	TERRA BELLA W/S 180 S/O COTTONWOOD	10732040	9500L	-117.210663273	33.9240034206	25	1491962
2135452E	CONCRETE	1977	TERRA BELLA E/S 280 S/O COTTONWOOD	10732040	9500L	-117.210530473	33.9237035366	25	1491962
2309637E	CONCRETE	1985	LANCIA ST, N/S COR/O RAILTON ST	10732040	9500L	-117.209574427	33.9225470722	25	1491962
2309638E	CONCRETE	1985	LANCIA ST, N/S, 330' E/O DAIMLER ST	10732040	9500L	-117.210727800	33.9225104002	25	1491962
2309640E	CONCRETE	1985	LANCIA ST, S/S, 150' E/O DAIMLER ST	10732040	9500L	-117.211299085	33.9224231815	25	1491962
2309641E	CONCRETE	1985	LANCIA ST, S/S, 180' W/O RAILTON ST	10732040	9500L	-117.210078805	33.9224307718	25	1491962
2309642E	CONCRETE	1985	RAILTON ST, E/S, 120' S/O LANCIA ST	10732040	9500L	-117.209510569	33.9221445191	25	1491962
2313279E	CONCRETE	1987	MARGARITA ST S/S, 5' W/O NINEBARK ST	10732040	9500L	-117.212650637	33.9231852235	25	1491962
2313280E	CONCRETE	1987	MARGARITA ST S/S, 45' E/O DAIMLER ST	10732040	9500L	-117.211732925	33.9231905373	25	1491962
2313284E	CONCRETE	1987	CAYENNE CT N/S, 310' E/O NINEBARK ST	10732040	9500L	-117.211452363	33.9240910731	25	1491962
2313285E	CONCRETE	1987	CAYENNE CT S/S, 150' E/O NINEBARK ST	10732040	9500L	-117.212041333	33.9240022524	25	1491962
2313286E	CONCRETE	1987	NINEBARK ST W/S, 150' S/O CAYENNE CT	10732040	9500L	-117.212715796	33.9237214644	25	1491962
2313287E	CONCRETE	1987	MARGARITA ST N/S, 90' E/O NINEBARK ST	10732040	9500L	-117.212332604	33.9232650375	25	1491962
2315599E	CONCRETE	1985	CHARA AVE, W/S, 340' N/O BAY AVE	10732040	9500L	-117.212874175	33.9219303407	25	1491962
2315639E	CONCRETE	1985	CHARA AVE, END/O CUL-DE-SAC N/O BAY AVE	10732040	9500L	-117.212810125	33.9224664535	25	1491962
4001901E	CONCRETE	1987	ANISE ST S/S, 25' E/O CORIANDER ST	10732040	9500L	-117.211607063	33.9252409692	25	1491962
4001902E	CONCRETE	1987	CORIANDER ST W/S, 90' N/O ANISE ST	10732040	9500L	-117.211710619	33.9255093616	25	1491962
4001903E	CONCRETE	1987	CORIANDER ST E/S, 275' N/O ANISE ST	10732040	9500L	-117.211581161	33.9259640184	25	1491962
4001905E	CONCRETE	1987	NINEBARK ST E/S, 170' N/O ANISE ST	10732040	9500L	-117.212598625	33.9257875259	25	1491962
4001906E	CONCRETE	1987	NINEBARK ST W/S, 25' S/O ANISE ST	10732040	9500L	-117.212753870	33.9252811345	25	1491962
4001907E	CONCRETE	1987	ANISE ST S/S, 160' E/O NINEBARK ST	10732040	9500L	-117.212196500	33.9252141842	25	1491962
4003221E	CONCRETE	1987	LASSELLE ST E/S, 370' N/O WINDEMERE WY	10732040	9500L	-117.208880866	33.9227376983	25	1491962
4003235E	CONCRETE	1987	HUXLEY DR N/S, 155' W/O STACY LYNN DR	10732040	9500L	-117.208323809	33.9221428991	25	1491962
4003236E	CONCRETE	1987	STACY LYNN DR E/S, 125' N/O HUXLEY DR	10732040	9500L	-117.207620560	33.9227070865	25	1491962
4016569E	CONCRETE	1987	HUXLEY DR S/S, 100' E/O STACY LYNN DR	10732040	9500L	-117.207310958	33.9223999804	25	1491962
4016570E	CONCRETE	1987	HUXLEY DR N/S, 295' E/O STACY LYNN DR	10732040	9500L	-117.206758075	33.9224931078	25	1491962
2344881E	CONCRETE	1987	LAKEPORT DR E/S, 65' N/O COTTONWOOD AVE	10732040	9500L	-117.206182313	33.9246276018	25	1491962
2344882E	CONCRETE	1987	LAKEPORT DR W/S, 220' N/O COTTONWOOD	10732040	9500L	-117.206349290	33.9251395986	25	1491962
2344883E	CONCRETE	1987	DARDANELLE CT S/S, 150' E/O LAKEPORT DR	10732040	9500L	-117.205675425	33.9251104755	25	1491962
2344884E	CONCRETE	1957	END OF DARDANELLE EAST OF LAKEPORT DR	10732040	9500L	-117.204949643	33.9251718879	30	1491962
2344885E	CONCRETE	1987	FERNDALE CT S/S, 150' E/O LAKEPORT DR	10732040	9500L	-117.205610402	33.9259283038	25	1491962
2344886E	CONCRETE	1987	FERNDALE CT N/S, 355' E/O LAKEPORT DR	10732040	9500L	-117.204991991	33.9260370733	25	1491962
2344887E	CONCRETE	1987	LAKEPORT DR W/S, 43' N/O FERNDAL CT	10732040	9500L	-117.206354670	33.9259282361	25	1491962
2344889E	CONCRETE	1987	LAKEPORT DR E/S, 100' S/O FERNDAL CT	10732040	9500L	-117.206236508	33.9257664306	25	1491962
2344898E	CONCRETE	1987	BURNEY PASS DR E/S, 65' N/O COTTONWOOD	10732040	9500L	-117.203992618	33.9247384780	25	1491962
2344899E	CONCRETE	1987	BURNEY PASS DR E/S, 70' N/O WALKER PASS	10732040	9500L	-117.203976718	33.9254204138	25	1491962
2344900E	CONCRETE	1987	CAPE MENDOCINO CT N/S, 95' E/O BURNEY PASS	10732040	9500L	-117.203720458	33.9259873328	25	1491962
2358002E	CONCRETE	1987	BURNEY PASS DR W/S, 55' S/O CAPE MENDOCINO	10732040	9500L	-117.204161383	33.9257850172	25	1491962
2358013E	CONCRETE	1987	WALKER PASS DR S/S, 155' E/O BURNEY PASS	10732040	9500L	-117.203580778	33.9251005197	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4003222E	CONCRETE	1987	ERIN DR E/S, 125' N/O HUXLEY DR	10732040	9500L	-117.206105151	33.9227771723	25	1491962
4003223E	CONCRETE	1987	REGIS DR E/S, 5' N/O HUXLEY DR	10732040	9500L	-117.205050743	33.9224272762	25	1491962
4016568E	CONCRETE	1987	HUXLEY DR S/S, 40' E/O ERIN DR	10732040	9500L	-117.206107694	33.9223999783	25	1491962
2309635E	CONCRETE	1985	LASSELLE ST, W/S, 135' N/O BAY AVE	10732040	22000L	-117.209003209	33.9213213574	29	1491960
2309636E	CONCRETE	1985	LASSELLE ST, W/S, COR/O LANCIA ST	10732040	22000L	-117.208997485	33.9224496083	29	1491960
2313282E	CONCRETE	1987	COTTONWOOD AVE S/S, 140' W/O NINEBARK ST	10732040	22000L	-117.213117489	33.9244508906	29	1491960
2313283E	CONCRETE	1987	COTTONWOOD AVE S/S, 280' E/O NINEBARK	10732040	22000L	-117.211820255	33.9244353736	29	1491960
4465610E	CONCRETE	2002	COTTONWOOD S/S, 412' E/O C/L LASSELLE	10732040	22000L	-117.207594192	33.9244348281	32	1491960
4498102E	CONCRETE	2003	LASSELLE ST E/S 185' S/O JIM DR	10732040	22000L	-117.208885537	33.9259873106	32	1491962
4498103E	CONCRETE	2003	JAMES ST E/S, CL/O MAKENNA ST	10732040	9500L	-117.208172608	33.9256740203	27	1491962
4498104E	CONCRETE	2003	LASSELLE ST E/S, 60' S/O MAKENNA ST	10732040	22000L	-117.208864286	33.9255270669	32	1491962
4498105E	CONCRETE	2003	JAMES ST W/S 20' N/O PECK ST	10732040	9500L	-117.208326280	33.9261289476	27	1491962
4498106E	CONCRETE	2003	PECK ST S/S 168' E/O JAMES ST	10732040	9500L	-117.207648831	33.9261033332	27	1491962
4498107E	CONCRETE	2003	PECK ST N/S CL/O BRAD ST	10732040	9500L	-117.207076108	33.9261955021	27	1491962
4498108E	CONCRETE	2003	BRAD ST W/S, 170' S/O PECK ST	10732040	9500L	-117.207118721	33.9256474477	27	1491962
4498109E	CONCRETE	2003	PRADO ST S/S, 10' E/O BRAD ST	10732040	9500L	-117.207025441	33.9251252765	27	1491962
4498110E	CONCRETE	2003	PRADO ST N/S, CL/O STACY LYNN DR	10732040	9500L	-117.207713653	33.9251983031	27	1491962
4498111E	CONCRETE	2003	PRADO ST S/S, 10' W/O JAMES ST	10732040	9500L	-117.208249916	33.9251371936	27	1491962
4498112E	CONCRETE	2003	COTTONWOOD AVE N/S 61' W/O STACY LYNN DR	10732040	22000L	-117.208006242	33.9245494031	32	1491962
4498113E	CONCRETE	2003	COTTONWOOD AVE N/S 118' E/O STACY LYNN DR	10732040	22000L	-117.207398431	33.9245374518	32	1491962
4498114E	CONCRETE	2003	COTTONWOOD AVE N/S 295' E/O STACY LYNN DR	10732040	22000L	-117.206740040	33.9245417752	32	1491962
4498115E	CONCRETE	2003	COTTONWOOD AVE N/S 75' E/O LASSELLE ST	10732040	22000L	-117.208743647	33.9245513146	32	1491962
4498116E	CONCRETE	2003	LASSELLE ST E/S, 121' N/O COTTONWOOD AVE	10732040	22000L	-117.208886134	33.9248519401	32	1491962
4546001E	CONCRETE	2006	ANISE DR S/S, 46' W/O ALPINE ST	10732040	9500L	-117.210681770	33.9252270404	27	1491962
4546002E	CONCRETE	2006	ANISE DR S/S, 272' E/O ALPINE ST	10732040	9500L	-117.209643938	33.9252459778	27	1491962
4546003E	CONCRETE	2006	ALPINE ST E/S, 46' S/O ANISE DR	10732040	9500L	-117.210471495	33.9251947744	27	1491962
4546004E	CONCRETE	2006	ALPINE ST W/S, 200' S/O ANISE DR	10732040	9500L	-117.210603669	33.9247518221	27	1491962
4546005E	CONCRETE	2006	ALPINE ST E/S, 102' N/O ANISE ST	10732040	9500L	-117.210490795	33.9255916252	27	1491962
4546006E	CONCRETE	2006	ANISE ST N/S, 50' W/O ALPINE ST	10732040	9500L	-117.210675353	33.9253138225	27	1491962
4710837E	CONCRETE	2009	DAIMLER ST, W/S COR/O LANCIA ST.	10732040	9500L	-117.211934140	33.9224587414	25	1491962
2344888E	CONCRETE	1987	CAPE MENDOCINO CT S/S, 270' E/O BURNEY PASS	10732043	9500L	-117.203102936	33.9258954041	25	1491962
2344892E	CONCRETE	1987	YUBA PASS RD E/S, 135' S/O ROCKPORT	10732043	9500L	-117.200772257	33.9261142748	25	1491962
2344893E	CONCRETE	1987	YUBA PASS RD W/S, 95' N/O WALKER PASS	10732043	9500L	-117.200884211	33.9253949136	25	1491962
2344894E	CONCRETE	1987	WALKER PASS DR S/S, 50' W/O YUBA PASS	10732043	9500L	-117.201024514	33.9251218658	25	1491962
2344895E	CONCRETE	1987	WALKER PASS DR N/S, 265' W/O YUBA PASS	10732043	9500L	-117.201787404	33.9251880879	25	1491962
2344896E	CONCRETE	1987	WALKER PASS DR S/S, 530' E/O BURNEY PASS	10732043	9500L	-117.202216704	33.9250676416	25	1491962
2344897E	CONCRETE	1987	WALKER PASS DR N/S, 330' E/O BURNEY PASS	10732043	9500L	-117.202936191	33.9252021264	25	1491962
2358001E	CONCRETE	1987	CAPE MENDOCINO CT N/S, 455' E/O BURNEY PAS	10732043	9500L	-117.202515695	33.9259977894	25	1491962
2358021E	CONCRETE	1987	CAPE MENDOCINO CT S/S, 635' E/O BURNEY PASS	10732043	9500L	-117.201963084	33.9259009636	25	1491962
2301893E	CONCRETE	1987	MORRISON ST W/S, 190' N/O COTTONWOOD	10732043	22000L	-117.200278932	33.9250757575	29	1491960
2344890E	CONCRETE	1987	MORRISON AVE W/S, 52' S/O ROCKPORT DR	10732043	22000L	-117.200273338	33.9263186017	29	1491960
4536271E	CONCRETE	2004	STADIUM WAY W/S, 110' N/O CAMPUS POINT DR	10732043	9500L	-117.193753777	33.9254299551	27	1491962
4536272E	CONCRETE	2004	STADIUM WAY E/S, 270' N/O CAMPUS POINT DR	10732043	9500L	-117.193638867	33.9258887484	27	1491962
4536273E	CONCRETE	2004	STADIUM WAY W/S, 260' S/O COMMONS DR	10732043	9500L	-117.193746610	33.9262491080	27	1491962
4536278E	CONCRETE	2004	VARSITY LN W/S, 185' S/O COMMONS DR	10732043	9500L	-117.194568587	33.9264377924	27	1491962
4536279E	CONCRETE	2004	VARSITY LN E/S, 278' N/O CAMPUS POINT DR	10732043	9500L	-117.194457332	33.9259025056	27	1491962
4536280E	CONCRETE	2004	VARSITY LN W/S, 105' N/O CAMPUS POINT DR	10732043	9500L	-117.194571903	33.9254232847	27	1491962
4525976E	CONCRETE	2003	COTTONWOOD N/S 1295' W/O NASON	10732043	22000L	-117.195802169	33.9245878498	31	1491960
4525977E	CONCRETE	2003	COTTONWOOD N/S 1109' W/O NASON	10732043	22000L	-117.195065138	33.9245897165	31	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4525978E	CONCRETE	2003	COTTONWOOD N/S 915'W/O NASON	10732043	22000L	-117.194510582	33.9245770679	31	1491960
4525979E	CONCRETE	2003	COTTONWOOD N/S 714'W/O C/L NASON	10732043	22000L	-117.193909951	33.9245791159	31	1491960
4482224E	CONCRETE	2005	CAMPUS POINT DR S/S, 120' E/O C/L VARSITY LN	10732043	9500L	-117.194139294	33.9251066306	27	1491960
4490200E	CONCRETE	2005	CAMPUS POINT DR N/S, 43' E/O C/L STADIUM WY	10732043	9500L	-117.193574892	33.9252140399	27	1491960
4490526E	CONCRETE	2005	CAMPUS POINT DR N/S, 42' W/O C/L VARSITY LN	10732043	9500L	-117.194668778	33.9251800994	27	1491960
4490642E	CONCRETE	2005	LETTERMAN ST W/S, 120' N/O C/L CAMPUS POIN	10732043	9500L	-117.195499441	33.9254660133	27	1491960
4490726E	CONCRETE	2005	CAMPUS POINT DR S/S, 43' E/O C/L LETTERMAN S	10732043	9500L	-117.195281963	33.9251181568	27	1491960
4490743E	CONCRETE	2005	LETTERMAN ST E/S, 91' S/O C/L CAMPUS POINT D	10732043	9500L	-117.195351249	33.9248884370	27	1491960
4492986E	CONCRETE	2005	LETTERMAN ST E/S, 282' N/O C/L CAMPUS POINT	10732043	9500L	-117.195354588	33.9259206697	27	1491960
4498150E	CONCRETE	2005	LETTERMAN ST W/S, 477' N/O C/L CAMPUS POIN	10732043	9500L	-117.195456011	33.9264595485	27	1491960
4207432E	CONCRETE	1992	NASON E/S 660' N/O BAY ST	10732046	22000L	-117.191400746	33.9224912677	29	1491960
4207433E	CONCRETE	1992	NASON E/S 880' N/O BAY ST	10732046	22000L	-117.191407462	33.9231122656	29	1491960
4525983E	CONCRETE	2003	NASON N/W C/O COTTONWOOD	10732046	22000L	-117.191581339	33.9245775754	31	1491960
4482049E	CONCRETE	2004	ATHLETICS DR W/S, 114' N/O C/L CAMPUS POINT	10732046	9500L	-117.192943883	33.9254626097	27	1491960
4482234E	CONCRETE	2004	CAMPUS POINT DR S/S, 43' W/O C/L ATHLETICS D	10732046	9500L	-117.193037266	33.9251052122	27	1491960
4482853E	CONCRETE	2004	CAMPUS POINT DR N/S, 154' E/O C/L ATHLETICS D	10732046	9500L	-117.192289763	33.9252203783	27	1491960
4525980E	CONCRETE	2003	COTTONWOOD N/S 514'W/O C/L NASON	10732046	22000L	-117.189774365	33.9245853223	31	1491960
4525981E	CONCRETE	2003	COTTONWOOD N/S 340'W/O C/L NASON	10732046	22000L	-117.190392084	33.9245911266	31	1491960
4525982E	CONCRETE	2003	COTTONWOOD N/S 145'W/O C/L NASON	10732046	22000L	-117.191002362	33.9245868908	31	1491960
4525985E	CONCRETE	2003	NASON W/S 462'N/O C/L COTTONWOOD	10732046	22000L	-117.191580032	33.9257948928	31	1491960
4525986E	CONCRETE	2003	NASON W/S 667'N/O C/L COTTONWOOD	10732046	22000L	-117.191567168	33.9263954426	31	1491960
4522099E	CONCRETE	2004	ATHLETICS DR E/S, 52' S/O HOMEROOM CT	10732046	9500L	-117.192730025	33.9258905762	27	1491962
4522100E	CONCRETE	2004	HOMEROOM CT N/S, 180' E/O ATHLETICS DR	10732046	9500L	-117.192184089	33.9260504430	27	1491962
4532976E	CONCRETE	2004	ATHLETICS DR W/S, 140' N/O HOMEROOM CT	10732046	9500L	-117.192823898	33.9262758797	27	1491962
4532977E	CONCRETE	2004	ATHLETICS DR W/S, 140' N/O HOMEROOM CT	10732046	9500L	-117.192678861	33.9265459030	27	1491962
4487944E	CONCRETE	2005	MARTHA CRAWFORD CT W/S, 65' S/O CEDAR CT	10732046	9500L	-117.184975562	33.9234798145	27	1491962
4487945E	CONCRETE	2005	CEDAR CT N/S, 140' W/O MARTHA CRAWFORD CT	10732046	9500L	-117.185406045	33.9234746538	27	1491962
4487946E	CONCRETE	2005	CEDAR CT S/S, 372' W/O MARTHA CRAWFORD CT	10732046	9500L	-117.186113316	33.9233890006	27	1491962
4487947E	CONCRETE	2005	CEDAR CT N/S, 531' W/O MARTHA CRAWFORD CT	10732046	9500L	-117.186609250	33.9234267368	27	1491962
4525984E	CONCRETE	2003	NASON W/S 268'N/O C/L COTTONWOOD	10732046	22000L	-117.191551554	33.9252604779	31	1491960
4016576E	CONCRETE	1988	E/S CLEMSON CT., 280' N/O BAY AVE.	10732055	9500L	-117.162423001	33.9217520449	25	1491962
4001932E	CONCRETE	1987	S/S COTTONWOOD, 250' E/O WILMOT ST.	10732055	9500L	-117.160220004	33.9245459714	25	1491962
4001933E	CONCRETE	1987	E/S WILMOT ST., 310' N/O MC ABEE AVE.	10732055	9500L	-117.160987192	33.9235830161	25	1491962
4001934E	CONCRETE	1987	N/S MC ABEE AVE., 160' E/O WILMOT	10732055	9500L	-117.160485667	33.9228405057	25	1491962
4001935E	CONCRETE	1987	N/S MC ABEE, 48' E/O PLANTATION WAY	10732055	9500L	-117.159611701	33.9228569814	25	1491962
4001936E	CONCRETE	1987	W/S PLANTATION WAY, 330' N/O MC ABEE	10732055	9500L	-117.159536338	33.9236098180	25	1491962
4001937E	CONCRETE	1987	END OF PLANTATION WAY	10732055	9500L	-117.159416837	33.9241212313	25	1491962
4016574E	CONCRETE	1988	W/S WILMOT ST., 95' S/O MCABEE AVE.	10732055	9500L	-117.161080533	33.9225201938	25	1491962
4016577E	CONCRETE	1988	EAST END OF CLEMSON CT., 475' E/O BAY AVE.	10732055	9500L	-117.162522531	33.9222513298	25	1491962
4496541E	CONCRETE	2002	ARBOR PARK LA W/S, 81' N/O C/L WITCHHAZEL A	10752019	9500L	-117.273857875	33.9259866392	27	1491962
4496542E	CONCRETE	2002	ARBOR PARK LN E/S, 46' N/O C/L HAWTHORNE A	10752019	9500L	-117.273712853	33.9265764717	27	1491962
4496543E	CONCRETE	2002	ARBOR PARK LN W/S, 46' S/O C/L DRACAEA AVE	10752019	9500L	-117.274026177	33.9271340676	27	1491962
4496544E	CONCRETE	2002	HICKORY WAY E/S, 37' N/O C/L WITCHHAZEL AVE	10752019	9500L	-117.274507301	33.9258146368	27	1491962
4496545E	CONCRETE	2002	HICKORY WAY E/S, 228' N/O C/L WITCHHAZEL AV	10752019	9500L	-117.274509235	33.9262883485	27	1491962
4496546E	CONCRETE	2002	HICKORY WAY S/S, 103' E/O C/L CHERRYLAUREL A	10752019	9500L	-117.274926443	33.9265392358	27	1491962
4496547E	CONCRETE	2002	CHERRYLAUREL AVE W/S, 50' S/O C/L DRACAEA A	10752019	9500L	-117.275320172	33.9272157344	27	1491962
4496548E	CONCRETE	2002	CHERRYLAUREL AVE E/S, 45' N/O C/L HICKORY W	10752019	9500L	-117.275226850	33.9266899787	27	1491962
4496549E	CONCRETE	2002	CHERRYLAUREL AVE W/S, 127' N/O C/L WITCHA	10752019	9500L	-117.275377449	33.9260525145	27	1491962
4496741E	CONCRETE	2002	DRACAEA AVE S/S, 182' W/O C/L ARBOR PARK LN	10752019	9500L	-117.274529442	33.9272025683	27	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4496742E	CONCRETE	2002	DRACAEA AVE N/S, 2' W/O C/L CHERRYLAUREL AV	10752019	9500L	-117.275198957	33.9273629670	27	1491962
4496743E	CONCRETE	2002	DRACAEA AVE S/S, 210' W/O C/L CHERRYLAUREL	10752019	9500L	-117.275909604	33.9274780744	27	1491962
4496744E	CONCRETE	2002	WITCHHAZEL AVE N/S, 577' N/O C/L WITCHHAZEL	10752019	9500L	-117.276235923	33.9271841158	27	1491962
4496745E	CONCRETE	2002	WITCHHAZEL AVE W/S, 438' N/O C/L WITCHHAZE	10752019	9500L	-117.276022280	33.9268857740	27	1491962
4496746E	CONCRETE	2002	WITCHHAZEL AVE E/S, 228' N/O C/L WITCHHAZEL	10752019	9500L	-117.275879219	33.9262867681	27	1491962
4496747E	CONCRETE	2002	WITCHHAZEL AVE W/S, 23' N/O C/L WITCHHAZEL	10752019	9500L	-117.276014921	33.9257863348	27	1491962
4496748E	CONCRETE	2002	WITCHHAZEL AVE N/S, 44' W/O C/L CHERRYLAUR	10752019	9500L	-117.275432084	33.9257506591	27	1491962
4496749E	CONCRETE	2002	WITCHHAZEL AVE S/S, 56' W/O C/L HICKORY WAY	10752019	9500L	-117.274718628	33.9256592698	27	1491962
4496750E	CONCRETE	2002	WITCHHAZEL AVE N/S, 141' E/O C/L HICKORY WA	10752019	9500L	-117.274106732	33.9257658544	27	1491962
4496727E	CONCRETE	2003	ARBOR PARK LN W/S, 46' N/O C/L SWEETGUN AV	10752019	9500L	-117.274069544	33.9292254497	27	1491962
4496728E	CONCRETE	2003	SWEETGUN AVE S/S, 80' W/O C/L ARBOR PARK LN	10752019	9500L	-117.274356088	33.9291014870	27	1491962
4496729E	CONCRETE	2003	SWEETGUN AVE N/S, 226' E/O C/L ACACIA AVE	10752019	9500L	-117.274780496	33.9291978671	27	1491962
4496730E	CONCRETE	2003	SWEETGUN AVE N/S, 39' E/O C/L ACACIA AVE	10752019	9500L	-117.275663552	33.9292602546	27	1491962
4496731E	CONCRETE	2003	ACACIA AVE W/S, 120' N/O C/L SWEETGUM AVE	10752019	9500L	-117.275849966	33.9294879156	27	1491962
4496732E	CONCRETE	2003	ACACIA AVE E/S, 111' N/O C/L SWEETGUM AVE	10752019	9500L	-117.275732974	33.9288910354	27	1491962
4496733E	CONCRETE	2003	EMPRESS ST N/S, 41' E/O C/L ACACIA AVE	10752019	9500L	-117.275639571	33.9286106965	27	1491962
4496734E	CONCRETE	2003	ACACIA AVE W/S, 106' N/O C/L EMPRESS ST	10752019	9500L	-117.275822655	33.9282297719	27	1491962
4496735E	CONCRETE	2003	EMPRESS ST N/S, 36' E/O C/L ACACIA AVE	10752019	9500L	-117.275617125	33.9280147532	27	1491962
4496736E	CONCRETE	2003	ACACIA AVE E/S, 45' N/O C/L DRACAEA AVENUE	10752019	9500L	-117.275865266	33.9276150214	27	1491962
4496737E	CONCRETE	2003	EMPRESS ST S/S, 185' E/O C/L ACACIA AVE	10752019	9500L	-117.275179730	33.9278083937	27	1491962
4496738E	CONCRETE	2003	EMPRESS ST W/S, 45' N/O C/L EMPRESS ST	10752019	9500L	-117.274608955	33.9279063007	27	1491962
4496739E	CONCRETE	2003	EMPRESS ST E/S, 400' E/O C/L ACACIA AVE	10752019	9500L	-117.274492928	33.9283929827	27	1491962
4496740E	CONCRETE	2003	EMPRESS ST S/S, 205' E/O C/L ACACIA AVE	10752019	9500L	-117.275120743	33.9285047890	27	1491962
4496705E	CONCRETE	2002	DRACAEA AVE N/S, 109' E/O C/L YELLOWWOOD ST	10752019	9500L	-117.273105021	33.9287129279	27	1491962
4496706E	CONCRETE	2002	YELLOWWOOD ST E/S, 50' N/O C/L DRACAEA AVE	10752019	9500L	-117.273381173	33.9287648307	27	1491962
4496708E	CONCRETE	2002	ARBOR PARK LN E/S, 333' S/O C/L DRACAEA AVE	10752019	9500L	-117.273975288	33.9277364648	27	1491962
4496709E	CONCRETE	2002	ARBOR PARK LN W/S, 123' S/O C/L DRACAEA AVE	10752019	9500L	-117.274085022	33.9283225477	27	1491962
4496710E	CONCRETE	2002	DRACAEA AVE S/S, 56' E/O C/L ARBOR PARK LN	10752019	9500L	-117.273837821	33.9286214755	27	1491962
4496711E	CONCRETE	2002	ARBOR PARK LN E/S, 61' N/O C/L DRACAEA AVE	10752019	9500L	-117.273956067	33.9287729992	27	1491962
4496713E	CONCRETE	2002	SILVERBELL AVE S/S, 52' E/O C/L HONEYLOCUST A	10752019	9500L	-117.274840007	33.9298688714	27	1491962
4496714E	CONCRETE	2002	HONEYLOCUST AVE E/S, 40' N/O C/L SILVERBELL A	10752019	9500L	-117.274890239	33.9300251848	27	1491962
4496715E	CONCRETE	2002	SILVERBELL AVE S/S, 86' E/O C/L ACACIA AVE	10752019	9500L	-117.275491850	33.9299228967	27	1491962
4496716E	CONCRETE	2002	ACACIA AVE E/S, 43' N/O C/L SILVERBELL AVE	10752019	9500L	-117.275746423	33.9300570942	27	1491962
4496717E	CONCRETE	2002	ACACIA AVE W/S, 10' S/O C/L HONEYLOCUST AVE	10752019	9500L	-117.275889024	33.9305045659	27	1491962
4496720E	CONCRETE	2002	HONEYLOCUST AVE W/S, 218' E/O C/L SILVERBELL	10752019	9500L	-117.275016833	33.9304568559	27	1491962
4496721E	CONCRETE	2002	SILVERBELL AVE N/S, 48' W/O C/L ARBUR PARK LN	10752019	9500L	-117.274150004	33.9299075535	27	1491962
4496722E	CONCRETE	2002	ARBUR PARK LN E/S, 5' S/O C/L SILVERBELL AVE	10752019	9500L	-117.273928221	33.9298581182	27	1491962
4496723E	CONCRETE	2002	YELLOWWOOD ST E/S, 245' N/O C/L DRACAEA AV	10752019	9500L	-117.273378562	33.9292088306	27	1491962
4496724E	CONCRETE	2002	YELLOWWOOD ST N/S, 140' E/O C/L YELLOWWOOD	10752019	9500L	-117.273000904	33.9295205653	27	1491962
4508088E	CONCRETE	2003	HAWTHORNE AVE S/S; 320' W/O SNOWBELL LN	10752019	9500L	-117.273548749	33.9264117460	27	1491962
4508089E	CONCRETE	2003	HAWTHORNE AVE N/S; 136' W/O SNOWBELL LN	10752019	9500L	-117.272921845	33.9264538290	27	1491962
4508070E	CONCRETE	2003	WITCHHAZEL AVE N/S; 75' W/O GLORYBOWER ST	10752019	9500L	-117.273073294	33.9258411792	27	1491962
4508071E	CONCRETE	2003	WITCHHAZEL AVE S/S 45' E/O ARBOR PARK LN	10752019	9500L	-117.273571932	33.9257609331	27	1491962
4508075E	CONCRETE	2003	GLORYOWER ST W/S; 120' S/O WITCHHAZEL AVE	10752019	9500L	-117.272939672	33.9253912797	27	1491962
4508076E	CONCRETE	2003	GLORYOWER ST W/S; 45' S/O WITCHHAZEL AVE	10752019	9500L	-117.272899154	33.9256532065	27	1491962
4508087E	CONCRETE	2003	ARBOR PARK LN E/S; 79' S/O WITCHHAZEL AVE	10752019	9500L	-117.273744088	33.9255551480	27	1491962
4508001E	CONCRETE	2004	DRACAEA AVE N/S; 307' E/O PAGODA WY	10752019	9500L	-117.276302729	33.9277157694	27	1491962
4508002E	CONCRETE	2004	DRACAEA AVE S/S; 52' E/O PAGODA WY	10752019	9500L	-117.277188880	33.9278320909	27	1491962
4508003E	CONCRETE	2004	DRACAEA AVE N/S; 165' W/O PAGODA WY	10752019	9500L	-117.277746931	33.9279352391	27	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4508005E	CONCRETE	2003	DAY ST E/S; 155' N/O DRACAEA AVE	10752019	22000L	-117.278790806	33.9282932429	32	1491962
4508006E	CONCRETE	2003	DAY ST E/S; 375' N/O DRACAEA AVE	10752019	22000L	-117.278775242	33.9287630423	32	1491962
4508007E	CONCRETE	2003	DAY ST E/S; 587' N/O DRACAEA AVE	10752019	22000L	-117.278783500	33.9293578323	32	1491962
4508008E	CONCRETE	2003	DAY ST E/S 792' N/O DRACAEA AVE	10752019	22000L	-117.278807170	33.929255911	32	1491962
4508009E	CONCRETE	2003	DAY ST E/S 1007' N/O DRACAEA AVE	10752019	22000L	-117.278805704	33.9304604052	32	1491962
4508012E	CONCRETE	2004	SOURWOOD AVE W/S; 44' S/O WITCHHAZEL AVE	10752019	9500L	-117.276715520	33.9271776990	27	1491962
4508013E	CONCRETE	2004	SOURWOOD AVE E/S; 219' S/O WITCHHAZEL AVE	10752019	9500L	-117.276651918	33.9267280418	27	1491962
4508014E	CONCRETE	2004	SOURWOOD AVE W/S; 187' N/O GOLDENCHAIN S	10752019	9500L	-117.276783351	33.9262197806	27	1491962
4508015E	CONCRETE	2004	GOLDENCHAIN ST S/S; 15' E/O SOURWOOD AVE	10752019	9500L	-117.276731168	33.9256358972	27	1491962
4508016E	CONCRETE	2004	GOLDENCHAIN ST N/S; 160' W/O SOURWOOD AV	10752019	9500L	-117.277164506	33.9257022238	27	1491962
4508017E	CONCRETE	2004	GOLDENCHAIN ST N/S; 160' E/O COFFEETREE ST	10752019	9500L	-117.277631862	33.9256745218	27	1491962
4508018E	CONCRETE	2004	COFFEETREE ST W/S; 70' N/O GOLDENCHAIN ST	10752019	9500L	-117.278238391	33.9259107854	27	1491962
4508019E	CONCRETE	2004	COFFEE TREE ST E/S; 40' N/O MIMOSA LN	10752019	9500L	-117.278104870	33.9263173527	27	1491962
4508020E	CONCRETE	2004	MIMOSA LN S/S; 181' W/O COFFEE TREE ST	10752019	9500L	-117.277690183	33.9261748491	27	1491962
4508021E	CONCRETE	2004	MIMOSA LN E/S; 267' E/O COFFEE TREE ST	10752019	9500L	-117.277291542	33.9266387147	27	1491962
4508022E	CONCRETE	2004	MIMOSA LN S/S; 132' E/O COFFEETREE ST	10752019	9500L	-117.277699159	33.9267716032	27	1491962
4508023E	CONCRETE	2004	COFFEE TREE ST E/S; 156' S/O WITCHHAZEL AVE	10752019	9500L	-117.278096678	33.9270051933	27	1491962
4508024E	CONCRETE	2003	COFFEETREE ST W/S; 15' S/O WITCHHAZEL AVE	10752019	9500L	-117.278250109	33.9273438863	27	1491962
4508025E	CONCRETE	2003	WITCHHAZEL AVE S/S 67' E/O COFFEETREE ST	10752019	9500L	-117.277999631	33.9273753115	27	1491962
4508026E	CONCRETE	2003	DAY ST E/S; 232' S/O DRACAEA AVE	10752019	22000L	-117.278792873	33.9272066917	32	1491962
4508027E	CONCRETE	2003	DAY ST E/S; 423' S/O DRACAEA AVE	10752019	22000L	-117.278784688	33.9266794085	32	1491962
4508028E	CONCRETE	2003	DAY ST E/S; 580' S/O DRACAEA AVE	10752019	22000L	-117.278792295	33.9262693239	32	1491962
4508029E	CONCRETE	2003	DAY ST E/S; 739' S/O DRACAEA AVE	10752019	22000L	-117.278807161	33.9258346348	32	1491962
4508030E	CONCRETE	2003	DAY ST E/S; 873' S/O DRACAEA AVE	10752019	22000L	-117.278792141	33.9253572781	32	1491962
4486044E	CONCRETE	2004	ARBOR PARK LN W/S; 183' S/O REDWOOD LN	10752019	9500L	-117.274117922	33.9305108728	27	1491962
4472579E	CONCRETE	2005	MAIDENHAIR ST S/S; 148' W/O PEASHRUB AVE	10752019	9500L	-117.273628582	33.9271679042	27	1491962
4472580E	CONCRETE	2005	PEASHRUB AVE E/S; 42' N/O MAIDENHAIR ST	10752019	9500L	-117.273024346	33.9272260236	27	1491962
4472581E	CONCRETE	2005	PEASHRUB AVE W/S; 140' S/O LILAC CT	10752019	9500L	-117.273159922	33.9276551922	27	1491962
4472582E	CONCRETE	2005	PEASHRUB AVE E/S; 42' S/O LILAC CT	10752019	9500L	-117.272982235	33.9279727349	27	1491962
4472583E	CONCRETE	2005	LILAC CT N/S; 41' W/O PEASHRUB AVE	10752019	9500L	-117.273174688	33.9281533459	27	1491962
4472584E	CONCRETE	2005	LILAC CT S/S; 233' W/O PEASHRUB AVE	10752019	9500L	-117.273748716	33.9280298296	27	1491962
4524469E	CONCRETE	2012	DAY ST E/S; 62' S/O DRACAEA AVE	10752019	22000L	-117.278784895	33.9277344945	32	1491962
4508011E	CONCRETE	2003	PAGODA WY E/S; 45' N/O WITCHHAZEL AVE	10752019	9500L	-117.277244734	33.9275273634	27	1491962
2352093E	CONCRETE	1986	PAN AM BLVD, E/S, COR/O BREMEM ST	10752022	9500L	-117.264749705	33.9259468141	25	1491962
2352094E	CONCRETE	1986	AQUEDUCT WY, N/S, COR/O PAN AM BLVD	10752022	9500L	-117.264609988	33.9265078714	25	1491962
2352095E	CONCRETE	1986	PAN AM BLVD, W/S, COR/O SCRIBNER DR	10752022	9500L	-117.264282527	33.9270605501	25	1491962
2352096E	CONCRETE	1986	SCRIBNER DR, S/S, COR/O APPLEBY CT	10752022	9500L	-117.263416656	33.9267115325	25	1491962
4151574E	CONCRETE	1990	BREMEN ST. S/S, 124' W/O C/L PAN AM, MRNO V	10752022	9500L	-117.265333039	33.9259690895	25	1491962
4151575E	CONCRETE	1990	AQUEDUCT N/S, 273' E/O C/L PAN AM, MRNO VL	10752022	9500L	-117.263769430	33.9259937941	25	1491962
4151576E	CONCRETE	1990	AQUEDUCT N/S, 147' W/O C/L BAYWOOD, MRNO	10752022	9500L	-117.263164464	33.9256417492	25	1491962
4151587E	CONCRETE	1990	unset	10752022	9500L	-117.265232652	33.9271621586	25	1491962
2339267E	CONCRETE	1984	DRACAEA N/S 15' W/O KIOWA ST	10752022	9500L	-117.265332187	33.9280053008	25	1491962
2339288E	CONCRETE	1984	KIOWA ST W/S 265' N/O DRACAEA	10752022	9500L	-117.265338225	33.9285970586	25	1491962
2339291E	CONCRETE	1984	KIOWA ST W/S 455' S/O PAHUTE	10752022	9500L	-117.265340954	33.9297416523	25	1491962
2339293E	CONCRETE	1984	KIOWA ST W/S 75' S/O PAHUTE	10752022	9500L	-117.265379918	33.9307166392	25	1491962
4112062E	CONCRETE	1989	S/S LA JOLLA, 180' E/O BALBOA	10752022	9500L	-117.268757083	33.9284422717	25	1491962
4112063E	CONCRETE	1989	E/S BALBOA, 55' N/O LA JOLLA	10752022	9500L	-117.269366125	33.9285360479	25	1491962
4112064E	CONCRETE	1989	W/S BALBOA, 150' S/O WESTLAKE	10752022	9500L	-117.269475738	33.9292879293	25	1491962
4112065E	CONCRETE	1989	N/S WESTLAKE, 35' E/O BALBOA	10752022	9500L	-117.269346561	33.9296534476	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4112066E	CONCRETE	1989	W/S BALBOA, 290' N/O WESTLAKE	10752022	9500L	-117.269466976	33.9303286949	25	1491962
4112071E	CONCRETE	1989	E/S BRENTWOOD, 30' N/O LAGUNA	10752022	9500L	-117.266122846	33.9302986799	25	1491962
4112072E	CONCRETE	1989	W/S BRENTWOOD, 230' S/O LAGUNA	10752022	9500L	-117.266228019	33.9297231635	25	1491962
4112073E	CONCRETE	1989	E/S BRENTWOOD, 400' N/O DRACAEA	10752022	9500L	-117.266094225	33.9290936935	25	1491962
4112074E	CONCRETE	1989	S/S WESTLAKE, C/L OF PALISADE	10752022	9500L	-117.268702998	33.9294012731	25	1491962
4112075E	CONCRETE	1989	W/S PALISADE, 260' N/O WESTLAKE	10752022	9500L	-117.268605077	33.9302080258	25	1491962
4112076E	CONCRETE	1989	N/S LAGUNA, 220' E/O PALISADE	10752022	9500L	-117.267730676	33.9303353347	25	1491962
4112077E	CONCRETE	1989	S/S LAGUNA, 480' E/O PALISADE	10752022	9500L	-117.266947279	33.9302529722	25	1491962
4112078E	CONCRETE	1989	NORTH END OF MALIBU CT.	10752022	9500L	-117.267546215	33.9297513203	25	1491962
4112079E	CONCRETE	1989	E/S MALIBU, 250' N/O WESTLAKE	10752022	9500L	-117.267028500	33.9291975975	25	1491962
4112080E	CONCRETE	1989	N/S WESTLAKE, 180' W/O MALIBU	10752022	9500L	-117.268012445	33.9291147606	25	1491962
4112081E	CONCRETE	1989	S/S WESTLAKE, 40' E/O MALIBU	10752022	9500L	-117.267472405	33.9286824393	25	1491962
4112082E	CONCRETE	1989	N/S WESTLAKE, 410' E/O MALIBU	10752022	9500L	-117.266412128	33.9284643266	25	1491962
4112351E	CONCRETE	1989	N/S DRACAEA, 59' E/O BRENTWOOD	10752022	9500L	-117.266022551	33.9280101161	25	1491962
4112352E	CONCRETE	1989	N/S DRACAEA, 544' W/O BRENTWOOD	10752022	9500L	-117.267922745	33.9280069009	25	1491962
4112353E	CONCRETE	1989	N/S DRACAEA, 183' E/O ELSWORTH	10752022	9500L	-117.269472406	33.9280158311	25	1491962
4112354E	CONCRETE	1989	E/S ELSWORTH, 264' N/O DRACAEA	10752022	9500L	-117.269951886	33.9285684904	25	1491962
4112355E	CONCRETE	1989	E/S ELSWORTH, 668' N/O DRACAEA	10752022	9500L	-117.269963300	33.9297651197	25	1491962
2339265E	CONCRETE	1984	DRACAEA N/S 265' E/O PAN AM	10752022	9500L	-117.263326186	33.9280017454	25	1491962
2339266E	CONCRETE	1984	DRACAEA N/S 15' W/O PAN AM	10752022	9500L	-117.264287044	33.9279958820	25	1491962
2339270E	CONCRETE	1984	LAKOTA N/S 165' W/O TONIKAN	10752022	9500L	-117.263236816	33.9287262145	25	1491962
2339275E	CONCRETE	1984	PAN AM W/S 165' N/O DRACAEA	10752022	9500L	-117.264206245	33.9282988943	25	1491962
2339276E	CONCRETE	1984	PAN AM E/S 15' S/O LAKOTA	10752022	9500L	-117.263678547	33.9287780915	25	1491962
2339277E	CONCRETE	1984	PAN AM E/S 130' N/O LAKOTA	10752022	9500L	-117.263629942	33.9291863875	25	1491962
2339278E	CONCRETE	1984	PAN AM E/S 480' S/O PAHUTE	10752022	9500L	-117.263501824	33.9297619888	25	1491962
2339279E	CONCRETE	1984	PAN AM W/S 285' S/O PAHUTE	10752022	9500L	-117.263658952	33.9301697467	25	1491962
2339280E	CONCRETE	1984	PAN AN E/S 125' S/O PAHUTE	10752022	9500L	-117.263545432	33.9307165727	25	1491962
2339282E	CONCRETE	1984	LAKOTA W/S 110' N/O PAN AM	10752022	9500L	-117.264070808	33.9290532934	25	1491962
2339283E	CONCRETE	1984	LAKOTA W/S 255' N/O PAN AM	10752022	9500L	-117.264539999	33.9293541923	25	1491962
2339284E	CONCRETE	1984	LAKOTA W/S 440' S/O PAHUTE	10752022	9500L	-117.264507994	33.9299342159	25	1491962
2339285E	CONCRETE	1984	LAKOTA S/S 260' S/O PAHUTE	10752022	9500L	-117.264404122	33.9304245590	25	1491962
2339287E	CONCRETE	1984	KIOWA ST E/S 100' N/O DRACAEA	10752022	9500L	-117.265225402	33.9282793181	25	1491962
2339289E	CONCRETE	1984	KIOWA CT N/S 85' E/O KIOWA ST	10752022	9500L	-117.264860118	33.9287367213	25	1491962
2339290E	CONCRETE	1984	KIOWA ST 150' N/O KIOWA CT	10752022	9500L	-117.265238883	33.9290789436	25	1491962
2339292E	CONCRETE	1984	KIOWA ST E/S 280' S/O PAHUTE	10752022	9500L	-117.265264955	33.9302693223	25	1491962
4151579E	CONCRETE	1990	PAN AM W/S, 139' S/O C/L DRACAEA, MRNO VLY	10752022	9500L	-117.264282837	33.9276109648	25	1491962
4151583E	CONCRETE	1990	DRACAEA S/S, 264' W/O C/L PAN AM, MRNO VLY	10752022	9500L	-117.265003283	33.9279085577	25	1491962
4357887E	CONCRETE	1999	ELSWORTH ST. W/S, 510' S/O C/L EUCALYPTUS AV	10752022	22000L	-117.270017738	33.9305314586	32	1491960
4496701E	CONCRETE	2002	DRACAEA AVE N/S, 193' W/O C/L ESLWORTH ST	10752022	9500L	-117.270762058	33.9280781563	27	1491962
4496702E	CONCRETE	2002	DRACAEA AVE S/S, 394' W/O C/L ESLWORTH ST	10752022	9500L	-117.271154871	33.9280855999	27	1491962
4496703E	CONCRETE	2002	DRACAEA AVE N/S, 602' W/O C/L ESLWORTH ST	10752022	9500L	-117.271907553	33.9284773367	27	1491962
4496704E	CONCRETE	2002	DRACAEA AVE S/S, 317' E/O C/L YELLOWWOOD ST	10752022	9500L	-117.272427631	33.9285537707	27	1491962
4496725E	CONCRETE	2002	YELLOWWOOD ST W/S, 42' S/O C/L YELLOWWOOD	10752022	9500L	-117.272587907	33.9293342079	27	1491962
4496726E	CONCRETE	2002	YELLOWWOOD ST E/S, 209' S/O C/L YELLOWWOOD	10752022	9500L	-117.272502518	33.9289298771	27	1491962
4508051E	CONCRETE	2003	SNOWBELL LN E/S; 37' N/O HAWTHORN AVE	10752022	9500L	-117.272414807	33.9264047115	27	1491962
4508052E	CONCRETE	2003	HAWTHORNE AVE S/S; 79' E/O SNOWBELL LN	10752022	9500L	-117.272307750	33.9262227039	27	1491962
4508053E	CONCRETE	2003	HAWTHORNE AVE N/S; 251' E/O SNOWBELL LN	10752022	9500L	-117.271685948	33.9261608292	27	1491962
4508054E	CONCRETE	2003	HAWTHORNE AVE S/S; 462' E/O SNOWBELL LN	10752022	9500L	-117.271011012	33.9260163007	27	1491962
4508055E	CONCRETE	2003	WITCHHAZEL AVE E/S; 95' N/O FRINGE ST	10752022	9500L	-117.270460771	33.9259795496	27	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4508056E	CONCRETE	2003	FRINGE ST N/S; 68' W/O ELSWORTH ST	10752022	9500L	-117.270243041	33.9257158959	27	1491962
4508057E	CONCRETE	2003	ELSWORTH ST W/S; 66' N/O FRINGE ST	10752022	22000L	-117.270084585	33.9257628593	32	1491962
4508058E	CONCRETE	2003	ELSWORTH ST W/S; 205' N/O FRINGE ST	10752022	22000L	-117.270080744	33.9262176832	32	1491962
4508059E	CONCRETE	2003	ELSWORTH ST W/S; 52' S/O FRINGE ST	10752022	22000L	-117.270089100	33.9255520894	32	1491962
4508063E	CONCRETE	2003	HAWTHORNE AVE E/S; 90' S/O FRINGE ST	10752022	9500L	-117.270458424	33.9253831567	27	1491962
4508067E	CONCRETE	2003	WITCHHAZEL AVE W/S; 185' N/O BLACK GUM ST	10752022	9500L	-117.271425370	33.9252902133	27	1491962
4508068E	CONCRETE	2003	WITCHHAZEL AVE N/S; 288' E/O GLORYBOWER ST	10752022	9500L	-117.272031915	33.9255476864	27	1491962
4508069E	CONCRETE	2003	WITCHHAZEL AVE S/S; 118' E/O GLORYBOWER ST	10752022	9500L	-117.272474045	33.9255867373	27	1491962
4472576E	CONCRETE	2005	SNOWBELL LN W/S; 80' S/O DRACAEA AVE	10752022	9500L	-117.272162343	33.9282400555	27	1491962
4472577E	CONCRETE	2005	SNOWBELL LN E/S; 200' S/O DRACAEA AVE	10752022	9500L	-117.272096831	33.9279215591	27	1491962
4472578E	CONCRETE	2005	MAIDENHAIR ST N/S; 48' W/O SNOWBELL LN	10752022	9500L	-117.272357464	33.9270402243	27	1491962
4472585E	CONCRETE	2005	MAIDENHAIR ST S/S, 148' W/O SASSAFRAS ST	10752022	9500L	-117.271833940	33.9267674117	27	1491962
4472586E	CONCRETE	2005	SASSAFRAS ST E/S 41' N/O MAIDENHAIR ST	10752022	9500L	-117.271293602	33.9268562410	27	1491962
4472587E	CONCRETE	2005	SASSAFRAS ST W/S 236' N/O MAIDENHAIR ST	10752022	9500L	-117.271388409	33.9273752860	27	1491962
4472588E	CONCRETE	2005	SASSAFRAS ST N/S; 400' N/O MAIDENHAIR ST	10752022	9500L	-117.271042959	33.9275873358	27	1491962
4472589E	CONCRETE	2005	SASSAFRAS ST E/S; 50' N/O LARCH ST	10752022	9500L	-117.270534242	33.9272652327	27	1491962
4472590E	CONCRETE	2005	MAIDENHAIR ST S/S, 23' W/O CRABAPPLE ST	10752022	9500L	-117.270688373	33.9267130093	27	1491962
4472591E	CONCRETE	2005	LARCH ST N/S; 63' W/O ELSWORTH ST	10752022	9500L	-117.270190545	33.9271945785	27	1491962
4472592E	CONCRETE	2005	ELSWORTH ST W/S; 123' S/O LARCH ST	10752022	9500L	-117.270074850	33.9267974812	27	1491962
4472593E	CONCRETE	2005	ELSWORTH ST W/S; 60' N/O LARCH ST	10752022	9500L	-117.270080550	33.9272832252	27	1491962
4472594E	CONCRETE	2005	ELSWORTH ST W/S; 62' S/O DRACAEA AVE	10752022	9500L	-117.270075884	33.9278551284	27	1491962
4472595E	CONCRETE	2005	ELSWORTH ST W/S; 59' N/O DRACAEA AVE	10752022	9500L	-117.270099773	33.9281203665	27	1491962
4472596E	CONCRETE	2005	ELSWORTH ST W/S; 305' N/O DRACAEA AVE	10752022	9500L	-117.270079411	33.9289546551	27	1491962
4472597E	CONCRETE	2005	ELSWORTH ST W/S; 561' N/O DRACAEA AVE	10752022	9500L	-117.270059302	33.9294664911	27	1491962
2352097E	CONCRETE	1986	OAK DEL ST, E/S, COR/O SCRIBMER DR	10752025	9500L	-117.261765988	33.9261221641	25	1491962
4151577E	CONCRETE	1990	OAK DELL W/S, 149' S/O C/L SCRIBNER, MRNO VL	10752025	9500L	-117.261865813	33.9257896307	25	1491962
4151580E	CONCRETE	1990	APPLEBY E/S, 188' N/O C/L SCRIBNER, MRNO VLY	10752025	9500L	-117.262721782	33.9271261525	25	1491962
4151581E	CONCRETE	1990	SCRIBNER N/S, 240' W/O C/L OAK DELL, MRNO VL	10752025	9500L	-117.262591217	33.9263209410	25	1491962
4151582E	CONCRETE	1990	OAK DELL E/S, 270' N/O C/L SCRIBNER, MRNO VL	10752025	9500L	-117.261778701	33.9268243471	25	1491962
2286921E	CONCRETE	1984	DRACAEA N/S 160 W/O ALEXIS	10752025	9500L	-117.256770692	33.9282171687	25	1491962
2286922E	CONCRETE	1984	DRACAEA N/S 340 W/O ALEXIS	10752025	9500L	-117.257548779	33.9282359969	25	1491962
2286923E	CONCRETE	1984	DRACAEA N/S 120 E/O ADELIN	10752025	9500L	-117.257999980	33.9282363386	25	1491962
2286924E	CONCRETE	1984	DRACAEA N/S COR/O ADELIN	10752025	9500L	-117.258573925	33.9282266894	25	1491962
2286925E	CONCRETE	1984	ADELIN W/S 85 N/O DRACAEA	10752025	9500L	-117.258760567	33.9284861086	25	1491962
2286926E	CONCRETE	1984	ADELIN W/S COR/O SHIDAY	10752025	9500L	-117.258795439	33.9289650895	25	1491962
2286927E	CONCRETE	1984	SHIDAY CT N/S E/O ADELIN	10752025	9500L	-117.258292145	33.9290198508	25	1491962
2286928E	CONCRETE	1984	SHIDAY CT 270 E/O ADELIN	10752025	9500L	-117.257695373	33.9289265632	25	1491962
2286929E	CONCRETE	1984	SHIDAY CT N/S 420 E/O ADELIN	10752025	9500L	-117.256814725	33.9289715034	25	1491962
2286930E	CONCRETE	1984	DENVER CT 420 E/O ADELIN	10752025	9500L	-117.257096315	33.9297289862	25	1491962
2286931E	CONCRETE	1984	DENVER CT 270 E/O ADELIN	10752025	9500L	-117.257799805	33.9296379798	25	1491962
2286932E	CONCRETE	1984	DENVER CT N/S 70 E/O ADELIN	10752025	9500L	-117.258462271	33.9297206792	25	1491962
2286933E	CONCRETE	1984	ADELIN AVE W/S COR/O DENVER CT	10752025	9500L	-117.258784544	33.9296831307	25	1491962
2309397E	CONCRETE	1985	ADELIN AVE, W/S, COR/O MELINDA CT	10752025	9500L	-117.258847171	33.9303931694	25	1491962
2309398E	CONCRETE	1985	MELINDA CT, N/S, 105' E/O ADELIN AVE	10752025	9500L	-117.258175025	33.9304675851	25	1491962
2309399E	CONCRETE	1985	MELINDA CT, S/S, 320' E/O ADELIN AVE	10752025	9500L	-117.257479712	33.9303530225	25	1491962
2309400E	CONCRETE	1986	MELINDA CT, END CUL-DE-SAC E/O ADELIN AVE	10752025	9500L	-117.256963990	33.9304393513	25	1491962
2327242E	CONCRETE	1985	KOCHI DR, E/S, 100' N/O DRACAEA AVE	10752025	9500L	-117.259672769	33.9285069060	25	1491962
2327243E	CONCRETE	1985	BAGATELLE ST, S/S, 100' W/O KOCHI DR	10752025	9500L	-117.260127042	33.9288925643	25	1491962
2328382E	CONCRETE	1985	KOCHI DR E/S 320' N/O BAGATELLE	10752025	9500L	-117.259661912	33.9297255503	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2328383E	CONCRETE	1985	KOCHI DR, W/S, 175' N/O BAGATELLE ST	10752025	9500L	-117.259797647	33.9293350127	25	1491962
2328385E	CONCRETE	1985	BAGATELLE ST W/S W/O KOCHI DR	10752025	9500L	-117.260698428	33.9288920372	25	1491962
2328386E	CONCRETE	1985	KOCHI DR, E/S, COR/O BAGATELLE ST	10752025	9500L	-117.259672437	33.9289296289	25	1491962
2339257E	CONCRETE	1984	OAKDELL E/S 85' N/O DRACAEA	10752025	9500L	-117.261751804	33.9281978265	25	1491962
2339258E	CONCRETE	1984	OAKDELL E/S @ LAKOTA	10752025	9500L	-117.261763274	33.9286596501	25	1491962
2339259E	CONCRETE	1984	OAKDELL W/S 150' N/O LAKOTA	10752025	9500L	-117.261905725	33.9290332067	25	1491962
2339260E	CONCRETE	1984	OAKDELL W/S 295' N/O LAKOTA	10752025	9500L	-117.261936829	33.9294696477	25	1491962
2339261E	CONCRETE	1984	OAKDELL E/S 370' S/O PAHUTE	10752025	9500L	-117.261861020	33.9300859362	25	1491962
2339262E	CONCRETE	1984	OAKDELL W/S 175' S/O PAHUTE	10752025	9500L	-117.262016897	33.9306352778	25	1491962
2339264E	CONCRETE	1984	DRACAEA N/S 15' W/O OAKDELL	10752025	9500L	-117.261881486	33.9279903183	25	1491962
2339268E	CONCRETE	1984	LAKOTA S/S 95' W/O OAKDELL	10752025	9500L	-117.262183545	33.9286340195	25	1491962
2339269E	CONCRETE	1984	LAKOTA S/S @ TONIKAN	10752025	9500L	-117.262650317	33.9286315731	25	1491962
2339271E	CONCRETE	1984	TONIKAN W/S 130' N/O LAKOTA	10752025	9500L	-117.262712543	33.9289331704	25	1491962
2339272E	CONCRETE	1984	TONIKAN E/S 315' N/O LAKOTA	10752025	9500L	-117.262642675	33.9294859915	25	1491962
2339273E	CONCRETE	1984	TONIKAN W/S 325' S/O PAHUTE	10752025	9500L	-117.262822552	33.9302790576	25	1491962
2339274E	CONCRETE	1984	TONIKAN E/S 150' S/O PAHUTE	10752025	9500L	-117.262710179	33.9307232283	25	1491962
2339903E	CONCRETE	1985	BAGATELLE ST, W/S, 490' W/O KOCHI DR	10752025	9500L	-117.260759031	33.9292733766	25	1491962
2339909E	CONCRETE	1985	FREDERICK AVE, E/S, 570' N/O DRACAEA AVE	10752025	9500L	-117.261299547	33.9296968225	29	1491962
2339931E	CONCRETE	1985	DRACAEA AVE, N/W COR/O KOCHI AVE	10752025	9500L	-117.259807512	33.9282242674	25	1491962
2339932E	CONCRETE	1985	KOCHI DR, W/S, 170' S/O BAGATELLE ST	10752025	9500L	-117.259807038	33.9301996344	25	1491962
2339937E	CONCRETE	1985	FREDERICK AVE, E/S, 130' N/O DRACAEA	10752025	9500L	-117.261240723	33.9284757584	29	1491962
2339943E	CONCRETE	1985	DRACAEA AVE, N/S, 240' W/O KOCHI AVE	10752025	9500L	-117.260479913	33.9282160879	25	1491962
2339944E	CONCRETE	1985	BAGATELLE ST, W/S, 160' E/O FREDERICK AVE	10752025	9500L	-117.260723368	33.9299623898	25	1491962
2339948E	CONCRETE	1985	BAGATELLE ST, E/S, 750' S/O EUCALYPTUS AVE	10752025	9500L	-117.260612789	33.9304448843	25	1491962
2339949E	CONCRETE	1985	DRACAEA AVE, N/E COR/O KOCHI DR	10752025	9500L	-117.259654263	33.9282212318	25	1491962
4151584E	CONCRETE	1990	DRACAEA S/S, 262' W/O C/L OAK DELL, MRNO VL	10752025	9500L	-117.262707614	33.9279100309	25	1491962
4151585E	CONCRETE	1990	OAK DELL W/S, 194' S/O C/L DRACAEA, MRNO VL	10752025	9500L	-117.261897621	33.9275335771	25	1491962
2207383E	CONCRETE	1983	TIERRA CANYON CT E/S 10 N/O LA MESA LN	10752025	9500L	-117.254212820	33.9305144374	30	1491962
2207385E	CONCRETE	1983	PAVILLION CT E/S 140 W/S BLUEGUM ST	10752025	9500L	-117.253214079	33.9304120652	30	1491962
2207386E	CONCRETE	1983	PAVILLION CT W/S 340 N/O BLUEGUM ST	10752025	9500L	-117.253361871	33.9309044551	30	1491962
2224939E	CONCRETE	1981	C/O OF ALEXIS AND DRACIA AVE	10752025	9500L	-117.256201200	33.9282436732	25	1491962
2224940EE	CONCRETE	1981	DRACIA AVE N/S 120'E/O ALEXIS	10752025	9500L	-117.255628725	33.9282331471	25	1491962
2224941E	CONCRETE	1981	DRACIA AVE N/S 370'E/O ALEXIS AVE	10752025	9500L	-117.255073210	33.9282282601	25	1491962
2224942E	CONCRETE	1981	ALEXIS AVE E/S 305' N/O DRACIA AVE	10752025	9500L	-117.256306555	33.9291456395	25	1491962
2224943E	CONCRETE	1981	PARKLANE CT N/S 165' E/O ALEXIS AVE	10752025	9500L	-117.255681148	33.9289654369	25	1491962
2224944E	CONCRETE	1981	PAKLANE CT N/S 405' E/O ALEXIS AVE	10752025	9500L	-117.254915794	33.9289435561	25	1491962
2224945E	CONCRETE	1981	ALEXIS AVE E/S 20' N/O S/L/O VIDA COURT	10752025	9500L	-117.256285867	33.9297243438	25	1491962
2224946E	CONCRETE	1981	VIDA COURT N/S 160' E/O ALEXIS AVE	10752025	9500L	-117.255721020	33.9297172163	25	1491962
2224947E	CONCRETE	1981	VIDA COURT N/S 400' E/O ALEXIS AVE	10752025	9500L	-117.255122930	33.9296829486	25	1491962
2245609E	CONCRETE	1981	DRACEA AV. N/S 50' W/O PAVILION	10752025	9500L	-117.253501921	33.9282395768	30	1491962
2245610E	CONCRETE	1981	DRACEA AV. N/S 260' W/O PAVILION	10752025	9500L	-117.254159569	33.9282226585	25	1491962
2245611E	CONCRETE	1981	DRACEA AV. N/S 440' W/O PAVILION	10752025	9500L	-117.254708440	33.9282243398	25	1491962
2245612E	CONCRETE	1981	PAVILION CT. W/S 50' S/O TIERRA CANYON	10752025	9500L	-117.253354518	33.9288395525	25	1491962
2245613E	CONCRETE	1981	TIERRA CANYON N/S 150' W/O PAVILION CT.	10752025	9500L	-117.253793611	33.9290555188	25	1491962
2245614E	CONCRETE	1981	TIERRA CANYON S/S 320' W/O PAVILION CT.	10752025	9500L	-117.254293281	33.9289539840	25	1491962
2245615E	CONCRETE	1981	TIERRA CANYON E/S 260' W/O PAVILION CT.	10752025	9500L	-117.254235491	33.9294571090	25	1491962
2245616E	CONCRETE	1981	TIERRA CANYON E/S 260' W/O PAVILION	10752025	9500L	-117.254195061	33.9299055122	25	1491962
2245617E	CONCRETE	1981	PAVILION CT. E/S 140' N/O TIERRA CANYON	10752025	9500L	-117.253353985	33.9293896036	25	1491962
2245618E	CONCRETE	1981	PAVILION CT. W/S 10' N/O BLUE GUM	10752025	9500L	-117.253367942	33.9299102898	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4057913E	CONCRETE	1988	ALEXIS W/S, 155' N/O LA MESA LN	10752025	9500L	-117.256404872	33.9307512597	25	1491962
4057914E	CONCRETE	1988	ALEXIS E/S, 30' S/O LA MESA LN	10752025	9500L	-117.256299768	33.9303349494	25	1491962
4057915E	CONCRETE	1988	LA MESA LN N/S, 135' E/O ALEXIS	10752025	9500L	-117.255845944	33.9304501681	25	1491962
4057916E	CONCRETE	1988	LA MESA LN S/S, 290' E/O ALEXIS	10752025	9500L	-117.255435200	33.9303661372	25	1491962
4057917E	CONCRETE	1988	LA MESA LN N/S, 510' E/O ALEXIS	10752025	9500L	-117.254926351	33.9304517812	25	1491962
4002034E	CONCRETE	1987	E/S FREDRICK, 250' N/O 4002033E	10752025	22000L	-117.261221384	33.9258040892	29	1491960
4065702E	CONCRETE	1987	E/S FREDRICK, 300'S/O DRACEA	10752025	22000L	-117.261218415	33.9267580263	29	1491960
2327239E	CONCRETE	1985	FREDERICK AVE, E/S, 310' S/O EUCALYPTUS AVE	10752025	22000L	-117.261342693	33.9306684430	29	1491960
2339251E	CONCRETE	1984	FREDERICK W/S 425' N/O DRACAEA	10752025	22000L	-117.261392898	33.9293396469	29	1491960
2339252E	CONCRETE	1984	FREDERICK W/S 415' S/O EUCALYPTUS	10752025	22000L	-117.261449859	33.9303902712	29	1491960
4002036E	CONCRETE	1987	E/S FREDRICK, 338' N/O 4002035E	10752025	22000L	-117.261218756	33.9276373928	29	1491960
2245619E	CONCRETE	1981	PAVILION CT. W/S 60' N/O BLUE GUM	10752025	22000L	-117.253377531	33.9301518585	30	1491960
2182010E	CONCRETE	1979	SUNFLOWER CT E/S 250' N/O SUNCREST	10752028	9500L	-117.251736773	33.9257612199	25	1491962
2182015E	CONCRETE	1979	SUN SWEPT CT W/S 200' N/O SUNSREST AVE	10752028	9500L	-117.250856908	33.9256573918	30	1491962
2182016E	CONCRETE	1979	SUNCREST CT END OF STREET-N/O SUNCREST	10752028	9500L	-117.250777566	33.9260366729	30	1491962
2203932E	CONCRETE	1957	E/S LARKHAVEN DR	10752028	9500L	-117.248541666	33.9271434461	30	1491962
2203933E	CONCRETE	1957	LARKHAVEN DR E/S 680' S/O DRACAEA AVE	10752028	9500L	-117.248691078	33.9265587504	29	1491962
2203934E	CONCRETE	1957	LARKHAVEN DR S/S 375' E/O FIELDCREST CT	10752028	9500L	-117.248637036	33.9258889913	29	1491962
2203935E	CONCRETE	1980	S/S LARKHAVEN DR E/O FIELDCREST	10752028	9500L	-117.249269238	33.9258587608	25	1491962
2203936E	CONCRETE	1980	E/S FIELDCREST CT N/O LARKHAVEN DR	10752028	9500L	-117.249654441	33.9269875514	25	1491962
2203938E	CONCRETE	1980	W/S FIELDCREST N/O LARKHAVEN DR	10752028	9500L	-117.249873548	33.9264751063	25	1491962
2203939E	CONCRETE	1980	W/S FIELDCREST C/O LARKHAVEN	10752028	9500L	-117.249894952	33.9258891921	25	1491962
2206676E	CONCRETE	1980	SUNFIELD DR E/S 510' S/O DRACAEA	10752028	9500L	-117.250755335	33.9268876674	25	1491962
2206677E	CONCRETE	1980	SUNFIELD DR S/S 155' E/O SUNFLOWER	10752028	9500L	-117.251344536	33.9267908066	25	1491962
2206678E	CONCRETE	1980	SUNFLOWER CT W/S C/L OF SUNFIELD DR EXT	10752028	9500L	-117.251902474	33.9268101593	25	1491962
2206679E	CONCRETE	1980	SUNFLOWER CT W/S 185' N/O SUNFIELD DR	10752028	9500L	-117.251879394	33.9273066178	25	1491962
2206683E	CONCRETE	1980	SUNFLOWER CT W/S 150' S/O SUNFIELD	10752028	9500L	-117.251858331	33.9264576949	25	1491962
2225540E	CONCRETE	1981	RUNNING DEER W/S 100' S/O BAMBI CT.	10752028	9500L	-117.246634047	33.9266092048	25	1491962
2225543E	CONCRETE	1981	RUNNING DEER E/S 50' N/O BAMBI CT.	10752028	9500L	-117.246867671	33.9269585603	25	1491962
2225544E	CONCRETE	1981	REINDEER ST. W/S 175' W/O RUNNING DEER	10752028	9500L	-117.247721903	33.9268865159	25	1491962
2225675E	CONCRETE	1981	REINDEER ST. W/S 70' S/O ANTLER CT.	10752028	9500L	-117.247129171	33.9258645982	25	1491962
2225676E	CONCRETE	1981	END/O ANTLER CT. 150' W/O REINDEER	10752028	9500L	-117.247701672	33.9258815793	25	1491962
2225677E	CONCRETE	1981	REINDEER ST. W/S 150' N/O ANTLER CT.	10752028	9500L	-117.247605156	33.9264036964	25	1491962
2225533E	CONCRETE	1981	DEER PARK DR. E/S 40' N/O DOE CT.	10752028	9500L	-117.245683322	33.9268848819	25	1491962
2225534E	CONCRETE	1981	DEER FERN S/S 205' E/O DEER PARK DR.	10752028	9500L	-117.244884160	33.9274054467	25	1491962
2225535E	CONCRETE	1981	E/S COR/O RUNNING HORSE DR. & DEER FERN AV	10752028	9500L	-117.244384367	33.9274871948	25	1491962
2225536E	CONCRETE	1981	DEER PARK DR. E/S 40' N/O DEER FERN AV.	10752028	9500L	-117.245571102	33.9275453148	25	1491962
2225538E	CONCRETE	1981	RUNNING DEER W/S 110' S/O DEER PARK DR.	10752028	9500L	-117.246107222	33.9260955672	25	1491962
2225539E	CONCRETE	1981	RUNNING DEER E/S 40' N/O DEER PARK DR.	10752028	9500L	-117.246279184	33.9264186974	25	1491962
2225660E	CONCRETE	1981	RUNNING DEER E/S 60' N/O RUNNING HORSE	10752028	9500L	-117.245770594	33.9258727586	25	1491962
2225661E	CONCRETE	1981	RUNNING HORSE N/S 220' E/O RUNNING DEER	10752028	9500L	-117.245060051	33.9259213966	25	1491962
2225662E	CONCRETE	1981	RUNNING HORSE E/S 170' S/O FAWN	10752028	9500L	-117.244313686	33.9259441060	25	1491962
2225663E	CONCRETE	1981	NNING HORSE E/S 60' N/O FAWN	10752028	9500L	-117.244318805	33.9265379644	25	1491962
2225664E	CONCRETE	1981	RUNNING HORSE W/S 240' N/O FAWN ST.	10752028	9500L	-117.244463766	33.9269596204	25	1491962
2225670E	CONCRETE	1981	RUNNING DEER W/S 200' N/O SUNCREST	10752028	9500L	-117.245806521	33.9257216474	25	1491962
2225678E	CONCRETE	1981	CSSF PARK DR. E/S 40' N/O RUNNING DEER	10752028	9500L	-117.246103559	33.9263328356	25	1491962
2225679E	CONCRETE	1981	END/O DOE CT. 190' E/O DEER PARK DR.	10752028	9500L	-117.245199409	33.9266205574	25	1491962
2301762E	CONCRETE	1984	HAREWOOD W/S 60 N/O FAWN	10752028	9500L	-117.243287268	33.9265008057	25	1491962
2301763E	CONCRETE	1984	HAREWOOD N/S COR/O AYLEBURY	10752028	9500L	-117.243245108	33.9270640362	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
3000248E	CONCRETE	1983	HARWOOD DR E/S 20 N/O ROTHBURY	10752028	9500L	-117.243137065	33.9257404007	30	1491962
3000249E	CONCRETE	1983	FAWN ST S/S E/O HARWOOD DR	10752028	9500L	-117.243125321	33.9263272391	30	1491962
2203901E	CONCRETE	1981	RUNNING DEER E/S 150' S/O ELYCE CT.	10752028	9500L	-117.247549289	33.9309644075	25	1491962
2203928E	CONCRETE	1980	DRACAEA AV S/S 395 W/O LARKHAVEN	10752028	9500L	-117.249905072	33.9281301708	25	1491962
2203929E	CONCRETE	1980	DRACAEA AV S/S 155 W/O LAKEHAVEN DR	10752028	9500L	-117.249103909	33.9281394155	25	1491962
2203930E	CONCRETE	1980	DRACAEA AV S/S 50 E/O LAKEHAVEN DR	10752028	9500L	-117.248523313	33.9281456209	25	1491962
2203931E	CONCRETE	1980	LARKHAVEN DR E/S 190 S/O DRACAEA AV	10752028	9500L	-117.248542352	33.9276623306	25	1491962
2203937E	CONCRETE	1980	N E/O FIELDCREST CT E/O SUNFIELD DR	10752028	9500L	-117.249714628	33.9274111265	25	1491962
2206672E	CONCRETE	1980	DRACECA AV S/S 325' E/O GRAHAM	10752028	9500L	-117.251460859	33.9281362074	25	1491962
2206673E	CONCRETE	1980	DRACAEA AV S/S 45' E/O SUNFIELD	10752028	9500L	-117.250684555	33.9281373628	25	1491962
2206674E	CONCRETE	1980	SUNFIELD DR W/S 151' S/O DRACAEA	10752028	9500L	-117.250876757	33.9277638294	25	1491962
2206675E	CONCRETE	1980	SUNFIELD DR. W/S 341' S/S DRACAEA	10752028	9500L	-117.250888360	33.9272066536	25	1491962
2206681E	CONCRETE	1980	GRAHAM ST E/S 343' S/O DRACAEA	10752028	9500L	-117.252435650	33.9272454618	25	1491962
2225545E	CONCRETE	1981	RUNNING DEER W/S 40' N/O REINDEER ST.	10752028	9500L	-117.247405789	33.9273103621	25	1491962
2225546E	CONCRETE	1981	RUNNING DEER E/S 210' N/O REINDEER	10752028	9500L	-117.247527084	33.9278412416	25	1491962
2225549E	CONCRETE	1993	DRACAEA AVE S/S APRX 300' E/O RUNNING DEER	10752028	9500L	-117.246606733	33.9281513426	25	1491962
2226084E	CONCRETE	1981	DRACEA ST N/S 55'W/O LARKHAVEN	10752028	9500L	-117.248763774	33.9282372933	25	1491962
2226085E	CONCRETE	1981	LARKHAVEN W/S 150' N/O DRACEA	10752028	9500L	-117.248676983	33.9284863304	25	1491962
2226086E	CONCRETE	1981	LARKHAVEN E/S 10' S/O WHITEOWL CT	10752028	9500L	-117.248522692	33.9290321457	25	1491962
2226087E	CONCRETE	1981	WHITEOWL S/S 210' W/O LARKHAVEN	10752028	9500L	-117.249566936	33.9290029177	25	1491962
2226088E	CONCRETE	1981	WHITEOWL N/S 410' W/O LARKHAVEN	10752028	9500L	-117.250454200	33.9290836601	25	1491962
2226089E	CONCRETE	1981	LARKHAVEN W/S 145' W/O WHITEOWL	10752028	9500L	-117.248646995	33.9294829877	25	1491962
2226090E	CONCRETE	1981	LARKHAVEN E/S 15' S/O GOLD FINCH	10752028	9500L	-117.248556121	33.9298234113	25	1491962
2226091E	CONCRETE	1981	GOLD FINCH N/S 100'E/O LAKEHAVEN	10752028	9500L	-117.248958758	33.9298975341	25	1491962
2226092E	CONCRETE	1981	GOLD FINCH N/S 300'E/O LARKHAVEN	10752028	9500L	-117.249599259	33.9298815612	25	1491962
2226093E	CONCRETE	1981	GOLD FINCH W/S 630' S/O EUCALYPTUS	10752028	9500L	-117.249838954	33.9300227919	25	1491962
2226094E	CONCRETE	1981	GOLD FINCH E/S 430' S/O EUCALYPTUS	10752028	9500L	-117.249760886	33.9305238285	25	1491962
2226095E	CONCRETE	1981	GOLD FINCH E/S 210' S/O LARKHAVEN	10752028	9500L	-117.249767881	33.9309539977	25	1491962
2226096E	CONCRETE	1981	LARKHAVEN E/S 145' N/O GOLD FINCH	10752028	9500L	-117.248548280	33.9301862848	25	1491962
2226097E	CONCRETE	1981	LARKHAVEN E/S 345' N/O GOLD FINCH	10752028	9500L	-117.248569456	33.9308242687	25	1491962
2245642E	CONCRETE	1981	RUNNING DEER W/S 10' N/O WOLCOTT DR.	10752028	9500L	-117.247674907	33.9290203485	25	1491962
2245643E	CONCRETE	1981	WOLCOTT DR. N/S 175' E/O RUNNING DEER	10752028	9500L	-117.247053816	33.9289962891	25	1491962
2245646E	CONCRETE	1981	CUSHENBURYDR. N/S 170' E/O RUNNING DEER	10752028	9500L	-117.247037364	33.9297358160	25	1491962
2245647E	CONCRETE	1981	RUNNING DEER W/S 10' N/O CUSHENBURY	10752028	9500L	-117.247695286	33.9296600188	25	1491962
2245648E	CONCRETE	1981	RUNNING DEER W/S 10' N/O HUTTON CT.	10752028	9500L	-117.247677267	33.9304617007	25	1491962
2245649E	CONCRETE	1981	HUTTON CT. N/S 170' E/O RUNNING DEER	10752028	9500L	-117.247096232	33.9304751136	25	1491962
2272971E	CONCRETE	1983	W/S SUNLIT CT 135 N/O BLUEGUM	10752028	9500L	-117.251914462	33.9303836675	30	1491962
2272972E	CONCRETE	1983	E/S SUNLIT CT 290 N/O BLUEGUM	10752028	9500L	-117.251752741	33.9308030456	30	1491962
2272974E	CONCRETE	1983	W/S SUNBIRD 492 S/O EUCALYPTUS	10752028	9500L	-117.250919214	33.9303726483	30	1491962
2272975E	CONCRETE	1983	E/S SUNBIRD 300 S/O EUCALYPTUS	10752028	9500L	-117.250762184	33.9307318066	30	1491962
2289212E	CONCRETE	1983	GRAHAM ST E/S 20 N/O DRACAEA	10752028	9500L	-117.252525730	33.9282721650	30	1491962
2289214E	CONCRETE	1983	SUNLIT CT E/S 120 N/O DRACAEA AV	10752028	9500L	-117.251745460	33.9285756926	30	1491962
2289215E	CONCRETE	1983	SUNLIT CT W/S AT SUNBIRD EXT	10752028	9500L	-117.251866655	33.9289941967	30	1491962
2289216E	CONCRETE	1983	SUNLIT CT W/S 140 N/O SUNBIRD	10752028	9500L	-117.251851357	33.9293017866	30	1491962
2289217E	CONCRETE	1983	SUNLIT CT E/S AT BLUEGUM	10752028	9500L	-117.251720744	33.9299880772	30	1491962
2289218E	CONCRETE	1983	SUNBIRD CT N/S 150 E/O SUNLIT	10752028	9500L	-117.251342716	33.9290684701	30	1491962
2289219E	CONCRETE	1983	SUNBIRD DR S/S 280 E/O SUNLIT CT	10752028	9500L	-117.251005602	33.9289687778	30	1491962
2289220E	CONCRETE	1983	SUNBIRD DR W/S 180 S/O BLUEGUM DR	10752028	9500L	-117.250915122	33.9294386148	30	1491962
2289221E	CONCRETE	1983	SUNBIRD DR E/S 300 E/O BLUEGUM	10752028	9500L	-117.250766151	33.9296673513	30	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2225541E	CONCRETE	1981	BAMBI CT. E/S 140' N/O RUNNING DEER	10752028	9500L	-117.246583930	33.9271728270	25	1491962
2225542E	CONCRETE	1981	BAMBI CT. W/S 195' N/O RUNNING DEER	10752028	9500L	-117.246623962	33.9274259800	25	1491962
2245639E	CONCRETE	1981	DRACEA AV. N/S 400' E/O RUNNING DEER	10752028	9500L	-117.246279376	33.9282336291	30	1491962
2245644E	CONCRETE	1981	WOLCOTT DR. E/S 225' S/O CUSHENBURY DR.	10752028	9500L	-117.246341369	33.9289727707	25	1491962
2245645E	CONCRETE	1981	CUSENBURY DR. N/S 10' W/O WOLCOTT	10752028	9500L	-117.246294495	33.9296414805	25	1491962
2245650E	CONCRETE	1981	HUTTON CT. 400' E/O RUNNING DEER	10752028	9500L	-117.246516262	33.9304392542	25	1491962
2206680E	CONCRETE	1980	GRAHAM ST E/S 135' S/O DRACAEA	10752028	22000L	-117.252428181	33.9278537608	25	1491960
2206682E	CONCRETE	1980	GRAHAM ST E/S 523' S/O DRACAEA	10752028	22000L	-117.252408573	33.9267226916	25	1491960
2225655E	CONCRETE	1981	HEACOCKW/S 70' S/O FAWN	10752028	22000L	-117.243799949	33.9261763754	30	1491960
2225656E	CONCRETE	1981	HEACOCK ST. W/S 120' N/O FAWN ST.	10752028	22000L	-117.243679710	33.9267021632	30	1491960
2225547E	CONCRETE	1981	DRAECA AV. S/S 145' W/O RUNNING DEER	10752028	22000L	-117.248062198	33.9281411508	30	1491960
2225548E	CONCRETE	1981	DRAECA AV. S/S 40' E/O RUNNING DEER	10752028	22000L	-117.247513164	33.9281473856	30	1491960
2245621E	CONCRETE	1981	GRAHAM AV. W/S 180' N/O DRACEA	10752028	22000L	-117.252532458	33.9286827692	30	1491960
2245640E	CONCRETE	1981	DRACEA N/S 170' E/O RUNNING DEER	10752028	22000L	-117.246890614	33.9282344228	30	1491960
2245641E	CONCRETE	1981	DRACEA AV. N/S 60' W/O RUNNING DEER	10752028	22000L	-117.247790343	33.9282307049	30	1491960
2245758E	CONCRETE	1983	GRAHAM ST W/S 195 W/O BLUEGUM ST	10752028	22000L	-117.252558741	33.9305415239	30	1491960
2225550E	CONCRETE	1982	E/S VIA PLAYA DEL REY ACROSS FROM VIA EL BRA	10752028	22000L	-117.245726962	33.9281322988	25	1491960
2228285E	CONCRETE	1986	HEACOCK ST, W/S, 332' N/O DRACAEA AVE	10752028	22000L	-117.243825888	33.9290738643	29	1491960
2228287E	CONCRETE	1986	HEACOCK ST, W/S, 472' N/O ATWOOD AVE	10752028	22000L	-117.243848513	33.9310522549	29	1491960
2245002E	CONCRETE	1981	DRACEA AV. S/S 40' E/O DEER PARK DR.	10752028	22000L	-117.245504458	33.9281383737	30	1491960
2245003E	CONCRETE	1981	DRACEA AV. S/S 260' E/O DEER PARK DR.	10752028	22000L	-117.244826399	33.9281432412	25	1491960
2245005E	CONCRETE	1981	HEACOCK ST. W/S 415' S/O DRACEA	10752028	22000L	-117.243807817	33.9270498576	30	1491960
2358499E	CONCRETE	1986	HEACOCK ST W/S, 60' S/O ATWOOD	10752028	22000L	-117.243822002	33.9299121690	29	1491960
4513569E	CONCRETE	2007	S/E C/O ATWOOD AV & HEACOCK ST	10752028	9500L	-117.243696460	33.9299605902	27	1491962
4513570E	CONCRETE	2007	HEACOCK ST E/S, 483' N/O C/L DRACAEA AV	10752028	22000L	-117.243693708	33.9295051021	32	1491962
4513571E	CONCRETE	2007	HEACOCK ST E/S, 200' N/O C/L DRACAEA AV	10752028	22000L	-117.243672958	33.9287377361	32	1491962
4710831E	CONCRETE	2009	HEACOCK E/S 30' N/O ATWOOD	10752028	22000L	-117.243693063	33.9300694498	32	1491960
2245620E	CONCRETE	1981	GRAHAM AV. W/S 245' S/O BLUE GUM	10752028	22000L	-117.252545344	33.9292882002	30	1491960
1944045E	CONCRETE	1971	DILBECK DR A ST W/S 125' N/O SYKES DR	10752031	5800L	-117.238653273	33.9259103970	25	1491962
1944046E	CONCRETE	1971	DILBECK DR W/S 204' S/O WEILL ST	10752031	5800L	-117.237715757	33.9261189597	25	1491962
1944047E	CONCRETE	1971	DELBECK DR W/S AT WEILL ST	10752031	5800L	-117.238283002	33.9263673430	25	1491962
1944049E	CONCRETE	1971	MARILYN ST S/S 90' E/O DILBECK DR	10752031	9500L	-117.237614024	33.9268360332	25	1491962
2289108E	CONCRETE	1983	ONEDIA 200 N/O SIKES	10752031	9500L	-117.236694935	33.9260774138	30	1491962
2293609E	CONCRETE	1983	FAWN ST S/S 635 W/O CAVENDISH	10752031	9500L	-117.242082422	33.9262837032	30	1491962
2293620E	CONCRETE	1983	CAVENDISH E/S AT FAWN ST	10752031	9500L	-117.239718134	33.9261287561	30	1491962
2293621E	CONCRETE	1983	FAWN ST S/S 170 W/O CAVENDISH	10752031	9500L	-117.240296459	33.9262271812	30	1491962
2293622E	CONCRETE	1983	FAWN ST S/S 340 W/O CAVENDISH	10752031	9500L	-117.240895007	33.9262852619	30	1491962
2293623E	CONCRETE	1983	FAWN ST S/S 545 W/O CAVENDISH	10752031	9500L	-117.241545842	33.9262903547	30	1491962
2299105E	CONCRETE	1984	HELMSDALE CT E/S 180 N/O FAWN ST	10752031	9500L	-117.241114080	33.9267962325	25	1491962
2299106E	CONCRETE	1984	HELMSDALE ST E/S 60 S/O RADWELL DR	10752031	9500L	-117.241071391	33.9273255513	25	1491962
2299113E	CONCRETE	1984	RADWELL DR S/S 340 E/O HELMSDALE ST	10752031	9500L	-117.240006505	33.9274954600	25	1491962
2299114E	CONCRETE	1984	RADWELL DR S/S 100 W/O CAVENDISH LN	10752031	9500L	-117.239273763	33.9274204830	25	1491962
2299115E	CONCRETE	1984	CAVENDISH LN E/S 40 N/O RADWELL DR	10752031	9500L	-117.238776896	33.9273960167	25	1491962
2299116E	CONCRETE	1984	CAVENDISH LN E/S 150 S/O RADWELL DR	10752031	9500L	-117.239053656	33.9270104359	25	1491962
2299117E	CONCRETE	1984	CAVENDISH LN E/S 150 N/O FAWN ST	10752031	9500L	-117.239412667	33.9265051830	25	1491962
2299118E	CONCRETE	1984	HOLBECK CT E/S 110 N/O FAWN ST	10752031	9500L	-117.240254471	33.9265980629	25	1491962
2301764E	CONCRETE	1984	AYLESBURY S/S 140 E/O HAREWOOD	10752031	9500L	-117.242768777	33.9270172903	25	1491962
2301766E	CONCRETE	1984	AYLESBURY S/S COR/O HOLBECK CT	10752031	9500L	-117.241986582	33.9269330018	25	1491962
2301767E	CONCRETE	1984	AYLESBURY S/S 60 E/O HELMSDALE	10752031	9500L	-117.241385314	33.9269279466	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2301768E	CONCRETE	1984	FAWN ST N/S COR/O HELMSDALE	10752031	9500L	-117.241256415	33.9264026114	25	1491962
2301772E	CONCRETE	1984	FAWN ST N/S 190 E/O HAREWOOD	10752031	9500L	-117.242574944	33.9263797702	25	1491962
2342060E	CONCRETE	1983	ONEDIA NW/S 160' W/O INDIAN	10752031	9500L	-117.235681083	33.9259798137	25	1491962
2225190E	CONCRETE	1984	RADWELL RD S/S 140 E/O HELMSDALE ST	10752031	9500L	-117.240654347	33.9274979174	25	1491962
2299107E	CONCRETE	1984	HELMSDALE ST E/S 80 S/O DRACAEA	10752031	9500L	-117.241093834	33.9279635488	25	1491962
2301765E	CONCRETE	1984	HOLBECK CT E/S 110 N/O AYLESBURY	10752031	9500L	-117.241897065	33.9272638617	25	1491962
2301769E	CONCRETE	1984	HELMSDALE W/S COR/O RADELL	10752031	9500L	-117.241219119	33.9275153868	25	1491962
2347629E	CONCRETE	1988	ATWOOD AVE N/S, 2250' E/O HEACOCK	10752031	9500L	-117.236305946	33.9300630056	25	1491962
2299108E	CONCRETE	1984	DRACAEA S/S 150 E/O HELMSDALE	10752031	22000L	-117.240744523	33.9281295492	30	1491960
2299109E	CONCRETE	1984	DRACAEA AV S/S 300 E/O HELMSDALE	10752031	22000L	-117.240138395	33.9281306068	30	1491960
2299110E	CONCRETE	1984	DRACAEA AV S/S 500 E/O HELMSDALE	10752031	22000L	-117.239500286	33.9281590924	30	1491960
2299111E	CONCRETE	1984	DRACAEA AV S/S 700 E/O HELMSDALE	10752031	22000L	-117.238791795	33.9281534546	30	1491960
2299112E	CONCRETE	1984	DRACAEA AV S/S 900 E/O HELMSDALE	10752031	22000L	-117.238181076	33.9281654058	30	1491960
2301770E	CONCRETE	1984	HELMSDALE E/S COR/O DRACAEA	10752031	22000L	-117.241089237	33.9281285991	25	1491960
2301771E	CONCRETE	1984	DRACAEA S/S 170 W/O HELMSDALE	10752031	22000L	-117.241746952	33.9281225835	25	1491960
4733410E	CONCRETE	2008	DRACAEA AVE N/S 71' E/O SUNNYMEAD STORM C	10752031	9500L	-117.237317609	33.9281448854	27	1491962
4408516E	CONCRETE	2003	110' N/O C/L ATWOOD AVE. W/S OF "NEW STREE	10752031	9500L	-117.241002502	33.9303285294	27	1491962
4408517E	CONCRETE	2003	290' N/O C/L ATWOOD AVE. W/S OF "NEW STREE	10752031	9500L	-117.241018773	33.9308236178	27	1491962
4513566E	CONCRETE	2007	S/W C/O ATWOOD AV & HELMSDALE ST	10752031	9500L	-117.241249250	33.9299548392	27	1491962
4513567E	CONCRETE	2007	ATWOOD AV S/S, 516' E/O C/L HEACOCK ST	10752031	9500L	-117.242035976	33.9299615578	27	1491962
4513568E	CONCRETE	2007	ATWOOD AV S/S, 296' E/O C/L HEACOCK ST	10752031	9500L	-117.242786522	33.9299604229	27	1491962
4513565E	CONCRETE	2007	HELMSDALE ST E/S, 229' S/O C/L ATWOOD AV	10752031	9500L	-117.241111156	33.9292483918	27	1491962
4513574E	CONCRETE	2007	DRACAEA AV N/S, 332' E/O C/L HEACOCK ST	10752031	9500L	-117.242627946	33.9282295301	27	1491962
4733411E	CONCRETE	2008	DRACAEA AV N/S E/O C/L OF PRIVATE DRIVE	10752031	9500L	-117.235998299	33.9282683390	27	1491962
1944048E	CONCRETE	2010	DILBECK DR AT MARILYN ST	10752031	5800L	-117.237865841	33.9269931025	25	1491962
1944050E	CONCRETE	1971	END OF DILBECK DR N/O MARILYN ST	10752031	5800L	-117.237559594	33.9272037289	25	1491962
1964254E	CONCRETE	1971	MYRNA STREET N/S, AT CL/O JO ANN STREET EXT	10752034	5800L	-117.232454000	33.9260643507	25	1491962
1964255E	CONCRETE	1971	MYRNA STREET N/S, AT CL/O LEOTA COURT EXTD	10752034	5800L	-117.231622976	33.9260834743	25	1491962
1964256E	CONCRETE	1971	MYRNA STREET N/S, AT CL/O CORA PLACE EXTD.	10752034	5800L	-117.230836078	33.9260838713	25	1491962
1990744E	CONCRETE	1972	N/E COR/O MORENO WAY & MYRNA STREET EXT	10752034	5800L	-117.230066997	33.9262640499	25	1491962
2040051E	CONCRETE	1974	DRACEA AVENUE N/S, 30' W/O BENCLIFF AVENUE	10752034	5800L	-117.223744381	33.9282637952	25	1491962
2040052E	CONCRETE	1974	BENCLIFF AVENUE W/S, 130' N/O DRACEA AVENU	10752034	5800L	-117.223716020	33.9285954132	25	1491962
2040054E	CONCRETE	1974	BENCLIFF AVENUE W/S, 80' S/O ATWOOD AVENU	10752034	5800L	-117.223743598	33.9297832375	25	1491962
2040055E	CONCRETE	1974	ATWOOD AVENUE S/S, 40' E/O BENCLIFF AVENUE	10752034	5800L	-117.223582481	33.9300023140	25	1491962
2040056E	CONCRETE	1974	ATWOOD AVENUE S/S, 150' W/O BENCLIFF AVENU	10752034	5800L	-117.224190620	33.9299928203	25	1491962
4003005E	WOOD	1987	S/E COR/O PERRIS BL & ATWOOD AVE	10752034	22000L	-117.226255867	33.9299604880	40	1491960
4057720E	CONCRETE	1989	PERRIS BLVD. W/S, 60' S/O ATWOOD AVENUE	10752034	22000L	-117.226414444	33.9299164827	25	1491960
4057721E	CONCRETE	1989	PERRIS BLVD. W/S, 250' S/O ATWOOD AVENUE	10752034	22000L	-117.226377322	33.9293462900	25	1491960
4057722E	CONCRETE	1989	PERRIS BLVD. W/S, 425' S/O ATWOOD AVENUE	10752034	22000L	-117.226359952	33.9288595776	25	1491960
4299529E	WOOD	1995	DRACAEA S/S 329; E/O MORENO WAY	10752034	9500L	-117.229293189	33.9281567053	35	1491962
4299530E	WOOD	1995	DRACAEA S/S 520' E/O MORENO WAY	10752034	9500L	-117.228614463	33.9281544767	35	1491962
4299531E	WOOD	1995	DRACAEA S/S 370' W/O PERRIS BL	10752034	9500L	-117.227593418	33.9281696102	35	1491962
4299532E	WOOD	1995	DRACAEA S/S 150' W/O PERRIS BL	10752034	9500L	-117.226795480	33.9281517365	35	1491962
4529610E	WOOD	2005	DRACAEA S/S 90' E/O MORENO WAY	10752034	9500L	-117.229875611	33.9281534787	35	1491962
2040053E	CONCRETE	1974	BENCLIFF AVENUE E/S, 270' S/O ATWOOD AVENU	10752034	5800L	-117.223611338	33.9292856412	25	1491962
2339885E	CONCRETE	1986	TERRY CT. W/S, 30' S/O STEFFY CIR	10752037	9500L	-117.219358659	33.9290347473	25	1491962
2150655E	CONCRETE	1980	W/S SILVER LN 660' N/O COTTONWOOD AVE	10752037	9500L	-117.219392624	33.9263179298	25	1491962
2150657E	CONCRETE	1980	N/S SILVER LN 350' N/O GOLD PLACE	10752037	9500L	-117.219318169	33.9272546565	25	1491962
2150658E	CONCRETE	1980	N/S SILVER LN 300' S/O DRACAEA AVE	10752037	9500L	-117.218600657	33.9272701010	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2150659E	CONCRETE	1980	S/S SILVER LN 200' S/O DRACEA AVE	10752037	9500L	-117.218392478	33.9271650727	25	1491962
2150664E	CONCRETE	1980	S/S GOLD PLACE 115' E/O SILVER LN	10752037	9500L	-117.218892405	33.9265151067	25	1491962
2150665E	CONCRETE	1980	N/S GOLD PLACE 270' E/O SILVER LN	10752037	9500L	-117.218495465	33.9266076768	25	1491962
2150671E	CONCRETE	1980	KITCHING W/S, 770' N/O COTTONWOOD, MRNO	10752037	9500L	-117.217722025	33.9266226400	25	1491962
2358296E	CONCRETE	1987	RAENETTE WY W/S, 195' N/O FOXGLOVE WY	10752037	9500L	-117.215057091	33.9273035678	25	1491962
2358297E	CONCRETE	1987	FOXGLOVE WY S/S, 20' W/O RAENETTE WY	10752037	9500L	-117.215026603	33.9268207335	25	1491962
2358298E	CONCRETE	1987	FOXGLOVE WY S/S, 180' E/O RAENETTE WY	10752037	9500L	-117.214549737	33.9267613251	25	1491962
2358299E	CONCRETE	1987	FOXGLOVE WY S/S, 15' W/O PEPPERBUSH DR	10752037	9500L	-117.213601845	33.9267469868	25	1491962
2358300E	CONCRETE	1987	PEPPERBUSH DR W/S, 45' S/O BEEJA CT	10752037	9500L	-117.213681221	33.9273140472	25	1491962
2150637E	CONCRETE	1979	N/S RIVENDELL TERRACE 200' E/O SHIREBOURN D	10752037	9500L	-117.220863644	33.9313744230	25	1491962
2150638E	CONCRETE	1979	N/S RIVENDELL TERRACE @ THIRTLE BROOK DR	10752037	9500L	-117.220307464	33.9312989602	25	1491962
2150639E	CONCRETE	1979	W/S THIRTLE BROOK DR 220' S/O RIVENDELL TERR	10752037	9500L	-117.220362830	33.9307462285	25	1491962
2150640E	CONCRETE	1979	E/S THIRTLE BROOK DR 300' S/O RIVENDELL TERR	10752037	9500L	-117.220244222	33.9304631677	25	1491962
2150641E	CONCRETE	1979	W/S THIRTLE BROOK DR 450' S/O RIVENDELL TERR	10752037	9500L	-117.220386206	33.9301754471	25	1491962
2150642E	CONCRETE	1979	S/S THIRTLE BROOK RD 300' E/O SHIREBOURN RD	10752037	9500L	-117.220624210	33.9290404504	25	1491962
2150643E	CONCRETE	1979	N/S THIRTLE BROOK DR 150' E/O SHIREBOURN RD	10752037	9500L	-117.221086231	33.9291667797	25	1491962
2150644E	CONCRETE	1979	E/S SHIREBOURN RD 100' N/O DRACEA AVE	10752037	9500L	-117.221460983	33.9285159449	25	1491962
2150645E	CONCRETE	1979	N/S DRACEA AVE 120' E/O SHIREBOURN RD	10752037	9500L	-117.221169334	33.9282532473	25	1491962
2150646E	CONCRETE	1979	N/S DRACEA AVE 400' E/O SHIREBOURN RD	10752037	9500L	-117.220343717	33.9282671440	25	1491962
2150647E	CONCRETE	1979	N/S DRACEA AVE 210' W/O TERRY CT	10752037	9500L	-117.219991576	33.9282664549	25	1491962
2150648E	CONCRETE	1979	N/S DRACEA AVE 15' W/O SHIREBOURN RD	10752037	9500L	-117.221564402	33.9282754656	25	1491962
2150649E	CONCRETE	1979	W/S SHIREBOURN RD @ THIRTLE BROOK DR	10752037	9500L	-117.221612301	33.9291221249	25	1491962
2150650E	CONCRETE	1979	E/S SHIREBOURN RD 150' N/O THIRTLE BROOK DR	10752037	9500L	-117.221465166	33.9295432413	25	1491962
2150651E	CONCRETE	1979	W/S SHIREBOURN RD 400' N/O THIRTLE BROOK DR	10752037	9500L	-117.221565508	33.9300839173	25	1491962
2150652E	CONCRETE	1979	E/S SHIREBOURN RD 200' S/O RIVENDELL TERRAC	10752037	9500L	-117.221453226	33.9305668253	25	1491962
2150653E	CONCRETE	1979	W/S SHIREBOURN RD @ RIVENDELL TERRACE	10752037	9500L	-117.221645485	33.9310511566	25	1491962
2150660E	CONCRETE	1980	W/S SILVER LN 107' S/O DRACEA AVE	10752037	9500L	-117.218453345	33.9276667946	25	1491962
2150661E	CONCRETE	1980	S/S DRACEA 117' W/O SILVER LN	10752037	9500L	-117.218829811	33.9281757197	25	1491962
2150662E	CONCRETE	1980	S/S DRACEA AVE 360' W/O SILVER LN	10752037	9500L	-117.219582690	33.9281789536	25	1491962
2150663E	CONCRETE	1980	S/S DRACEA AVE 30' E/O SILVER LN	10752037	9500L	-117.218298419	33.9281653161	25	1491962
2150672E	CONCRETE	1980	KITCHING W/S, 970' N/O COTTONWOOD AVE	10752037	9500L	-117.217709926	33.9271237214	25	1491962
2150673E	CONCRETE	1980	W/S KITCHING ST 30' S/O DRACEA AVE	10752037	9500L	-117.217734546	33.9281208299	25	1491962
2327051E	CONCRETE	1987	KITCHING ST, E/S, 630' N/O DRACAEA AVE	10752037	9500L	-117.217597055	33.9297053029	25	1491962
2327052E	CONCRETE	1987	SWEETFERN ST, E/S, 350' N/O FERNBUSH ST	10752037	9500L	-117.216959843	33.9300646327	25	1491962
2327053E	CONCRETE	1987	SWEETFERN ST, E/S, 155' N/O FERNBUSH ST	10752037	9500L	-117.216954767	33.9294520424	25	1491962
2327054E	CONCRETE	1987	SWEETFERN ST, W/S, COR/O FERNBUSH ST	10752037	9500L	-117.217072520	33.9291124198	25	1491962
2327056E	CONCRETE	1987	SWEETFERN ST, W/S, 105' N/O DRACAEA AVE	10752037	9500L	-117.217050434	33.9285251740	25	1491962
2327057E	CONCRETE	1987	DRACAEA AVE, N/S, COR/O SWEETFERN ST	10752037	9500L	-117.216983943	33.9282673487	25	1491962
2339881E	CONCRETE	1986	STEFFY CIR, W/S, 290' E/O TERRY CT	10752037	9500L	-117.218332053	33.9294875061	25	1491962
2339882E	CONCRETE	1986	STEFFY CIR, S/S, 350' E/O TERRY CT	10752037	9500L	-117.218317756	33.9290477762	25	1491962
2339883E	CONCRETE	1986	STEFFY CIR, N/S, 160' E/O TERRY CT	10752037	9500L	-117.218750152	33.9291467120	25	1491962
2339884E	CONCRETE	1986	TERRY CT, E/S, 190' N/O STEFFY CIR	10752037	9500L	-117.219262620	33.9295161247	25	1491962
2339886E	CONCRETE	1986	TERRY CT, N/E COR/O DRACAEA AVE	10752037	9500L	-117.219248338	33.9282876402	25	1491962
4063521E	CONCRETE	1990	EAST SIDE OF KITCHING 300' S/O EUCALYPTUS	10752037	9500L	-117.217623519	33.9309875390	25	1491962
4114688E	CONCRETE	1990	SWEETFERN ST 100' N/O ATWOOD AVE	10752037	9500L	-117.216957018	33.9304107238	25	1491962
4114689E	CONCRETE	1990	SWEETFERN ST 300' N/O ATWOOD AVE	10752037	9500L	-117.216960130	33.9308786569	25	1491962
4114690E	CONCRETE	1990	END OF SWEETFERN ST 450' N/O ATWOOD AVE	10752037	9500L	-117.217016767	33.9314116354	25	1491962
2327055E	CONCRETE	1987	FERNBUSH ST, N/S, 95' E/O SWEETFERN ST	10752037	9500L	-117.216692288	33.9291774698	25	1491962
2327058E	CONCRETE	1987	DRACAEA AVE, N/S, 160' E/O SWEETFERN ST	10752037	9500L	-117.216444609	33.9282778387	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2327059E	CONCRETE	1987	DRACAEA AVE, N/S, 345' E/O SWEETFERN ST	10752037	9500L	-117.215857698	33.9282703093	25	1491962
2327060E	CONCRETE	1987	FERNBUSH ST, S/S, COR/O SWEETSPICE	10752037	9500L	-117.216021364	33.9290602922	25	1491962
2327061E	CONCRETE	1987	SWEETSPICE ST, W/S, 155' N/O FERNBUSH ST	10752037	9500L	-117.216030771	33.9294498918	25	1491962
2327062E	CONCRETE	1987	SWEETSPICE ST, W/S, 345' N/O FERNBUSH ST	10752037	9500L	-117.216033831	33.9298327516	25	1491962
2344760E	CONCRETE	1987	RAENETTE WY W/S, 535' N/O DRACAEA AVE	10752037	9500L	-117.215023573	33.9296898595	25	1491962
2344761E	CONCRETE	1987	RAENETTE WY E/S, 45' N/O MOONSEED DR	10752037	9500L	-117.214890714	33.9291288282	25	1491962
2344762E	CONCRETE	1987	RAENETTE WY E/S, 135' N/O DRACAEA AVE	10752037	9500L	-117.214899576	33.9285961513	25	1491962
2344763E	CONCRETE	1987	DRACAEA AVE N/S, 46' W/O RAENETTE WY	10752037	9500L	-117.215120150	33.9282761257	25	1491962
2344764E	CONCRETE	1987	MOONSEED DR S/S, 95' E/O RAENETTE WY	10752037	9500L	-117.214512505	33.9289719562	25	1491962
2344765E	CONCRETE	1987	MOONSEED DR S/S, 38' E/O OILNUT CT	10752037	9500L	-117.214077965	33.9289804119	25	1491962
2344767E	CONCRETE	1987	PEPPERBUSH DR E/S, 110' N/O DRACAEA AVE	10752037	9500L	-117.213467430	33.9285518123	25	1491962
2358294E	CONCRETE	1987	DRACAEA AVE S/S, 170' E/O RAENETTE WY	10752037	9500L	-117.214371335	33.9281753872	25	1491962
2358295E	CONCRETE	1987	RAENETTE WY E/S, 135' S/O DRACAEA AVE	10752037	9500L	-117.214888601	33.9278709907	25	1491962
2358377E	CONCRETE	1987	BEEJA CT N/S, 155' W/O PEPPERBUSH DR	10752037	9500L	-117.214197817	33.9274545726	25	1491962
2358378E	CONCRETE	1987	PEPPERBUSH DR E/S, 160' S/O DRACAEA AVE	10752037	9500L	-117.213526536	33.9274889459	25	1491962
2362111E	CONCRETE	1987	RAENETTE WY, W/S, 170' S/O EUCALYPTUS AVE	10752037	9500L	-117.214901168	33.9313998388	25	1491962
2362112E	CONCRETE	1987	RAENETTE WY, E/S, 151' N/O BENDER DR	10752037	9500L	-117.214900124	33.9308592388	25	1491962
2362113E	CONCRETE	1987	RAENETTE WY, W/S, COR/O BENDER DR	10752037	9500L	-117.215015324	33.9304427317	25	1491962
2362114E	CONCRETE	1987	BENDER DR, N/S, 100' E/O RAENETTE WY	10752037	9500L	-117.214560888	33.9305113871	25	1491962
2362115E	CONCRETE	1987	BENDER DR, S/S, 370' E/O RAENETTE WY	10752037	9500L	-117.213984780	33.9304320366	25	1491962
2362116E	CONCRETE	1987	BENDER DR, E/S, 355' S/O EUCALYPTUS AVE	10752037	9500L	-117.213765635	33.9308397585	25	1491962
2362117E	CONCRETE	1987	BENDER DR, W/S, 175' S/O EUCALYPTUS AVE	10752037	9500L	-117.213908694	33.9312657234	25	1491962
4114691E	CONCRETE	1990	SWEETSPICE ST 75' S/O EUCALYPTUS AVE	10752037	9500L	-117.215904452	33.9315296331	25	1491962
4114692E	CONCRETE	1990	SWEETSPICE ST 300' S/O EUCALYPTUS AVE	10752037	9500L	-117.216043012	33.9309228441	25	1491962
4114693E	CONCRETE	1990	SWEETSPICE ST 550' S/O EUCALYPTUS AVE	10752037	9500L	-117.216062912	33.9302919430	25	1491962
2344766E	CONCRETE	1987	OILNUT CT W/S, 235' N/O MOONSEED DR	10752037	9500L	-117.214078103	33.9296772143	25	1491962
2339879E	CONCRETE	1986	KITCHING ST, W/S, 555' N/O DRACAEA AVE	10752037	22000L	-117.217721969	33.9294732395	29	1491960
2339880E	CONCRETE	1986	KITCHING ST, W/S, 145' N/O DRACAEA AVE	10752037	22000L	-117.217724112	33.9286317555	29	1491960
4299126E	CONCRETE	1997	DRACAEA AV N/S 48' W/O PEPPERBUSH	10752037	9500L	-117.213620302	33.9282555712	25	1491962
4643632E	CONCRETE	2006	PATRICIA E/S, 623' S/O DRACAEA AVE	10752037	9500L	-117.221950769	33.9264455551	27	1491962
4643633E	CONCRETE	2006	PATRICIA E/S, 484' S/O DRACAEA AVE	10752037	9500L	-117.221976900	33.9268412102	27	1491962
4643634E	CONCRETE	2006	PATRICIA E/S, 344' S/O DRACAEA AVE	10752037	9500L	-117.221993514	33.9272293303	27	1491962
4643635E	CONCRETE	2006	PATRICIA E/S, 204' S/O DRACAEA AVE	10752037	9500L	-117.222016335	33.9276173275	27	1491962
4643636E	CONCRETE	2006	PATRICIA E/S, 47' S/O DRACAEA AVE	10752037	9500L	-117.222009741	33.9280676035	27	1491962
4643637E	CONCRETE	2006	DRACAEA AVE S/S, 40' E/O SHIREBOURN RD	10752037	9500L	-117.221418902	33.9281712337	27	1491962
4643638E	CONCRETE	2006	DRACAEA AVE S/S, 187' W/O KYLE DR	10752037	9500L	-117.220781605	33.9281929205	27	1491962
4643639E	CONCRETE	2006	KYLE DR W/S, 47' S/O DRACAEA DR	10752037	9500L	-117.220256694	33.9280611655	27	1491962
4643640E	CONCRETE	2006	KYLE DR E/S, 111' S/O HENRY CT	10752037	9500L	-117.220055135	33.9264520187	27	1491962
4643641E	CONCRETE	2006	HENRY CT N/S, 175' W/O KYLE DR	10752037	9500L	-117.220709042	33.9267931077	27	1491962
4643643E	CONCRETE	2006	KYLE DR W/S, 43' N/O HENRY CT	10752037	9500L	-117.220205539	33.9268301838	27	1491962
4643644E	CONCRETE	2006	KYLE DR E/S, 110' S/O CHARITY CT	10752037	9500L	-117.220098968	33.9273643836	27	1491962
4643645E	CONCRETE	2006	CHARITY CT N/S, 45' W/O KYLE DR	10752037	9500L	-117.220361128	33.9276373916	27	1491962
4643646E	CONCRETE	2006	CHARITY CT S/S, 173' W/O KYLE DR	10752037	9500L	-117.220817899	33.9275179572	27	1491962
4643647E	CONCRETE	2006	KYLE DR E/S, 100' N/O CHARITY CT	10752037	9500L	-117.220123854	33.9278295195	27	1491962
4710694E	CONCRETE	2008	CHARITY CT N/S, 235' W/O C/L KYLE DR	10752037	9500L	-117.221126098	33.9276009030	27	1491962
4643642E	CONCRETE	2006	HENRY CT ON CUL-DE-SAC, 293' W/O KYLE DR	10752037	9500L	-117.221120408	33.9267585008	27	1491962
2358380E	CONCRETE	1987	CORRIANDER ST W/S, C/L JIM DR	10752040	9500L	-117.211715212	33.9264396700	25	1491962
2358381E	CONCRETE	1987	CORRIANDER ST W/S, 185' N/O JIM DR	10752040	9500L	-117.211730474	33.9268847474	25	1491962
2358382E	CONCRETE	1987	CORRIANDER ST E/S, 360' N/O JIM DR	10752040	9500L	-117.211616781	33.9272987803	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2358383E	CONCRETE	1987	CORRIANDER ST N/S, 105' E/O NINEBARK ST	10752040	9500L	-117.212083720	33.9274467717	25	1491962
2358384E	CONCRETE	1987	NINEBARK ST E/S, 230' S/O CORRIANDER ST	10752040	9500L	-117.212531810	33.9268446658	25	1491962
2358385E	CONCRETE	1987	NINEBARK ST W/S, CL/O CORRIANDER ST	10752040	9500L	-117.212552188	33.9274008358	25	1491962
4001904E	CONCRETE	1987	NINEBARK ST W/S, 360' N/O ANISE ST	10752040	9500L	-117.212699003	33.9263123491	25	1491962
4232682E	CONCRETE	1992	LASSELLE ST E/S 435' S/O DRACAEA	10752040	9500L	-117.208851044	33.9272061806	25	1491962
2358003E	CONCRETE	1987	BURNEY PASS DR W/S, 155' S/O CAPAY BAY	10752040	9500L	-117.204153396	33.9264762434	25	1491962
2358004E	CONCRETE	1987	CAPAY BAY CT S/S, 150' E/O BURNEY PASS	10752040	9500L	-117.203654430	33.9266859405	25	1491962
2358005E	CONCRETE	1987	BURNEY PASS DR E/S, 45' N/O CAPAY BAY CT	10752040	9500L	-117.204036362	33.9268586647	25	1491962
2361904E	CONCRETE	1988	ALTURAS CREEK DR S/S, 170' E/O BURNEY PASS D	10752040	9500L	-117.203504742	33.9274192981	25	1491962
2361905E	CONCRETE	1988	BURNEY PASS DR W/S, 210' N/O CAPAY BAY	10752040	9500L	-117.204132457	33.9274482041	25	1491962
4165888E	CONCRETE	1990	LAKEPORT DR. W/S, 225' N/O C/L FERNDAL E CT.,	10752040	9500L	-117.206119573	33.9265858604	25	1491962
4165889E	CONCRETE	1990	LAKEPORT DR. E/S, @ CAPAY BAY DR., MRNO VLY	10752040	9500L	-117.205499589	33.9268937429	25	1491962
4165890E	CONCRETE	1990	N/E C/O CAPAY BAY DR. & NELS CIRCLE, MRNO VI	10752040	9500L	-117.204959079	33.9269066205	25	1491962
4165891E	CONCRETE	1990	NELS CIRCLE W/S, 180' N/O C/L CAPAY BAY DR., M	10752040	9500L	-117.205111346	33.9273043754	25	1491962
2344769E	CONCRETE	1987	PEPPERBUSH DR E/S, 30' N/O MOONSEED DR	10752040	9500L	-117.213265394	33.9290839573	25	1491962
2344770E	CONCRETE	1987	PEPPERBUSH DR W/S, 220' N/O MOONSEED DR	10752040	9500L	-117.213146413	33.9295865318	25	1491962
2344771E	CONCRETE	1987	PEPPERBUSH DR E/S, 440' N/O MOONSEED DR	10752040	9500L	-117.212789525	33.9300292511	25	1491962
2344772E	CONCRETE	1987	PEPPERBUSH DR W/S, 480' S/O EUCALYPTUS AVE	10752040	9500L	-117.212895819	33.9304752165	25	1491962
2344773E	CONCRETE	1987	PEPPERBUSH DR E/S, 300' S/O EUCALYPTUS AVE	10752040	9500L	-117.212772454	33.9309540138	25	1491962
2344774E	CONCRETE	1987	PEPPERBUSH DR W/S, 105' S/O EUCALYPTUS AVE	10752040	9500L	-117.212879256	33.9314812791	25	1491962
2352217E	CONCRETE	1986	LASSELLE ST, E/S, COR/O UTE DR	10752040	9500L	-117.208841021	33.9301787172	29	1491962
2352220E	CONCRETE	1986	MOHICAN DR, E/S, 40' N/O UTE DR	10752040	9500L	-117.208256968	33.9303295930	25	1491962
2352221E	CONCRETE	1986	MOHICAN DR, E/S, 225' N/O UTE DR	10752040	9500L	-117.208441568	33.9307175888	25	1491962
2352222E	CONCRETE	1986	BILOXI DR, N/W COR/O MOHICAN DR	10752040	9500L	-117.208466805	33.9312933115	25	1491962
2352223E	CONCRETE	1986	BILOXI DR, N/S, 95' E/O MOHICAN DR	10752040	9500L	-117.208032789	33.9314308476	25	1491962
2352232E	CONCRETE	1986	DRACAEA AVE, N/W COR/O MOHICAN DR	10752040	9500L	-117.207526387	33.9282841803	25	1491962
2352235E	CONCRETE	1986	MOHICAN DR, 170' N/O OSHUA DR	10752040	9500L	-117.207748544	33.9293740208	25	1491962
2352236E	CONCRETE	1986	MOHICAN DR, E/S, 150' S/O UTE DR	10752040	9500L	-117.208211150	33.9298673001	25	1491962
2357913E	CONCRETE	1987	NINEBARK ST E/S, 105' S/O EUCALYPTUS AVE	10752040	9500L	-117.211577743	33.9314686033	25	1491962
2357914E	CONCRETE	1987	NINEBARK ST W/S, 280' S/O EUCALYPTUS AVE	10752040	9500L	-117.211705154	33.9310431251	25	1491962
2357921E	CONCRETE	1987	NINEBARK ST W/S, 35' N/O BLUELEAF	10752040	9500L	-117.211667416	33.9304757806	25	1491962
2357922E	CONCRETE	1987	NINEBARK ST E/S, 160' S/O BLUELEAF ST	10752040	9500L	-117.211713116	33.9299749504	25	1491962
2357923E	CONCRETE	1987	NINEBARK ST E/S, 160' N/O REDBAY LN	10752040	9500L	-117.211813207	33.9295885182	25	1491962
2357924E	CONCRETE	1987	REDBAY LN N/S, 175' E/O NINEBARK ST	10752040	9500L	-117.211544955	33.9290857376	25	1491962
2357925E	CONCRETE	1987	NINEBARK ST W/S, 165' N/O DRACAEA AVE	10752040	9500L	-117.212329165	33.9286610960	25	1491962
2357926E	CONCRETE	1987	DRACAEA AVE N/S, 45' W/O NINEBARK ST	10752040	9500L	-117.212418142	33.9283568223	25	1491962
2357930E	CONCRETE	1987	DRACAEA AVE N/S, 280' E/O NINEBARK ST	10752040	9500L	-117.211407093	33.9282562095	25	1491962
2357931E	CONCRETE	1987	NINEBARK ST W/S, 15' S/O REDBAY LN	10752040	9500L	-117.212140899	33.9292156578	25	1491962
2357934E	CONCRETE	1987	REDBAY LN S/S, 415' E/O NINEBARK ST	10752040	9500L	-117.210851484	33.9289845868	25	1491962
2358379E	CONCRETE	1987	DRACAEA AVE S/S, 150' E/O PEPPERBUSH DR	10752040	9500L	-117.212966263	33.9281632725	25	1491962
2358386E	CONCRETE	1987	NINEBARK ST W/S, 110' S/O DRACAEA AVE	10752040	9500L	-117.212503000	33.9278659237	25	1491962
2358387E	CONCRETE	1987	DRACAEA AVE S/S, 165' E/O NINEBARK ST	10752040	9500L	-117.211956695	33.9281890268	25	1491962
4053502E	CONCRETE	1988	DRACAEA AVE N/S, 45' W/O TWINFLOWER CT	10752040	9500L	-117.209707625	33.9283040270	25	1491962
4053503E	CONCRETE	1988	TWINFLOWER CT E/S, 150' N/O DRACAEA AVE	10752040	9500L	-117.209513275	33.9286491007	25	1491962
4053505E	CONCRETE	1988	TWINFLOWER CT E/S, 35' N/O REDBAY LN	10752040	9500L	-117.209674398	33.9292251486	25	1491962
4053506E	CONCRETE	1988	TWINFLOWER CT W/S, 210' N/O REDBAY LN	10752040	9500L	-117.209657823	33.9296806542	25	1491962
4053508E	CONCRETE	1988	REDBAY LN S/S, 175' E/O ZENOBIA CT	10752040	9500L	-117.210016023	33.9290094741	25	1491962
4053509E	CONCRETE	1988	ZENOBIA CT W/S, 135' N/O REDBAY LN	10752040	9500L	-117.210771425	33.9294636881	25	1491962
4062529E	CONCRETE	1990	S/S DRACAEA AVE., 200' W/O LASSELLE ST.	10752040	9500L	-117.209014133	33.9281899272	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4062530E	CONCRETE	1990	W/S LASSELLE ST., 225' S/O DRACAEA AVE.	10752040	9500L	-117.208980147	33.9276922401	25	1491962
4064217E	CONCRETE	1989	N/S EUCALYPTUS, 180' W/O SAMPLE	10752040	9500L	-117.207698619	33.9318179122	25	1491962
4150968E	CONCRETE	1990	EUCALYPTUS S/S, 256' W/O C/L LASSELLE, MRNO	10752040	9500L	-117.209757150	33.9317351897	25	1491962
4150969E	CONCRETE	1990	FELISA E/S, 60' S/O C/L EUCALYPTUS, MRNO VLY	10752040	9500L	-117.210563258	33.9316536032	25	1491962
4150970E	CONCRETE	1990	ANDRE CT. N/S, 340' E/O C/L FELISA, MRNO VLY	10752040	9500L	-117.209653926	33.9313570243	25	1491962
4150971E	CONCRETE	1990	ANDRE CT. S/S, 152' E/O C/L FELISA, MRNO VLY	10752040	9500L	-117.210139098	33.9312721292	25	1491962
4150972E	CONCRETE	1990	FELISA W/S, 15' S/O C/L ANDRE CT., MRNO VLY	10752040	9500L	-117.210659979	33.9313229706	25	1491962
4150973E	CONCRETE	1990	FELISA E/S, 140' S/O C/L ANDRE CT., MRNO VLY	10752040	9500L	-117.210546213	33.9310150308	25	1491962
4150974E	CONCRETE	1990	N/W C/O FELISA & BLUELEAF, MRNO VLY	10752040	9500L	-117.210711115	33.9305076050	25	1491962
4150975E	CONCRETE	1990	BLUELEAF S/S, 145' E/O C/L FELISA, MRNO VLY	10752040	9500L	-117.210197593	33.9304540418	25	1491962
4150976E	CONCRETE	1990	BLUELEAF N/S, 340' E/O C/L FELISA, MRNO VLY	10752040	9500L	-117.209718482	33.9305229763	25	1491962
4232679E	CONCRETE	1992	DRACAEA AVE S/S 513' E/O LASSELLE ST	10752040	9500L	-117.207255909	33.9281834224	25	1491962
4232680E	CONCRETE	1992	DRACAEA AVE S/S 205' E/O LASSELLE ST	10752040	9500L	-117.208140864	33.9281959567	25	1491962
4232681E	CONCRETE	1992	DRACAEA AVE S/S75' E/O LASSELLE ST	10752040	9500L	-117.208579615	33.9281945709	25	1491962
2352224E	CONCRETE	1986	BILOXI DR, N/S, COR/O EYOTA DR	10752040	9500L	-117.207512290	33.9314220398	25	1491962
2352225E	CONCRETE	1986	EYOTA DR, E/S, 120' S/O BILOXI DR	10752040	9500L	-117.207432445	33.9310444439	25	1491962
2352226E	CONCRETE	1986	EYOTA DR, W/S, 245' S/O BILOXI DR	10752040	9500L	-117.207544835	33.9307159275	25	1491962
2352227E	CONCRETE	1986	EYOTA DR, E/S, 455' S/O BILOXI DR	10752040	9500L	-117.207273284	33.9300446043	25	1491962
2352228E	CONCRETE	1986	EYOTA DR, W/S, 240' N/O OSHUA DR	10752040	9500L	-117.206925897	33.9295391855	25	1491962
2352229E	CONCRETE	1986	EYOTA DR, E/S, 110' N/O OSHUA DR	10752040	9500L	-117.206678982	33.9292823600	25	1491962
2352230E	CONCRETE	1986	OSHUA DR, N/S, 125' E/O EYOTA DR	10752040	9500L	-117.206246225	33.9290108314	25	1491962
2352231E	CONCRETE	1986	OSHUA DR, S/S, COR/O EYOTA DR	10752040	9500L	-117.206705717	33.9289241441	25	1491962
2352233E	CONCRETE	1986	MOHICAN DR, E/S, 130' N/O DRACAEA AVE	10752040	9500L	-117.207382812	33.9286323775	25	1491962
2352234E	CONCRETE	1986	MOHICAN DR, N/E COR/O OSHUA DR	10752040	9500L	-117.207434804	33.9290057730	25	1491962
2357951E	CONCRETE	1986	DRACAEA AVE N/S, 783' E/O MOHICAN DR	10752040	9500L	-117.204871652	33.9283153075	25	1491962
2358078E	CONCRETE	1986	EUCALYPTUS AVE S/S, 580' W/O WICHITA WY	10752040	9500L	-117.206973270	33.9317222351	29	1491962
2358081E	CONCRETE	1986	BILOXI DR N/S, 95' W/O PAWNEE DR	10752040	9500L	-117.207067343	33.9314172535	25	1491962
2358082E	CONCRETE	1986	PAWNEE DR W/S, 2' S/O TETON CT	10752040	9500L	-117.206736087	33.9306935178	25	1491962
2358083E	CONCRETE	1986	TETON CT S/S, 110' N/O PAWNEE DR	10752040	9500L	-117.206213772	33.9307485252	25	1491962
2358084E	CONCRETE	1986	TETON CT E/S, 295' N/O PAWNEE DR	10752040	9500L	-117.205805864	33.9310440092	25	1491962
2358085E	CONCRETE	1986	TETON CT W/S, 485' N/O PAWNEE DR	10752040	9500L	-117.205929399	33.9314080241	25	1491962
2358086E	CONCRETE	1986	PAWNEE DR E/S, 25' S/O BILOXI DR	10752040	9500L	-117.206646925	33.9312705250	25	1491962
2358087E	CONCRETE	1986	PAWNEE DR W/S, 147' S/O TETON CT	10752040	9500L	-117.206641105	33.9303340331	25	1491962
2358088E	CONCRETE	1986	PAWNEE DR W/S, 2' S/O WICHITA WY	10752040	9500L	-117.206266593	33.9299573291	25	1491962
2358089E	CONCRETE	1986	WICHITA WY N/S, 110' N/O PAWNEE DR	10752040	9500L	-117.205889131	33.9301984811	25	1491962
2358090E	CONCRETE	1986	WICHITA WY N/S, 265' N/O PAWNEE DR	10752040	9500L	-117.205488827	33.9303780392	25	1491962
2358091E	CONCRETE	1986	WICHITA WY S/S, 385' N/O PAWNEE DR	10752040	9500L	-117.205064629	33.9303955920	25	1491962
2358092E	CONCRETE	1986	WICHITA WY E/S, 385' S/O EUCALYPTUS AVE	10752040	9500L	-117.204959971	33.9306852919	25	1491962
2358093E	CONCRETE	1986	WICHITA WY W/S, 175' S/O EUCALYPTUS AVE	10752040	9500L	-117.205072432	33.9313403500	25	1491962
2358094E	CONCRETE	1986	PAWNEE DR E/S, 200' N/O OSHUA DR	10752040	9500L	-117.205898329	33.9296239728	25	1491962
2358095E	CONCRETE	1986	OSHUA DR S/S, S/O PAWNEE DR	10752040	9500L	-117.205840788	33.9289525855	25	1491962
2358096E	CONCRETE	1986	OSHUA DR N/S, 140 E/O PAWNEE DR	10752040	9500L	-117.205424876	33.9290565277	25	1491962
2358097E	CONCRETE	1986	OSHUA DR S/S, 25' E/O POCONO CT	10752040	9500L	-117.205007222	33.9289683194	25	1491962
2358098E	CONCRETE	1986	POCONO CT W/S, 170' N/O OSHUA DR	10752040	9500L	-117.205059510	33.9294308550	25	1491962
2358099E	CONCRETE	1986	POCONO CT E/S, 350' N/O OSHUA DR	10752040	9500L	-117.205074489	33.9298265979	25	1491962
2358100E	CONCRETE	1986	DRACAEA AVE N/S, 383' E/O MOHICAN DR	10752040	9500L	-117.206400115	33.9282758665	25	1491962
2361906E	CONCRETE	1988	BURNEY PASS DR W/S, 155' S/O DRACAEA AVE	10752040	9500L	-117.204120772	33.9278796646	25	1491962
2361910E	CONCRETE	1988	DRACAEA AVE S/S, 45' E/O BURNEY PASS	10752040	9500L	-117.203961253	33.9282166733	25	1491962
4113951E	CONCRETE	1989	N/S EUCALYPTUS, 565' W/O BARBAZON	10752040	9500L	-117.205611751	33.9318060047	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4113952E	CONCRETE	1989	NW COR OF MONTECELLO AND EUCALYPTUS	10752040	9500L	-117.206373707	33.9318003324	25	1491962
4113968E	CONCRETE	1989	N/S EUCALYPTUS, 140' W/O BARBAZON	10752040	9500L	-117.204177022	33.9318231792	25	1491962
4165892E	CONCRETE	1990	NELS CIRCLE E/S, 330' N/O CAPAY BAY DR., M V	10752040	9500L	-117.205121224	33.9277209771	25	1491962
4232677E	CONCRETE	1992	DRACAEA AVE S/S 1035' E/O LASSELLE ST	10752040	9500L	-117.205527828	33.9281950689	25	1491962
4232678E	CONCRETE	1992	DRACAEA AVE S/S 849' E/O LASSELLE	10752040	9500L	-117.206088960	33.9281869710	25	1491962
2344775E	CONCRETE	1987	EUCALYPTUS AVE S/S, 122' E/O PEPPERBUSH	10752040	22000L	-117.212416618	33.9316913363	29	1491960
2352219E	CONCRETE	1986	EUCALYPTUS AVE, S/S, 175' E/O LASSELLE ST	10752040	22000L	-117.208383430	33.9317373827	29	1491960
2352237E	CONCRETE	1986	LASSELLE ST,E/S, 280' S/O UTE DR	10752040	22000L	-117.208875297	33.9293716747	29	1491960
2352401E	CONCRETE	1986	LASSELLE ST, N/E COR/O DRACAEA AVE	10752040	22000L	-117.208823829	33.9282821110	29	1491960
4053504E	CONCRETE	1988	LASSELLE ST W/S, 220' N/O DRACAEA AVE	10752040	22000L	-117.208968795	33.9288223869	29	1491960
4053507E	CONCRETE	1988	LASSELLE ST W/S, 580' N/O DRACAEA AVE	10752040	22000L	-117.209006009	33.9296745988	29	1491960
4150977E	CONCRETE	1990	LASSELLE W/S, 150' S/O C/L EUCALYPTUS, MRNO	10752040	22000L	-117.209030063	33.9312811182	29	1491960
4150978E	CONCRETE	1990	LASSELLE W/S, 326' S/O C/L EUCALYPTUS, MRNO	10752040	22000L	-117.208988819	33.9308986500	29	1491960
4150979E	CONCRETE	1990	LASSELLE W/S, 546' S/O C/L EUCALYPTUS, MRNO	10752040	22000L	-117.209020410	33.9303178474	29	1491960
2358079E	CONCRETE	1986	EUCALYPTUS AVE S/S, 152' W/O WICHITA WY	10752040	22000L	-117.205294444	33.9317067061	29	1491960
2358080E	CONCRETE	1986	EUCALYPTUS AVE S/S, 60' E/O WICHITA WY	10752040	22000L	-117.204861828	33.9317202960	29	1491960
4498101E	CONCRETE	2003	LASSELLE ST E/S 3' S/O JIM DR	10752040	22000L	-117.208896896	33.9264343823	32	1491962
4232683E	CONCRETE	1992	LASSELLE E/S 630' S/O DRACAEA	10752040	9500L	-117.208888495	33.9266897408	25	1491962
2344891E	CONCRETE	1987	YUBA PASS RD W/S, 40' N/O ROCKPORT	10752043	9500L	-117.200900974	33.9265393292	25	1491962
2358006E	CONCRETE	1987	CAPAY BAY CT N/S, 360' E/O BURNEY PASS	10752043	9500L	-117.203062051	33.9267818804	25	1491962
2358007E	CONCRETE	1987	CAPAY BAY CT S/S, 570' E/O BURNEY PASS	10752043	9500L	-117.202346505	33.9266781716	25	1491962
2358020E	CONCRETE	1987	CAPAY BAY CT E/S, 710' E/O BURNEY PASS	10752043	9500L	-117.201771976	33.9267521436	25	1491962
2358347E	CONCRETE	1988	YUBA PASS DR E/S, 170' N/O ROCKPORT DR	10752043	9500L	-117.200800863	33.9269190044	25	1491962
2358348E	CONCRETE	1988	ALTURAS CREEK DR N/S, 10' E/O YUBA PASS DR	10752043	9500L	-117.200876530	33.9275410581	25	1491962
2361901E	CONCRETE	1988	ALTURAS CREEK DR N/S, 190' W/O YUBA PASS DR	10752043	9500L	-117.201627758	33.9274787139	25	1491962
2361902E	CONCRETE	1988	ALTURAS CREEK DR S/S, 415' W/O YUBA PASS DR	10752043	9500L	-117.202299481	33.9273974855	25	1491962
2361903E	CONCRETE	1988	ALTURAS CREEK DR N/S, 355' E/O BURNEY PASS D	10752043	9500L	-117.203036724	33.9274986974	25	1491962
2361907E	CONCRETE	1988	DRACAEA AVE S/S, 290' W/O MORRISON ST	10752043	9500L	-117.200990442	33.9282141727	25	1491962
2361908E	CONCRETE	1988	DRACAEA AVE S/S, 25' E/O NAPA VALLEY	10752043	9500L	-117.201855565	33.9282243818	25	1491962
2361909E	CONCRETE	1988	DRACAEA AVE S/S, 480' E/O BURNEY PASS	10752043	9500L	-117.202525273	33.9281823655	25	1491962
2361912E	CONCRETE	1988	NAPA VALLEY W/S, 90' N/O DRACAEA AVE	10752043	9500L	-117.201960115	33.9285235028	25	1491962
2361913E	CONCRETE	1988	NAPA VALLEY W/S, 275' N/O DRACAEA AVE	10752043	9500L	-117.201953036	33.9290311923	25	1491962
4529638E	CONCRETE	2006	BODEGA CT N/S, 165' E/O NAPA VALLEY	10752043	9500L	-117.201528219	33.9290856833	27	1491962
2361915E	CONCRETE	1988	BODEGA CT S/S, 345' E/O NAPA VALLEY	10752043	9500L	-117.200955374	33.9289827509	25	1491962
2361917E	CONCRETE	1988	BODEGA CT W/S, 195' N/O BODEGA CT	10752043	9500L	-117.200930351	33.9296241461	25	1491962
2361918E	CONCRETE	1988	NAPA VALLEY E/S, 140' S/O PETALUMA AVE	10752043	9500L	-117.201848449	33.9301667147	25	1491962
2361919E	CONCRETE	1988	PETALUMA AVE S/S, 160' E/O NAPA VALLEY	10752043	9500L	-117.201474000	33.9304875436	25	1491962
2361921E	CONCRETE	1988	TIOGA PASS CT W/S, 140' N/O PETALUMA AVE	10752043	9500L	-117.200940263	33.9308438018	25	1491962
2361924E	CONCRETE	1988	NAPA VALLEY E/S, 45' N/O PETALUMA AVE	10752043	9500L	-117.201869637	33.9305965163	25	1491962
2361925E	CONCRETE	1988	NAPA VALLEY W/S, 240' N/O PETALUMA AVE	10752043	9500L	-117.201990232	33.9311192443	25	1491962
4002499E	CONCRETE	1988	PETALUMA AVE S/S, 30' E/O TIOGA PASS CT	10752043	9500L	-117.200879191	33.9304692394	25	1491962
4002500E	CONCRETE	1988	NAPA VALLEY E/S, 190' N/O BODEGA CT	10752043	9500L	-117.201869985	33.9295537139	25	1491962
4053501E	CONCRETE	1988	DRACAEA AVE N/S, 90' W/O MORRISON ST	10752043	9500L	-117.200531586	33.9282929465	25	1491962
4053512E	CONCRETE	1988	TIOGA PASS CT E/S, 305' N/O PETALUMA AVE	10752043	9500L	-117.200831379	33.9313054928	25	1491962
4112692E	CONCRETE	1989	E/S MORRISON, 63' N/O DRACAEA	10752043	9500L	-117.200205585	33.9283592237	25	1491962
4112693E	CONCRETE	1989	E/S MORRISON, 389' N/O DRACAEA	10752043	9500L	-117.200208690	33.9293352827	25	1491962
4112694E	CONCRETE	1989	E/S MORRISON, 27' N/O PETALUMA	10752043	9500L	-117.200179159	33.9305799246	25	1491962
4112695E	CONCRETE	1989	E/S MORRISON, 252' S/O EUCALYPTUS	10752043	9500L	-117.200184102	33.9312007461	25	1491962
4112697E	CONCRETE	1989	S/S EUCALYPTUS, 515' E/O MORRISON	10752043	9500L	-117.198523052	33.9318305203	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4113967E	CONCRETE	1989	N/S EUCALYPTUS, 389' E/O BARBAZON	10752043	9500L	-117.202474418	33.9317887970	25	1491962
4166183E	CONCRETE	1991	DRACAEA S/S, 80' E/O C/L MORRISON, MRNO VLY	10752043	9500L	-117.199859014	33.9282208976	25	1491962
4166185E	CONCRETE	1991	DRACAEA S/S, 880' E/O C/L MORRISON, MRNO VL	10752043	9500L	-117.197073087	33.9282460597	25	1491962
4166187E	CONCRETE	1991	DRACAEA S/S, 1280' E/O C/L MORRISON, MRNO V	10752043	9500L	-117.195789646	33.9282453682	25	1491962
4212635E	CONCRETE	1992	DRACAEA AVE N/S E/O MORRISON	10752043	9500L	-117.194069871	33.9283136503	25	1491962
4212638E	CONCRETE	1992	DRACAEA AVE N/S E/O MORRISON	10752043	9500L	-117.196417091	33.9283123814	25	1491962
4212639E	CONCRETE	1992	DRACAEA AVE N/S E/O MORRISON	10752043	9500L	-117.195355643	33.9283322438	25	1491962
2358349E	CONCRETE	1988	MORRISON ST W/S, 260' S/O DRACAEA AVE	10752043	22000L	-117.200310667	33.9275335203	29	1491960
2361911E	CONCRETE	1988	MORRISON ST W/S, 45' S/O DRACAEA AVE	10752043	22000L	-117.200314758	33.9281688248	29	1491960
2361916E	CONCRETE	1988	MORRISON ST W/S, 335' N/O DRACAEA AVE	10752043	22000L	-117.200323837	33.9291531499	29	1491960
2361920E	CONCRETE	1988	MORRISON ST W/S, 45' S/O PETALUMA AVE	10752043	22000L	-117.200305652	33.9304489107	29	1491960
2361922E	CONCRETE	1988	MORRISON ST W/S, 160' S/O EUCALYPTUS AVE	10752043	22000L	-117.200315406	33.9314775295	29	1491960
2361923E	CONCRETE	1988	EUCALYPTUS AVE S/S, 290' W/O MORRISON ST	10752043	22000L	-117.201023196	33.9318198469	29	1491960
4166600E	CONCRETE	1991	EUCALYPTUS AVENUE S/S, 952' E/O MORRISON ST	10752043	22000L	-117.197108520	33.9318342875	29	1491960
4166598E	CONCRETE	1991	EUCALYPTUS AVENUE S/S, 860' W/O CL/O NASON	10752043	22000L	-117.194448644	33.9318160373	29	1491960
4166599E	CONCRETE	1991	EUCALYPTUS AVENUE S/S, 1248' W/O CL/O NASO	10752043	22000L	-117.195586727	33.9318144368	29	1491960
4536286E	CONCRETE	2004	HONORS WAY S/S, 150' E/O MASCOT LN	10752043	9500L	-117.194083055	33.9276495048	27	1491962
4536287E	CONCRETE	2004	HONORS WAY S/S, 150' E/O MASCOT LN	10752043	9500L	-117.193749645	33.9282338820	27	1491962
4536284E	CONCRETE	2004	STADIUM WAY E/S, 45' S/O HONORS WAY	10752043	9500L	-117.193587176	33.9276178269	27	1491962
4536285E	CONCRETE	2004	HONORS WAY N/S, 98' W/O STADIUM WAY	10752043	9500L	-117.193903331	33.9277457414	27	1491962
4423141E	CONCRETE	2004	MASCOT LN E/S, 90' N/O C/L HONORS WY	10752043	9500L	-117.194484167	33.9279959771	27	1491960
4427851E	CONCRETE	2004	HONORS WY S/S, 6' E/O C/L MASCOT LN	10752043	9500L	-117.194549846	33.9276605020	27	1491960
4492949E	CONCRETE	2004	DRACEA AVE S/S, 244' W/O C/L MASCOT LN	10752043	22000L	-117.195241007	33.9282406393	32	1491962
4492950E	CONCRETE	2004	DRACEA AVE S/S, 42' W/O C/L MASCOT LN	10752043	22000L	-117.194674404	33.9282274366	32	1491962
4536274E	CONCRETE	2004	STADIUM WAY E/S, 105' S/O COMMONS DR	10752043	9500L	-117.193586823	33.9273346843	27	1491962
4536275E	CONCRETE	2004	STADIUM WAY W/S, 45' N/O COMMONS DR	10752043	9500L	-117.193732910	33.9270375229	27	1491962
4536276E	CONCRETE	2004	COMMONS DR S/S, 132' W/O STADIUM WAY	10752043	9500L	-117.194091669	33.9269217800	27	1491962
4536277E	CONCRETE	2004	VARSITY LN E/S, 58' S/O COMMONS DR	10752043	9500L	-117.194433950	33.9268762951	27	1491962
4423316E	CONCRETE	2005	LETTERMAN ST E/S, 885' N/O C/L CAMPUS POINT	10752043	9500L	-117.195462312	33.9275938282	27	1491960
4428225E	CONCRETE	2005	LETTERMAN ST W/S, 761' N/O C/L CAMPUS POIN	10752043	9500L	-117.195472858	33.9272411293	27	1491960
4492948E	CONCRETE	2005	LETTERMAN ST E/S, 650' N/O C/L CAMPUS POINT	10752043	9500L	-117.195306159	33.9269255898	27	1491960
4498700E	CONCRETE	2005	HONORS WY N/S, 175' W/O C/L MASCOT LN	10752043	9500L	-117.195219385	33.9277516574	27	1491960
4709681E	CONCRETE	2008	DRACAEA S/S, 480' E/O C/L MORRISON, MRNO VL	10752043	9500L	-117.198384754	33.9282331696	27	1491962
4166597E	CONCRETE	1991	EUCALYPTUS AVENUE S/S, 480' W/O NASON STRE	10752046	22000L	-117.193058567	33.9318215605	29	1491960
4536288E	CONCRETE	2004	DRACEA AVE S/S 555' E/O MASCOT LN	10752046	9500L	-117.189665141	33.9282285624	27	1491962
4536289E	CONCRETE	2004	DRACEA AVE N/S 553' E/O MASCOT LN	10752046	9500L	-117.189690724	33.9283303720	27	1491962
4536290E	CONCRETE	2004	DRACEA AVE S/S 757' E/O MASCOT LN	10752046	9500L	-117.189032609	33.9282544616	27	1491962
4536291E	CONCRETE	2004	DRACEA AVE N/S 755' E/O MASCOT LN	10752046	9500L	-117.189025078	33.9283323935	27	1491962
4536281E	CONCRETE	2004	HONORS WAY S/S, 407' E/O STADIUM WAY	10752046	9500L	-117.192084543	33.9276676820	27	1491962
4536282E	CONCRETE	2004	HONORS WAY N/S, 282' E/O STADIUM WAY	10752046	9500L	-117.192687865	33.9277658182	27	1491962
4536283E	CONCRETE	2004	HONORS WAY S/S, 117' E/O STADIUM WAY	10752046	9500L	-117.193271798	33.9276831922	27	1491962
4525987E	CONCRETE	2003	NASON W/S 449'S/O C/L DRACAEA	10752046	22000L	-117.191563359	33.9270671458	31	1491960
4525988E	CONCRETE	2003	NASON W/S 253'S/O C/L DRACAEA	10752046	22000L	-117.191562811	33.9275902067	31	1491960
4525989E	CONCRETE	2003	NASON S/W C/O DRACAEA	10752046	22000L	-117.191533926	33.9281440520	31	1491960
4532978E	CONCRETE	2004	COMMONS DR S/S, 142' W/O ATHLETICS DR	10752046	9500L	-117.193157415	33.9269229030	27	1491962
4532979E	CONCRETE	2004	COMMONS DR N/S, 35' E/O ATHLETICS DR	10752046	9500L	-117.192675201	33.9270277503	27	1491962
4532980E	CONCRETE	2004	COMMONS DR S/S, 280' E/O ATHLETICS DR	10752046	9500L	-117.191785479	33.9267514939	27	1491962
4704149E	CONCRETE	2008	NASON ST W/S 50' C/L, 164' S/O BLOOMFI	10752046	22000L	-117.191647677	33.9297066258	32	1491960
4710445E	CONCRETE	2008	NASON ST W/S 47' C/L, 261' S/O EUCALYPTUS AV	10752046	22000L	-117.191533064	33.9311588918	32	1491960



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4710446E	CONCRETE	2008	NASON ST W/S 47' C/L, 461' S/O EUCALYPTUS AV	10752046	22000L	-117.191629828	33.9306104415	32	1491960
4710447E	CONCRETE	2008	NASON ST W/S 51' C/L, 31' N/O BLOOMFIELD RD	10752046	22000L	-117.191629317	33.9301961152	32	1491960
4704150E	CONCRETE	2008	NASON ST W/S 50' C/L, 270' N/O DRACAEA AV	10752046	22000L	-117.191610337	33.9290204737	32	1491960
4166576E	CONCRETE	1991	MORENO BEACH E/S, 675' S/O C/L A ST., MRNO V	10752049	22000L	-117.174272517	33.9323430544	29	1491960
4166577E	CONCRETE	1991	MORENO BEACH W/S, 640' S/O C/L A ST., MRNO Y	10752049	22000L	-117.174427547	33.9323622320	29	1491960
4230156E	CONCRETE	1994	SHUBERT W/S, 60' S/O C/L EUCALYPTUS	10752055	9500L	-117.158956629	33.9316314605	25	1491962
4230157E	CONCRETE	1994	SHUBERT ST. W/S, 430' S/O C/L EUCALYPTUS	10752055	9500L	-117.159018617	33.9305076451	25	1491962
4230158E	CONCRETE	1994	SHUBERT ST. W/S, 50' N/O C/L BRAHMS LN.	10752055	9500L	-117.159014485	33.9294826694	25	1491962
4230159E	CONCRETE	1994	BRAHMS LN. S/S, 50' W/O C/L SHUBERT ST.	10752055	9500L	-117.159095463	33.9293119958	25	1491962
4230160E	CONCRETE	1994	SHUBERT W/S, 50' N/O C/L DRACAEA AVE.	10752055	9500L	-117.159022133	33.9283229633	25	1491962
4230161E	CONCRETE	1994	DRACAEA AVE. N/S, 140' W/O C/L SHUBERT	10752055	9500L	-117.159397490	33.9282790190	25	1491962
4230162E	CONCRETE	1994	MOZART W/S, 140' N/O C/L DRACAEA	10752055	9500L	-117.160311132	33.9285624797	25	1491962
4230163E	CONCRETE	1994	MOZART E/S, 50' S/O C/L BRAHMS	10752055	9500L	-117.160188401	33.9292568739	25	1491962
4230164E	CONCRETE	1994	BRAHMS LN. N/S, 50' E/O C/L MOZART	10752055	9500L	-117.160104674	33.9294248838	25	1491962
4230165E	CONCRETE	1994	MOZART W/S, 240' N/O C/L BRAHMS LN.	10752055	9500L	-117.160352465	33.9300236699	25	1491962
4230166E	CONCRETE	1994	MOZART E/S, 50' S/O C/L STRAUSS LN.	10752055	9500L	-117.160666061	33.9307374802	25	1491962
4230167E	CONCRETE	1994	STRAUSS LN. NORTH END	10752055	9500L	-117.160297573	33.9311545034	25	1491962
4230168E	CONCRETE	1994	STRAUSS LN. N/S, 50' E/O C/L MOZART	10752055	9500L	-117.160739558	33.9308903669	25	1491962
4230169E	CONCRETE	1994	MOZART W/S, 190' N/O C/L STRAUSS LN.	10752055	9500L	-117.161117296	33.9312954811	25	1491962
4230170E	CONCRETE	1994	MOZART E/S, 60' S/O C/L EUCALYPTUS	10752055	9500L	-117.160987847	33.9316746811	25	1491962
4230178E	CONCRETE	1994	GERSHWIN WAY NORTH END	10752055	9500L	-117.162685448	33.9311181754	25	1491962
4230179E	CONCRETE	1994	GERSHWIN WAY E/S, 180' N/O C/L STRAUSS	10752055	9500L	-117.162587477	33.9306850062	25	1491962
4230180E	CONCRETE	1994	STRAUSS S/S, 50' W/O C/L GERSHWIN WAY	10752055	9500L	-117.162747156	33.9301946995	25	1491962
4230181E	CONCRETE	1994	STRAUSS N/S, 200' E/O C/L GERSHWIN WAY	10752055	9500L	-117.162091411	33.9302804361	25	1491962
4230182E	CONCRETE	1994	STRAUSS S/S, 220' W/O C/L MOZART	10752055	9500L	-117.161266363	33.9304528166	25	1491962
4230183E	CONCRETE	1994	GERSHWIN WAY E/S, 60' S/O C/L STRAUSS	10752055	9500L	-117.162578201	33.9301162367	25	1491962
4230184E	CONCRETE	1994	GERSHWIN W/S, 70' N/O C/L HANDEL CT.	10752055	9500L	-117.162761804	33.9293921798	25	1491962
4230185E	CONCRETE	1994	HANDEL CT. N/S, 50' E/O C/L GERSHWIN	10752055	9500L	-117.162536206	33.9292564222	25	1491962
4230186E	CONCRETE	1994	HANDEL CT. S/S, 400' E/O C/L GERSHWIN	10752055	9500L	-117.161647956	33.9291172612	25	1491962
4230187E	CONCRETE	1994	GERSHWIN E/S, 200' S/O C/L HANDEL CT.	10752055	9500L	-117.162590061	33.9287339141	25	1491962
4230188E	CONCRETE	1994	GERSHWIN W/S, 60' N/O C/L DRACAEA	10752055	9500L	-117.162750266	33.9282930619	25	1491962
4230189E	CONCRETE	1994	DRACAEA N/S, 50' E/O C/L GERSHWIN	10752055	9500L	-117.162526056	33.9282892028	25	1491962
4230190E	CONCRETE	1994	DRACAEA N/S, 200' W/O C/L MOZART	10752055	9500L	-117.160998397	33.9282676489	25	1491962
4230171E	CONCRETE	1994	EUCALYPTUS S/S, 100' W/O C/L SHUBERT ST.	10752055	22000L	-117.159185338	33.9317152428	29	1491960
4230172E	CONCRETE	1994	EUCALYPTUS S/S, 280' W/O C/L SHUBERT	10752055	22000L	-117.159849004	33.9317201062	29	1491960
4230173E	CONCRETE	1994	EUCALYPTUS S/S, 170' E/O C/L MOZART	10752055	22000L	-117.160442422	33.9317381513	29	1491960
4230174E	CONCRETE	1994	EUCALYPTUS S/S, 60' W/O C/L MOZART	10752055	22000L	-117.161214988	33.9317419904	29	1491960
4230175E	CONCRETE	1994	EUCALYPTUS S/S, 260' W/O C/L MOZART	10752055	22000L	-117.161850254	33.9317456064	29	1491960
4230176E	CONCRETE	1994	EUCALYPTUS S/S, 450' W/O C/L MOZART	10752055	22000L	-117.162727229	33.9317502052	29	1491960
4230177E	CONCRETE	1994	EUCALYPTUS S/S, 650' W/O C/L MOZART	10752055	22000L	-117.163284652	33.9317763639	29	1491960
4212158E	CONCRETE	1992	GATEWAY DRIVE N/S 100' W/O EUCALYPTUS	10772019	22000L	-117.273996677	33.9353035808	30	1491960
4214329E	CONCRETE	1992	EUCALYPTUS N/S 240' E/O DAY ST.	10772019	22000L	-117.278310359	33.9315198416	29	1491960
4214330E	CONCRETE	1992	EASTRIDGE S/S 313' E/O DAY ST	10772019	22000L	-117.277876287	33.9314204476	29	1491960
4214331E	CONCRETE	1992	unset	10772019	22000L	-117.277882448	33.9315068360	29	1491960
4214332E	CONCRETE	1992	EASTRIDGE S/S 610' E/O DAY	10772019	22000L	-117.277350721	33.9314352627	29	1491960
4214333E	CONCRETE	1992	EASTRIDGE N/S610' E/O DAY ST	10772019	22000L	-117.277385431	33.9315214738	29	1491960
4214335E	CONCRETE	1992	EASTRIDGE N/S 690' E/O DAY ST	10772019	22000L	-117.276725893	33.9315353275	29	1491960
4529619E	CONCRETE	2006	EASTRIDGE S/S 800' E/O DAY ST	10772019	22000L	-117.276292275	33.9314789332	27	1491960
4214337E	CONCRETE	1992	EASTRIDGE N/S 800' E/O DAY ST	10772019	22000L	-117.276261709	33.9315892036	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4212159E	CONCRETE	1992	GATEWAY DRIVE N/S 489' W/O EUCALYPTUS	10772019	22000L	-117.275093176	33.9349127604	29	1491960
4212161E	CONCRETE	1992	GATEWAY DRIVE S/S 489' W/O EUCALYPTUS	10772019	22000L	-117.275079325	33.9347952737	29	1491960
4212162E	CONCRETE	1992	GATEWAY DRIVE N/S 500' W/O EUCALYPTUS	10772019	22000L	-117.275515166	33.9347116446	29	1491960
4212163E	CONCRETE	1992	GATEWAY DRIVE S/S 700' W/O EUCALYPTUS	10772019	22000L	-117.275858624	33.9344662842	29	1491960
4212164E	CONCRETE	1992	GATEWAY DRIVE N/S 900' W/O EUCALYPTUS	10772019	22000L	-117.276432050	33.9345504691	29	1491960
4212165E	CONCRETE	1992	GATEWAY DRIVE S/S 1000' W/O EUCALYPTUS	10772019	22000L	-117.276758464	33.9344853714	29	1491960
4212605E	CONCRETE	1992	DAY ST E/S 310' S/O GATEWAY	10772019	22000L	-117.278822467	33.9341552758	29	1491960
4213797E	CONCRETE	1992	DAY ST E/S 544' S/O GATEWAY	10772019	22000L	-117.278834718	33.9334608827	29	1491960
4212599E	CONCRETE	1992	EUCALYPTUS W/S 514' N/O EASTRIDGE	10772019	22000L	-117.273405508	33.9348124649	29	1491960
4212600E	CONCRETE	1992	EUCALYPTUS W/S 294' N/O EASTRIDGE	10772019	22000L	-117.273158150	33.9344046516	29	1491960
4214341E	CONCRETE	1992	EASTRIDGE N/S 820' W/O EUCALYPTUS	10772019	22000L	-117.274395733	33.9321661467	29	1491960
4214342E	CONCRETE	1992	EASTRIDGE S/S 640' W/O EUCALYPTUS	10772019	22000L	-117.273804863	33.9324014833	29	1491960
4214343E	CONCRETE	1992	EASTRIDGE N/S 640' W/O EUCALYPTUS	10772019	22000L	-117.273858611	33.9324694117	29	1491960
4214344E	CONCRETE	1992	EASTRIDGE S/S 451' W/O EUCALYPTUS	10772019	22000L	-117.273323614	33.9326954124	29	1491960
4214345E	CONCRETE	1992	EASTRIDGE N/S 451' W/O EUCALYPTUS	10772019	22000L	-117.273374043	33.9327872330	29	1491960
4496718E	CONCRETE	2002	HONEYLOCUST AVE N/S, 42' E/O C/L ACACIA AVE	10772019	9500L	-117.275701902	33.9306410861	27	1491962
4496719E	CONCRETE	2002	HONEYLOCUST AVE N/S, 184' E/O C/L ACACIA AVE	10772019	9500L	-117.275267565	33.9306722753	27	1491962
4508010E	CONCRETE	2003	DAY ST E/S 1224' N/O DRACAEA AVE	10772019	22000L	-117.278806990	33.9310954286	32	1491962
4475548E	CONCRETE	2004	ACACIA AVE N/S, 52' SW/O ARBOR PARK LN	10772019	9500L	-117.274733595	33.9315878347	27	1491962
4475549E	CONCRETE	2004	ACACIA AVE S/S, 290' W/O ARBOR PARK LN	10772019	9500L	-117.275456040	33.9312715507	27	1491962
4475550E	CONCRETE	2004	ACACIA AVE W/S, 443' W/O ARBOR PARK LN	10772019	9500L	-117.275973505	33.9311537774	27	1491962
4486042E	CONCRETE	2004	ARBOR PARK LN SW/S, 39' S/O ACACIA AVE	10772019	9500L	-117.274589620	33.9314821543	27	1491962
4486043E	CONCRETE	2004	ARBOR PARK LN E/S, 38' N/O REDWOOD LN	10772019	9500L	-117.274212399	33.9310356900	27	1491962
4486045E	CONCRETE	2004	REDWOOD LN SE/S, 90' NE/O ARBOR PARK LN	10772019	9500L	-117.273887556	33.9309857633	27	1491962
4486046E	CONCRETE	2004	REDWOOD LN NW/S, 39' SW/O SUMMER HOLLY LN	10772019	9500L	-117.273449804	33.9314336712	27	1491962
4486047E	CONCRETE	2004	SUMMER HOLLY LN NE/S, 164' NW/O REDWOOD LN	10772019	9500L	-117.273709229	33.9317551670	27	1491962
4486048E	CONCRETE	2004	SUMMER HOLLY LN NW/S, 302' NW/O REDWOOD LN	10772019	9500L	-117.274300229	33.9317271165	27	1491962
4486049E	CONCRETE	2004	SUMMER HOLLY LN SW/S, 45' SE/O REDWOOD LN	10772019	9500L	-117.273289038	33.9313748586	27	1491962
4716109E	CONCRETE	2008	EASTRIDGE S/S 880' W/O EUCALYPTUS	10772019	22000L	-117.274490004	33.9320092048	26	1491960
4725931E	CONCRETE	2009	EASTRIDGE S/S 240' E/O DAY ST.	10772019	22000L	-117.278269058	33.9314375916	29	1491960
4214334E	CONCRETE	1992	EASTRIDGE S/S 690' E/O DAY ST	10772019	22000L	-117.276759142	33.9314409200	29	1491960
4212607E	CONCRETE	1992	DAY ST W/S 85' N/O C/L GATEWAY DR	10772019	22000L	-117.278983621	33.9351176449	29	1491960
4475547E	CONCRETE	2004	ARBOR PARK LN E/S, 71' S/O EUCALYPTUS	10772019	9500L	-117.274603878	33.9317467993	27	1491962
4710847E	CONCRETE	2009	S/S GATEWAY DRIVE 275' W/O EUCALYPTUS	10772019	22000L	-117.274429896	33.9350714916	29	1491960
4059259E	CONCRETE	1990	N/S BROMPTON, 50' E/O STANHOPE	10772022	9500L	-117.265593419	33.9321185358	25	1491962
4059260E	CONCRETE	1990	S/S BROMPTON, 100' E/O GERRARD	10772022	9500L	-117.266218046	33.9320327927	25	1491962
4059261E	CONCRETE	1990	W/S GERRARD, 80' N/O BROMPTON	10772022	9500L	-117.266788650	33.9322881157	25	1491962
4112067E	CONCRETE	1989	E/S BALBOA, 50' S/O BELAIRE	10772022	9500L	-117.269130343	33.9309649529	25	1491962
4112068E	CONCRETE	1989	S/S BELAIRE, 20' E/O WHITEHALL	10772022	9500L	-117.268208216	33.9310898434	25	1491962
4112069E	CONCRETE	1989	N/S BELAIRE, 365' E/O WHITEHALL	10772022	9500L	-117.267080809	33.9310913874	25	1491962
4112070E	CONCRETE	1989	S/S BELAIRE, 55' W/O BRENTWOOD	10772022	9500L	-117.266320461	33.9310048693	25	1491962
4112362E	CONCRETE	1989	E/S ELSWORTH, 276' S/O EUCALYPTUS	10772022	9500L	-117.269734334	33.9310674751	25	1491962
4114227E	CONCRETE	1989	N/S SOUTHWALK, 40' E/O BRITANNIA	10772022	9500L	-117.269883502	33.9324998727	25	1491962
4114228E	CONCRETE	1989	S/S SOUTHWALK, 290' E/O BRITANNIA	10772022	9500L	-117.269277236	33.9322156965	25	1491962
4114229E	CONCRETE	1992	N/S SOUTHWALK ST., 10' E/O C/L OF WHITEHALL	10772022	9500L	-117.268206371	33.9321442980	25	1491962
4114230E	CONCRETE	1992	EAST END OF SOUTHWALK ST.	10772022	9500L	-117.267596298	33.9320323931	25	1491962
2339286E	CONCRETE	1984	LAKOTA W/S 55' S/O PAHUTE	10772022	9500L	-117.264528166	33.9309322785	25	1491962
2339296E	CONCRETE	1984	PAHUTE N/S @ LAKOTA	10772022	9500L	-117.264476340	33.9310848428	25	1491962
2339297E	CONCRETE	1984	PAHUTE N/S 170' W/O LAKOTA	10772022	9500L	-117.265143021	33.9310380530	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2339298E	CONCRETE	1984	PAHUTE S/S 85' W/O PAN AM	10772022	9500L	-117.264061418	33.9310216218	25	1491962
4056553E	CONCRETE	1989	W/S PAN AM, 45' N/O BROMPTON	10772022	9500L	-117.263445582	33.9321322707	25	1491962
4059256E	CONCRETE	1990	W/S PAN AM, 50' N/O BROMPTON	10772022	9500L	-117.263710776	33.9322073674	25	1491962
4059257E	CONCRETE	1990	S/S BROMPTON, 200' W/O PAN AM	10772022	9500L	-117.264360556	33.9320263124	25	1491962
4059258E	CONCRETE	1990	S/S BROMPTON, 300' E/O STANHOPE	10772022	9500L	-117.264851857	33.9320288536	25	1491962
4059262E	CONCRETE	1990	E/S BROMPTON, 45' N/O WIMPOLE	10772022	9500L	-117.266638195	33.9329678759	25	1491962
4059263E	CONCRETE	1990	S/S WIMPOLE, 180' E/O GERRARD	10772022	9500L	-117.266186446	33.9327707655	25	1491962
4059267E	CONCRETE	1990	W/S GERRARD, 40' S/O PARKHAM	10772022	9500L	-117.266786356	33.9334416613	25	1491962
4059268E	CONCRETE	1990	S/S PARKHAM, 20' W/O TIVERTON	10772022	9500L	-117.265863928	33.9335057157	25	1491962
4059273E	CONCRETE	1990	N/S DOWNING, 50' W/O HERITAGE	10772022	9500L	-117.266214505	33.9347592010	25	1491962
4059274E	CONCRETE	1990	S/S DOWNING, 40' W/O GERRARD	10772022	9500L	-117.266890803	33.9346667645	25	1491962
4059275E	CONCRETE	1990	E/S GERRARD, 190' N/O PARKHAM	10772022	9500L	-117.266676084	33.9340697930	25	1491962
4114212E	CONCRETE	1989	E/S GREENWICH, 170' S/O DOWNING	10772022	9500L	-117.270258794	33.9335541692	25	1491962
4114213E	CONCRETE	1989	W/S BRITANNIA, 300' N/O SOUTHWALK	10772022	9500L	-117.269363481	33.9332098967	25	1491962
4114214E	CONCRETE	1992	E/S PEMBRIDGE DR., 25' S/O CHELSEA CT.	10772022	9500L	-117.268558844	33.9327373399	25	1491962
4114215E	CONCRETE	1992	N/S CHELSEA CT., 220' E/O PEMBRIDGE DR.	10772022	9500L	-117.267871192	33.9328431266	25	1491962
4114216E	CONCRETE	1992	W/S PEMBRIDGE DR., 30' S/O PARKHAM ST.	10772022	9500L	-117.268544224	33.9334594415	25	1491962
4114217E	CONCRETE	1992	N/S PARKHAM ST., 40' W/O NORWICH CT.	10772022	9500L	-117.267770574	33.9335925816	25	1491962
4114218E	CONCRETE	1992	E/S NORWICH CT., 180' N/O PARKHAM ST.	10772022	9500L	-117.267556677	33.9339717146	25	1491962
4114219E	CONCRETE	1992	E/S PEMBRIDGE DR., 200' N/O PARKHAM ST.	10772022	9500L	-117.268422988	33.9342142430	25	1491962
4114220E	CONCRETE	1991	N/S DOWNING, 271' E/O PEMBRIDGE	10772022	9500L	-117.267635801	33.9347314533	25	1491962
4114221E	CONCRETE	1991	S/S DOWNING, 40' W/O PEMBRIDGE	10772022	9500L	-117.268680922	33.9345971662	25	1491962
4114222E	CONCRETE	1989	S/S DOWNING, 40' W/O BARONS	10772022	9500L	-117.269773956	33.9342930617	25	1491962
4114223E	CONCRETE	1989	E/S BARONS, 200' S/O DOWNING	10772022	9500L	-117.269359545	33.9339162711	25	1491962
4114224E	CONCRETE	1989	N/S DOWNING, 50' W/O GREENWICH	10772022	9500L	-117.270846342	33.9338751368	25	1491962
4114225E	CONCRETE	1989	E/S SOUTHWALK, 50' S/O DOWNING	10772022	9500L	-117.271135962	33.9332761390	25	1491962
4114226E	CONCRETE	1989	W/S SOUTHWALK, 40' N/O CARNABY	10772022	9500L	-117.270789664	33.9328821087	25	1491962
4056554E	CONCRETE	1989	E/S PAN AM, 380' N/O BROMPTON	10772022	9500L	-117.263672123	33.9329490742	25	1491962
4056555E	CONCRETE	1989	E/S PAN AM, 190' N/O PARKHAM	10772022	9500L	-117.264015952	33.9341332154	25	1491962
4056561E	CONCRETE	1989	W/S PAN AM, 380' N/O PARKHAM	10772022	9500L	-117.264140000	33.9347826003	25	1491962
4059264E	CONCRETE	1990	N/S WIMPOLE, 390' E/O GERRARD	10772022	9500L	-117.265520378	33.9328666823	25	1491962
4059265E	CONCRETE	1990	S/S WIMPOLE, 390' W/O PAN AM	10772022	9500L	-117.265040354	33.9327711840	25	1491962
4059266E	CONCRETE	1990	N/S WIMPOLE, 150' W/O PAN AM	10772022	9500L	-117.264304406	33.9328658577	25	1491962
4059269E	CONCRETE	1990	N/S PARKHAM, 45' W/O LAMBETH	10772022	9500L	-117.265119516	33.9336382021	25	1491962
4059270E	CONCRETE	1990	S/S PARKHAM, 260' E/O LAMBETH	10772022	9500L	-117.264208974	33.9335518911	25	1491962
4059271E	CONCRETE	1990	E/S LAMBETH, 230' N/O PARKHAM	10772022	9500L	-117.264900607	33.9343858312	25	1491962
4059272E	CONCRETE	1990	S/S DOWNING, 60' W/O LAMBETH	10772022	9500L	-117.265228471	33.9346701944	25	1491962
4059276E	CONCRETE	1990	NORTH END OF TIVERTON	10772022	9500L	-117.265822667	33.9339946185	25	1491962
4112357E	CONCRETE	1989	N/S EUCALYPTUS, 59' E/O STANHOPE	10772022	22000L	-117.265624707	33.9315916305	29	1491960
4112358E	CONCRETE	1989	S/S EUCALYPTUS, 941' E/O ELSWORTH	10772022	22000L	-117.266452288	33.9315049114	29	1491960
4112359E	CONCRETE	1989	N/S EUCALYPTUS, 722' E/O ELSWORTH	10772022	22000L	-117.267147925	33.9315669232	29	1491960
4112360E	CONCRETE	1989	S/S EUCALYPTUS, 432' E/O ELSWORTH	10772022	22000L	-117.267960868	33.9314889051	29	1491960
4112361E	CONCRETE	1989	N/S EUCALYPTUS, 206' E/O ELSWORTH	10772022	22000L	-117.268747381	33.9316589559	29	1491960
4112363E	CONCRETE	1989	S/S EUCALYPTUS, 63' W/O ELSWORTH	10772022	22000L	-117.269736121	33.9317991724	29	1491960
4112365E	CONCRETE	1989	N/S EUCALYPTUS, 319' W/O ELSWORTH	10772022	22000L	-117.270450915	33.9322460355	29	1491960
2339255E	CONCRETE	1984	EUCALYPTUS S/S 25' E/O PAN AM	10772022	22000L	-117.263545237	33.9315133346	29	1491960
2339256E	CONCRETE	1984	EUCALYPTUS S/S 315' W/O PAN AM	10772022	22000L	-117.264623920	33.9314925710	29	1491960
4112356E	CONCRETE	1989	N/S EUCALYPTUS, 55' E/O PAN AM	10772022	22000L	-117.263450861	33.9315835232	29	1491960
4058927E	CONCRETE	1989	W/S HERITAGE, 268' N/O TOWNGATE	10772022	22000L	-117.266113394	33.9359249090	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4112366E	CONCRETE	1989	N/S EUCALYPTUS, 475' E/O TOWNGATE	10772022	22000L	-117.271072244	33.9326344795	29	1491960
4112367E	CONCRETE	1989	N/S EUCALYPTUS, 298' E/O EASTRIDGE	10772022	22000L	-117.271537016	33.9330050725	29	1491960
4112368E	CONCRETE	1989	N/S EUCALYPTUS, 82' E/O EASTRIDGE	10772022	22000L	-117.271913762	33.9333594515	29	1491960
4112369E	CONCRETE	1989	N/S TOWNGATE, 57' W/O SOUTHGATE	10772022	22000L	-117.269499663	33.9351194534	29	1491960
4112371E	CONCRETE	1989	S/S TOWNGATE, 336' W/O SOUTHGATE	10772022	22000L	-117.270236722	33.9347310887	29	1491960
4112372E	CONCRETE	1989	N/S TOWNGATE, 336' W/O SOUTHGATE	10772022	22000L	-117.270380118	33.9347553040	29	1491960
4112373E	CONCRETE	1989	S/S TOWNGATE, 538' W/O SOUTHGATE	10772022	22000L	-117.270833448	33.9344048884	29	1491960
4112374E	CONCRETE	1989	N/S TOWNGATE, 538' W/O SOUTHGATE	10772022	22000L	-117.270925646	33.9344582954	29	1491960
4112375E	CONCRETE	1989	S/S TOWNGATE, 784' W/O SOUTHGATE	10772022	22000L	-117.271252546	33.9341268176	29	1491960
4112376E	CONCRETE	1989	N/S TOWNGATE, 784' W/O SOUTHGATE	10772022	22000L	-117.271373797	33.9341511953	29	1491960
4112377E	CONCRETE	1989	S/S TOWNGATE, 755' W/O HERITAGE	10772022	22000L	-117.268660791	33.9351565791	29	1491960
4112378E	CONCRETE	1989	N/S TOWNGATE, 755' W/O HERITAGE	10772022	22000L	-117.268685639	33.9352374060	29	1491960
4112379E	CONCRETE	1989	S/S TOWNGATE, 550' W/O HERITAGE	10772022	22000L	-117.267898871	33.9351979103	29	1491960
4112380E	CONCRETE	1989	N/S TOWNGATE, 550' W/O HERITAGE	10772022	22000L	-117.267929230	33.9352948621	29	1491960
4112381E	CONCRETE	1989	S/S TOWNGATE, 306' W/O HERITAGE	10772022	22000L	-117.267072635	33.9352477277	29	1491960
4112382E	CONCRETE	1989	N/S TOWNGATE, 306' W/O HERITAGE	10772022	22000L	-117.267096480	33.9353447296	29	1491960
4207204E	CONCRETE	1991	S/S EASTRIDGE, 61' W/O SOUTHGATE	10772022	22000L	-117.269501366	33.9350042896	29	1491960
4214346E	CONCRETE	1992	EASTRIDGE S/S 256' W/O EUCALYPTUS	10772022	22000L	-117.272792968	33.9330609647	29	1491960
4214347E	CONCRETE	1992	EASTRIDGE N/S 256' W/O EUCALYPTUS	10772022	22000L	-117.272859535	33.9331327324	29	1491960
4058915E	CONCRETE	1989	S/S EASTRIDGE, 483' W/O FREDERICK	10772022	22000L	-117.263254430	33.9352519212	29	1491960
4058917E	CONCRETE	1989	N/S EASTRIDGE, 686' W/O FREDERICK	10772022	22000L	-117.263899995	33.9353623402	29	1491960
4058918E	CONCRETE	1989	S/S EASTRIDGE, 686' W/O FREDERICK	10772022	22000L	-117.263922618	33.9352432274	29	1491960
4058919E	CONCRETE	1989	N/S EASTRIDGE, 954' W/O FREDERICK	10772022	22000L	-117.264667600	33.9353510115	29	1491960
4058920E	CONCRETE	1989	S/S EASTRIDGE, 954' W/O FREDERICK	10772022	22000L	-117.264664097	33.9352350287	29	1491960
4058921E	CONCRETE	1989	S/S EASTRIDGE, 1204' W/O FREDERICK	10772022	22000L	-117.265631949	33.9352551376	29	1491960
4058922E	CONCRETE	1989	N/S EASTRIDGE, 1204' W/O FREDERICK	10772022	22000L	-117.265637445	33.9353490505	29	1491960
4318396E	CONCRETE	1998	PAN AM S/O EUCALYPTUS	10772022	9500L	-117.263557135	33.9311156812	31	1491962
4230062E	CONCRETE	1999	EUCALYPTUS AVE. S/S, 330' W/O C/L ESLWORTH S	10772022	22000L	-117.270545431	33.9321565109	32	1491960
4486050E	CONCRETE	2004	SUMMER HOLLY LN NE/S, 238' SE/O REDWOOD LN	10772022	9500L	-117.272742096	33.9311701599	27	1491962
4529646E	CONCRETE	2005	E/S HERITAGE, 276' N/O EASTRIDGE	10772022	22000L	-117.265979740	33.9359775125	31	1491960
4214348E	CONCRETE	1992	N/E CORNER EASTRIDGE & EUCALYPTUS	10772022	22000L	-117.272222692	33.9336320119	29	1491960
4214349E	CONCRETE	1992	N/W CORNER EUCALYPTUS & MEMORIAL	10772022	22000L	-117.272345957	33.9335175149	29	1491960
4532012E	CONCRETE	2008	EUCALYPTUS AVE S/S 288'E/O MEMORIAL WY	10772022	22000L	-117.271602287	33.9328911426	32	1491960
4532013E	CONCRETE	2009	EUCALYPTUS AVE S/S 388' E/O MEMORIAL WAY	10772022	22000L	-117.271378602	33.9326987060	32	1491960
2293594E	CONCRETE	1983	SUNNYMEADOWS W/S 185 N/O EUCALYPTUS	10772025	9500L	-117.257924422	33.9320776860	30	1491962
2309393E	CONCRETE	1985	ADELIN AVE, W/S, COR/O LENA ST	10772025	9500L	-117.258832133	33.9311009989	25	1491962
2309394E	CONCRETE	1985	LENA ST, N/S, 95' E/O ADELIN AVE	10772025	9500L	-117.258300565	33.9311525313	25	1491962
2309395E	CONCRETE	1985	LENA ST, 310' E/O ADELIN AVE	10772025	9500L	-117.257576561	33.9311093550	25	1491962
2309396E	CONCRETE	1985	LENA ST, N/S, 520' E/O ADELIN AVE	10772025	9500L	-117.256999455	33.9312362205	25	1491962
2315168E	CONCRETE	1985	ADELIN AVE, W/S, 180' N/O EUCALYPTUS AVE	10772025	9500L	-117.258851031	33.9320627468	25	1491962
2339263E	CONCRETE	1984	OAKDELL E/S @ PAHUTE	10772025	9500L	-117.261900919	33.9310955181	25	1491962
2339294E	CONCRETE	1984	PAHUTE S/S 80' E/O TONIKAN	10772025	9500L	-117.262471051	33.9310404282	25	1491962
2339295E	CONCRETE	1984	PAHUTE N/S 205' E/O PAN AM	10772025	9500L	-117.262890357	33.9311163681	25	1491962
2339910E	CONCRETE	1985	KOCHI DR, E/S, COR/O BAGATELLE ST	10772025	9500L	-117.259648318	33.9310741489	25	1491962
2339930E	CONCRETE	1985	BAGATELLE ST, N/S, 90' W/O KOCHI DR	10772025	9500L	-117.260147634	33.9311240482	25	1491962
2339942E	CONCRETE	1985	BAGATELLE ST, N/S, 300' W/O KOCHI DR	10772025	9500L	-117.260730432	33.9310671757	25	1491962
4056551E	CONCRETE	1989	N/S BROMPTON, 290' E/O PAN AM	10772025	9500L	-117.262145503	33.9321642120	25	1491962
4056552E	CONCRETE	1989	S/S BROMPTON, 195' E/O PAN AM	10772025	9500L	-117.262997880	33.9320556141	25	1491962
2207384E	CONCRETE	1983	TIERRA CYN E/S 220 N/O LA MESA LN	10772025	9500L	-117.254242868	33.9311656354	30	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2286934E	CONCRETE	1984	VALLEY RANCH RD S/S 75 E/O VALLEY SPRINGS	10772025	9500L	-117.254748321	33.9323060442	25	1491962
2286935E	CONCRETE	1984	VALLEY SPRINGS W/S 145 N/O EUCALYPTUS	10772025	9500L	-117.255136110	33.9321120341	25	1491962
2301779E	CONCRETE	1984	C/O VALLEY RANCH AND SUNNYGLEN S/S	10772025	9500L	-117.253306552	33.9323039836	25	1491962
2327688E	CONCRETE	1984	VALLEY RANCH RD S/S GLENMERE	10772025	9500L	-117.254209808	33.9322969275	25	1491962
2327689E	CONCRETE	1984	GLENMERE E/S 65 N/O VALLEY RANCH RD	10772025	9500L	-117.254164447	33.9324687932	25	1491962
2327693E	CONCRETE	1984	VALLEY RANCH RD N/S 115 E/O GLENMERE	10772025	9500L	-117.253733131	33.9324183229	25	1491962
4057909E	CONCRETE	1988	VALLEY SPRINGS DR E/S, 45' S/O EUCALYPTUS AVE	10772025	9500L	-117.255132670	33.9315009109	25	1491962
4057910E	CONCRETE	1988	VALLEY SPRINGS DR E/S, 170' S/O EUCALYPTUS AVE	10772025	9500L	-117.255010035	33.9311592185	25	1491962
4057911E	CONCRETE	1988	VALLEY SPRINGS DR S/S, 175' E/O ALEXIS	10772025	9500L	-117.255586041	33.9311311521	25	1491962
4057912E	CONCRETE	1988	VALLEY SPRINGS DR N/S, 30' N/O ALEXIS	10772025	9500L	-117.256309073	33.9312228982	25	1491962
2245138E	CONCRETE	1983	SUNNYMEADOWS W/S 320 S/O PARK VALLEY	10772025	9500L	-117.257985469	33.9362465984	25	1491962
2245142E	CONCRETE	1983	MEADBERRY W/S 140 N/O DEW DROP	10772025	9500L	-117.256944656	33.9359291089	25	1491962
2245143E	CONCRETE	1983	MEADBERRY 30 S/O DEW DROP	10772025	9500L	-117.256974438	33.9355151752	25	1491962
2245145E	CONCRETE	1983	MEADBERRY W/S & OLD VALLEY	10772025	9500L	-117.256958017	33.9347127952	25	1491962
2245342E	CONCRETE	1983	PENSKE W/S 110 N/O YARBOROUGH	10772025	9500L	-117.259798373	33.9362842552	30	1491962
2245343E	CONCRETE	1983	PENSKE W/S 25 S/O YARBOROUGH	10772025	9500L	-117.259814829	33.9359647913	30	1491962
2245344E	CONCRETE	1983	YARBOROUGH E/S 150 E/O PENSKE	10772025	9500L	-117.259220623	33.9360792889	30	1491962
2245345E	CONCRETE	1983	PENSKE W/S C/O GURNEY	10772025	9500L	-117.259784805	33.9352786414	30	1491962
2245346E	CONCRETE	1983	GURNEY E/S 145 E/O PENSKE	10772025	9500L	-117.259243756	33.9352808349	30	1491962
2245347E	CONCRETE	1983	PENSKE W/S 120 N/O SURTEES	10772025	9500L	-117.259795960	33.9348136208	30	1491962
2245348E	CONCRETE	1983	PENSKE W/S C/O SURTEES	10772025	9500L	-117.259786537	33.9343843330	30	1491962
2245349E	CONCRETE	1983	SURTEES E/S 145 E/O PENSKE	10772025	9500L	-117.259160985	33.9345266865	30	1491962
2245350E	CONCRETE	1983	PENSKE E/S 290 E/O ANDERTTI	10772025	9500L	-117.259675158	33.9340214542	30	1491962
2245704E	CONCRETE	1983	ANDRETTI W/S 55 N/O YARBOROUGH	10772025	9500L	-117.260786367	33.9361494312	30	1491962
2245707E	CONCRETE	1983	ANDRETTI E/S 70 S/O YARBOROUGH	10772025	9500L	-117.260641310	33.9357697501	30	1491962
2245708E	CONCRETE	1983	ANDRETTI W/S 260 S/O YARBOROUGH	10772025	9500L	-117.260756973	33.9353560273	25	1491962
2245710E	CONCRETE	1983	ANDRETTI E/S 260 N/O PENSKE	10772025	9500L	-117.260615789	33.9346270960	30	1491962
2245713E	CONCRETE	1983	ANDERTTI W/S 80 N/O PENSKE	10772025	9500L	-117.260797336	33.9342365930	30	1491962
2245714E	CONCRETE	1983	ANDERTTI N/S 60 S/O PENSKE	10772025	9500L	-117.260633292	33.9338616330	30	1491962
2245801E	CONCRETE	1983	PENSKE S/S 120 E/O ANDERTTI	10772025	9500L	-117.260223690	33.9339331364	30	1491962
2293584E	CONCRETE	1983	SUNNYMEADOWS W/S 710 N/O BROOKHAVEN	10772025	9500L	-117.257961703	33.9357850597	30	1491962
2293585E	CONCRETE	1983	SUNNYMEADOWS W/S 510 N/O BROOKHAVEN	10772025	9500L	-117.257904852	33.9351949796	30	1491962
2293586E	CONCRETE	1983	SUNNYMEADOWS W/S 330 N/O BROOKHAVEN	10772025	9500L	-117.257926536	33.9347342469	30	1491962
2293587E	CONCRETE	1983	SUNNYMEADOWS W/S 140 N/O BROOKHAVEN	10772025	9500L	-117.257932869	33.9343226186	30	1491962
2293588E	CONCRETE	1983	SUNNYMEADOWS W/S AT S/S BROOKHAVEN	10772025	9500L	-117.257919370	33.9339092033	30	1491962
2293589E	CONCRETE	1983	BROOKHAVEN S/S 160 E/O SUNNYMEADOWS	10772025	9500L	-117.257431069	33.9338700427	30	1491962
2293590E	CONCRETE	1983	BROOKHAVEN S/S 20 E/O MEADBURY	10772025	9500L	-117.256858210	33.9338695927	30	1491962
2293591E	CONCRETE	1983	MEADBURY W/S 65 N/O BROOKHAVEN	10772025	9500L	-117.256971032	33.9340549109	30	1491962
2293592E	CONCRETE	1983	SUNNYMEADOWS W/S 175 S/O BROOKHAVEN	10772025	9500L	-117.257945149	33.9334660684	30	1491962
2293593E	CONCRETE	1983	SUNNYMEADOWS W/S 375 N/O EUCALYPTUS	10772025	9500L	-117.257980198	33.9325521611	30	1491962
2315169E	CONCRETE	1985	ADELINE AVE, E/S, 400' N/O EUCALYPTUS AVE	10772025	9500L	-117.258751461	33.9326805264	25	1491962
2315170E	CONCRETE	1985	ADELINE AVE, 565' N/O EUCALYPTUS	10772025	9500L	-117.258788820	33.9332543741	25	1491962
2362118E	CONCRETE	1986	ATLANTIC CIR, S/S, COR/O ANDRETTI ST	10772025	9500L	-117.260748121	33.9330842984	25	1491962
4112089E	CONCRETE	1990	N/S ATLANTIC CR., 130' E/O ANDRETTI	10772025	9500L	-117.260294519	33.9331717640	25	1491962
4112090E	CONCRETE	1990	EAST END OF ATLANTIC CR.	10772025	9500L	-117.259538881	33.9331497394	25	1491962
2226502E	CONCRETE	1981	VALLEY MEADOWS DR. S/S 150' E/O C/L/O SOFTW	10772025	9500L	-117.253818512	33.9355662503	25	1491962
2226503E	CONCRETE	1981	SOFTWIND DR. W/S AT VALLEY MEADOWS DR.	10772025	9500L	-117.254389199	33.9356489907	25	1491962
2226504E	CONCRETE	1981	SOFTWIND DR. W/S 215' N/O C/L/O VALLEY MEA	10772025	9500L	-117.254243044	33.9362180047	25	1491962
2245144E	CONCRETE	1983	DEW DROP 100 E/O MEADBERRY	10772025	9500L	-117.256304584	33.9355369356	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2269788E	CONCRETE	1982	VALLY MEADOWS E/S 915' S/O SUNNYMEADOWS	10772025	9500L	-117.253344373	33.9359784754	25	1491962
2269789E	CONCRETE	1982	VALLEY MEADOWS E/S 290' E/O SOFTWIND	10772025	9500L	-117.253355538	33.9355600280	25	1491962
2269790E	CONCRETE	1982	SOFTWIND W/S S/O VALLEY MEADOWS	10772025	9500L	-117.254234326	33.9351462756	25	1491962
2269791E	CONCRETE	1982	VALLEY DR. N/S 160' E/O SOFTWIND	10772025	9500L	-117.253805582	33.9348244578	25	1491962
2269793E	CONCRETE	1982	SUNNYGLEN DR. W/S S/O VALLEY DR.	10772025	9500L	-117.253360828	33.9343480168	25	1491962
2269794E	CONCRETE	1982	SUNNYGLEN DR. E/S 430' S/O VSLLEY DR.	10772025	9500L	-117.253246618	33.9337575191	25	1491962
2269795E	CONCRETE	1982	VALLEY DR. & SOFT WIND S/W COR.	10772025	9500L	-117.254322024	33.9347063659	25	1491962
2270165E	CONCRETE	1983	OLD VALLEY S/S 360 W/O SHADYBEND	10772025	9500L	-117.256389284	33.9347017529	30	1491962
2270166E	CONCRETE	1983	OLD VALLEY N/S 180 W/O SHADYBEND	10772025	9500L	-117.255828962	33.9347936243	30	1491962
2270167E	CONCRETE	1983	OLD VALLEY S/S & SHADYBEND	10772025	9500L	-117.255093609	33.9347574013	30	1491962
2270168E	CONCRETE	1983	SHADYBEND E/S 150 N/O OLD VALLEY	10772025	9500L	-117.255249342	33.9351721671	30	1491962
2270169E	CONCRETE	1983	SHADYBEND W/S 350 N/O OLD VALLEY	10772025	9500L	-117.255405327	33.9357858404	30	1491962
2270170E	CONCRETE	1983	SHADYBEND W/S 530 N/O OLD VALLEY	10772025	9500L	-117.255370524	33.9362334190	30	1491962
2286936E	CONCRETE	1984	VALLEY SPRINGS E/S 130 N/O VALLEY RANCH RD	10772025	9500L	-117.254996522	33.9326993483	25	1491962
2286937E	CONCRETE	1984	VALLEY SPRINGS W/S 200 S/O BROOKHAVEN	10772025	9500L	-117.255150055	33.9333664513	25	1491962
2286938E	CONCRETE	1984	VALLEY SPRINGS ES/ @ BROOKHAVEN	10772025	9500L	-117.255003488	33.9338960103	25	1491962
2286939E	CONCRETE	1984	BROOKHAVEN S/S 118 W/O VALLEY SPRINGS	10772025	9500L	-117.255473883	33.9338727861	25	1491962
2286940E	CONCRETE	1984	BROOKHAVEN N/S 260 W/O VALLEY SPRINGS	10772025	9500L	-117.256063438	33.9339793832	25	1491962
2301780E	CONCRETE	1984	SUNNYGLEN W/S 120 N/O VALLEY RANCH	10772025	9500L	-117.253350465	33.9327463690	25	1491962
2301781E	CONCRETE	1984	SUNNYGLEN E/S 330 N/O VALLEY RANCH	10772025	9500L	-117.253236654	33.9332894598	25	1491962
2327690E	CONCRETE	1984	GLENMERE E/S 235 N/O VALLEY RANCH RD	10772025	9500L	-117.254129933	33.9329991325	25	1491962
2327691E	CONCRETE	1984	GLEMERE W/S 420 N/O VALLEY RANCH RD	10772025	9500L	-117.254316278	33.9334287852	25	1491962
2327692E	CONCRETE	1984	GLEMERE END/O CULDESAC N/O VALLEY RANCH	10772025	9500L	-117.254237844	33.9340037999	25	1491962
2293595E	CONCRETE	1983	EUCALYPTUS N/S AT SUNNYMEADOWS	10772025	22000L	-117.257974958	33.9316159744	30	1491960
2309391E	CONCRETE	1986	EUCALYPTUS AVE, S/S, 395' E/O ADELINE AVE	10772025	22000L	-117.257315972	33.9315240061	29	1491960
2309392E	CONCRETE	1986	EUCALYPTUS AVE, S/S, 60' E/O ADELINE AVE	10772025	22000L	-117.258567308	33.9315233425	29	1491960
2315171E	CONCRETE	1985	EUCALYPTUS AVE, N/S, 120' W/O ADELINE AVE	10772025	22000L	-117.259165891	33.9316138337	29	1491960
2315172E	CONCRETE	1985	EUCALYPTUS AVE, N/S, 490' W/O ADELINE AVE	10772025	22000L	-117.260383791	33.9316040616	29	1491960
2339940E	CONCRETE	1985	EUCALYPTUS AVE, S/E COR/O KOCHI DR	10772025	22000L	-117.259652086	33.9315123128	29	1491960
4057907E	CONCRETE	1988	EUCALYPTUS AVE S/S, 480' W/O VALLEY SPRINGS	10772025	22000L	-117.256493235	33.9315652134	29	1491960
4058902E	CONCRETE	1989	W/S FREDERICK, 1086' S/O EASTRIDGE	10772025	22000L	-117.261515666	33.9321884533	29	1491960
4065701E	CONCRETE	1987	EUCALYPTUS S/S 170' W/O FREDRICK	10772025	22000L	-117.261988067	33.9314845287	29	1491960
2245761E	CONCRETE	1983	EUCALYPTUS AV S/S 230 W/O GRAHAM ST	10772025	22000L	-117.253364435	33.9316644669	30	1491960
2245762E	CONCRETE	1983	EUCALYPTUS AV S/S 70 E/O TIERRA CYN	10772025	22000L	-117.254100172	33.9316491069	30	1491960
2286941E	CONCRETE	1984	EUCALLYPTUS N/S 40 W/O VALLEY SPRINGS	10772025	22000L	-117.255225973	33.9317312972	29	1491960
4057908E	CONCRETE	1988	EUCALYPTUS AVE S/S, 280' W/O VALLEY SPRINGS	10772025	22000L	-117.255904299	33.9315862106	29	1491960
2245711E	CONCRETE	1983	FREDERICK E/S 780 S/O BRABHAM	10772025	22000L	-117.261419144	33.9346832130	30	1491960
2245712E	CONCRETE	1983	FREDERICK E/S 1010 S/O BRABHAM	10772025	22000L	-117.261399093	33.9340690395	30	1491960
2309634E	CONCRETE	1985	FREDERICK ST, N/E COR/O ATLANTIC CIRCLE	10772025	22000L	-117.261373918	33.9331840383	29	1491960
4058903E	CONCRETE	1989	W/S FREDERICK, 866' S/O EASTRIDGE	10772025	22000L	-117.261520112	33.9328534356	29	1491960
4058904E	CONCRETE	1989	W/S FREDERICK, 646' S/O EASTRIDGE	10772025	22000L	-117.261529992	33.9334194482	29	1491960
4058905E	CONCRETE	1989	W/S FREDERICK, 426' S/O EASTRIDGE	10772025	22000L	-117.261543686	33.9340293916	29	1491960
4058906E	CONCRETE	1989	W/S FREDERICK, 206' S/O EASTRIDGE	10772025	22000L	-117.261540947	33.9347773449	29	1491960
4058909E	CONCRETE	1989	W/S FREDERICK, 269' N/O EASTRIDGE	10772025	22000L	-117.261546909	33.9360193577	29	1491960
4058912E	CONCRETE	1989	S/S EASTRIDGE, 281' W/O FREDERICK	10772025	22000L	-117.262346851	33.9352497441	29	1491960
4058914E	CONCRETE	1989	N/S EASTRIDGE, 318' W/O FREDERICK	10772025	22000L	-117.262524847	33.9353451977	29	1491960
4058916E	CONCRETE	1989	N/S EASTRIDGE, 483' W/O FREDERICK	10772025	22000L	-117.263081660	33.9353588510	29	1491960
4709522E	CONCRETE	2008	PAVILLION CT W/S 510 N/O BLUEGUM ST	10772025	9500L	-117.253355139	33.9313033943	26	1491962
2725922E	CONCRETE	2009	EUCALYPTUS AVE. S/S 150' W/O TIERRA CYN CT.	10772025	22000L	-117.254643442	33.9316416560	25	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4725942E	CONCRETE	2010	FREDERICK E/O 330 S/O BRABHAM	10772025	22000L	-117.261399145	33.9359141281	30	1491960
2203904E	CONCRETE	1981	ELYCE CT. N/S 400' E/O RUNNING DEER	10772028	5800L	-117.246418439	33.9313173906	25	1491962
2203902E	CONCRETE	1981	RUNNING DEER W/S 10' N/O ELYCE CT.	10772028	9500L	-117.247685890	33.9313021996	25	1491962
2203903E	CONCRETE	1981	ELYCE CT. N/S 170' E/O RUNNING DEER	10772028	9500L	-117.246960816	33.9313307293	25	1491962
2225855E	CONCRETE	1982	ALONA ST. E/S 170' N/O EUCALYPTUS	10772028	9500L	-117.248487367	33.9323879259	25	1491962
2225856E	CONCRETE	1982	GROHAM ST. S/S 150' W/O ALONA ST.	10772028	9500L	-117.249162822	33.9322733107	25	1491962
2225857E	CONCRETE	1982	GROHAM ST. S/S 96' E/O FOXDALE DR.	10772028	9500L	-117.249694669	33.9323060888	25	1491962
2225858E	CONCRETE	1982	GROHAM ST. S/S 100' W/O FOXDALE DR.	10772028	9500L	-117.250386449	33.9322958629	25	1491962
2225859E	CONCRETE	1982	FOXDALE ST. W/S 100' N/O GROHAM ST.	10772028	9500L	-117.250112963	33.9326383856	25	1491962
2225860E	CONCRETE	1982	GROHAM ST. S/S 50' W/O CROSSMONT PL.	10772028	9500L	-117.251055350	33.9322955290	25	1491962
2225861E	CONCRETE	1982	GROHAM ST. S/S 223' W/O CROSSMONT PL.	10772028	9500L	-117.251658479	33.9323064239	25	1491962
2226098E	CONCRETE	1981	LARKHAVEN N/S 380' E/O GOLDFINCH	10772028	9500L	-117.248637072	33.9312892995	25	1491962
2226099E	CONCRETE	1981	LARKHAVEN N/S 150 E/O GOLDFINCH	10772028	9500L	-117.249278920	33.9312701855	25	1491962
2272973E	CONCRETE	1983	N/END/O SUNLIT CT	10772028	9500L	-117.251813293	33.9313939948	30	1491962
2272976E	CONCRETE	1983	W/S SUNBIRD 140 S/O EUCALYPTUS	10772028	9500L	-117.250873237	33.9312647776	30	1491962
2272977E	CONCRETE	1983	SE/COR/O SUNBIRD AND EUCALYPTUS	10772028	9500L	-117.250719754	33.9316599377	30	1491962
2225862E	CONCRETE	1982	GROHAM ST. W/S 770' S/O OLD VALLEY RD.	10772028	9500L	-117.251994114	33.9326715205	25	1491962
2225863E	CONCRETE	1982	GROHAM ST. W/S 590' S/O OLD VALLEY RD.	10772028	9500L	-117.251922692	33.9331514263	25	1491962
2225864E	CONCRETE	1982	GROHAM ST. E/S 210' S/O OLD VALLEY RD.	10772028	9500L	-117.251905155	33.9335793554	25	1491962
2225865E	CONCRETE	1982	GROHAM ST. E/S 210' S/O OLD VALLEY DR.	10772028	9500L	-117.251920644	33.9340656244	25	1491962
2225867E	CONCRETE	1982	CROSSMONT PL. W/S 730' N/O GROHAM ST.	10772028	9500L	-117.251305527	33.9343660679	25	1491962
2225868E	CONCRETE	1982	CROSSMONT PL. W/S 560' N/O GROHAM ST.	10772028	9500L	-117.251258249	33.9338505039	25	1491962
2225869E	CONCRETE	1982	CROSSMONT PL. W/S 380' N/O GROHAM ST.	10772028	9500L	-117.251186082	33.9333619725	25	1491962
2225870E	CONCRETE	1982	CROSSMONT PL. W/S 170' N/O GROHAM ST.	10772028	9500L	-117.251012526	33.9328588905	25	1491962
2225879E	CONCRETE	1982	FOXDALE DR. W/S 10' N/O MYSTIC CT.	10772028	9500L	-117.250195165	33.9331196508	25	1491962
2225880E	CONCRETE	1982	MYSTIC CT. S/S 150' E/O FOXDALE ST.	10772028	9500L	-117.249399430	33.9331458592	25	1491962
2225881E	CONCRETE	1982	FOXDALE DR. W/S 125' S/O ALONA ST.	10772028	9500L	-117.250258928	33.9335939710	25	1491962
2225882E	CONCRETE	1982	FOXDALE DR. E/S 40' N/O ALONA ST.	10772028	9500L	-117.250135849	33.9340507448	25	1491962
2225883E	CONCRETE	1982	CROSSMONT PL. S/S 130' W/O FOXDALE DR.	10772028	9500L	-117.250637733	33.9344526433	25	1491962
2225884E	CONCRETE	1982	FOXDALE DR. E/S 30' S/O CROSSMONT PL.	10772028	9500L	-117.250153878	33.9344568876	25	1491962
2225885E	CONCRETE	1982	FOXDALE DR. E/S 135' N/O CROSSMONT PL.	10772028	9500L	-117.250135065	33.9349069710	25	1491962
2225886E	CONCRETE	1982	FOXDALE DR. E/S 15' S/O DAMIAN ST.	10772028	9500L	-117.250136268	33.9352067502	25	1491962
2225887E	CONCRETE	1982	FOXDALE DR. W/S 140' N/O DAMIANM ST.	10772028	9500L	-117.250283897	33.9356318440	25	1491962
2225888E	CONCRETE	1982	FOXDALE ST. W/S 150' S/O GAMMA ST.	10772028	9500L	-117.250271902	33.9363853578	30	1491962
2225890E	CONCRETE	1982	DAMIAN ST. S/S 100' E/O DREW CT.	10772028	9500L	-117.250838765	33.9351652423	25	1491962
2225891E	CONCRETE	1982	DREW CT, 110' N/O DAMIAN ST.	10772028	9500L	-117.251140647	33.9355701628	25	1491962
2225892E	CONCRETE	1982	DREW CT. W/S 280' N/O DAMIAN ST.	10772028	9500L	-117.251177811	33.9361387401	25	1491962
2225894E	CONCRETE	1982	DAMIAN ST. S/S 100' W/O DREW CT.	10772028	9500L	-117.251484918	33.9351628221	25	1491962
2225896E	CONCRETE	1982	GROHAM ST W/S 30' S/O DAMIAN ST.	10772028	9500L	-117.252026476	33.9351154027	25	1491962
2225897E	CONCRETE	1982	GROHAM ST. W/S 150' N/O DAMIAN ST.	10772028	9500L	-117.252046289	33.9355265619	25	1491962
2225899E	CONCRETE	1982	DREW ST. W/S 420' N/O DAMIAN ST.	10772028	9500L	-117.252049723	33.9362546660	25	1491962
2269792E	CONCRETE	1982	SUNNYGLEN DR. /VALLEY DR. S/E COR.	10772028	9500L	-117.253270553	33.9347263780	25	1491962
2270607E	CONCRETE	1982	ALONA ST. E/S 150' N/O GORHAM ST.	10772028	9500L	-117.248491054	33.9328204473	25	1491962
2270608E	CONCRETE	1982	ALONA ST. W/S 330' N/O GORHAM ST.	10772028	9500L	-117.248661854	33.9332348698	25	1491962
2270609E	CONCRETE	1982	ALONA ST. E/S 230' E/O LATEEN DR.	10772028	9500L	-117.248479991	33.9336606187	25	1491962
2270610E	CONCRETE	1982	ALONA ST. S/S 50' E/O LATEEN ST.	10772028	9500L	-117.249107751	33.9338872877	25	1491962
2270611E	CONCRETE	1982	ALONA ST. S/S 130' W/O LATEEN DR.	10772028	9500L	-117.249677736	33.9338630637	25	1491962
2270613E	CONCRETE	1982	LATEEN DR W/S 20' N/O DONCASTER DR.	10772028	9500L	-117.249333173	33.9347419555	25	1491962
2270614E	CONCRETE	1982	LATEEN DR. W/S 195' N/O DONCASTER DR.	10772028	9500L	-117.249352935	33.9351857513	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2270615E	CONCRETE	1982	LATEEN DR. W/S 380' N/O DONCASTER DR.	10772028	9500L	-117.249310771	33.9356385682	25	1491962
2270616E	CONCRETE	1982	LATEEN DR. N/S 560' N/O DONCASTER DR.	10772028	9500L	-117.249293385	33.9360541651	25	1491962
2270617E	CONCRETE	1982	DONCASTER DR. S/S 120' E/O ARGO PL.	10772028	9500L	-117.248734140	33.9346737171	25	1491962
2270618E	CONCRETE	1982	DONCASTER DR. S/S 65' E/O ARGO PL	10772028	9500L	-117.248188565	33.9346753882	25	1491962
2270619E	CONCRETE	1982	ARGO PL. W/S 95' N/O DONCASTER ST.	10772028	9500L	-117.248433000	33.9350832774	25	1491962
2270620E	CONCRETE	1982	ARGO PL. E/S 195' N/O DONCASTER DR.	10772028	9500L	-117.248280710	33.9354213442	25	1491962
2270621E	CONCRETE	1982	ARGO PL. W/S 310' S/O GAMMA ST.	10772028	9500L	-117.248422348	33.9359482401	25	1491962
2270622E	CONCRETE	1982	ARGO PL. W/S 150' S/O GAMMA ST.	10772028	9500L	-117.248432566	33.9363813584	25	1491962
2270627E	CONCRETE	1982	DONCASTER ST. 30' W/O SHAFFER CT.	10772028	9500L	-117.247516079	33.9346875435	25	1491962
2270628E	CONCRETE	1982	DONCASTER ST. S/S 140' E/O SHAFFER CT.	10772028	9500L	-117.247027437	33.9346746838	25	1491962
2270630E	CONCRETE	1982	GAMMA ST. 70' S/O URIS ST.	10772028	9500L	-117.246849688	33.9347960863	25	1491962
2270631E	CONCRETE	1982	GAMMA ST. W/S 100' N/O URIS ST.	10772028	9500L	-117.246569585	33.9353986915	25	1491962
2270632E	CONCRETE	1982	GAMMA ST. E/S 280' N/O URIS ST.	10772028	9500L	-117.246567622	33.9362953730	25	1491962
2270635E	CONCRETE	1982	SHAFFER CR. W/S 170' N/O DONCASTER DR.	10772028	9500L	-117.247506273	33.9352241961	25	1491962
2270636E	CONCRETE	1982	SHAFFER CR. W/S 350' N/O DONCASTER DR.	10772028	9500L	-117.247496731	33.9355893823	25	1491962
2270637E	CONCRETE	1982	SHAFFER CT. 520' N/O DONCASTER DR.	10772028	9500L	-117.247409830	33.9359526340	25	1491962
2203905E	CONCRETE	1981	EUCALYPTUS AV. S/S 150' W/O RUNNING DEER	10772028	22000L	-117.248047867	33.9316794158	30	1491960
2203906E	CONCRETE	1981	EUCALYPTUS AV. S/S 35' E/O RUNNING DEER	10772028	22000L	-117.247492874	33.9316765865	30	1491960
2203907E	CONCRETE	1981	EUCALYPTUS AV. S/S 280' N/O RUNNING DEER	10772028	22000L	-117.246683857	33.9316909203	30	1491960
2206721E	CONCRETE	1981	EUCALYPTUS/S 235' E/O GOLDFINCH	10772028	22000L	-117.249039273	33.9316887421	25	1491960
2206722E	CONCRETE	1981	GOLDFINCH E/S 50' N/O LARKHAVEN	10772028	22000L	-117.249736765	33.9313752421	25	1491960
2225871E	CONCRETE	1982	EUCALYPTUS AVE. N/S 510' W/O ALONA ST.	10772028	22000L	-117.250259535	33.9317488725	29	1491960
2225872E	CONCRETE	1982	EUCALYPTUS AVE N/S 450' E/O GRAHAM ST.	10772028	22000L	-117.251053922	33.9317562891	29	1491960
2225873E	CONCRETE	1982	EUCALYPTUS AVE. N/S 240' E/I GRAHAM ST.	10772028	22000L	-117.251787730	33.9317546460	29	1491960
2225875E	CONCRETE	1982	GRAHAM ST. E/S 310' N/O EUCALYPTUS	10772028	22000L	-117.252661340	33.9326121919	29	1491960
2226100E	CONCRETE	1981	EUCALYPTUS S/S 420' E/O GOLDFINCH	10772028	9500L	-117.248400089	33.9316817204	25	1491960
2245759E	CONCRETE	1983	GRAHAM ST W/S 390 W/O BLUEGUM ST	10772028	22000L	-117.252553228	33.9310630840	30	1491960
2203908E	CONCRETE	1981	EUCALYPTUS AV. S/S 500' E/O RUNNING DEER	10772028	22000L	-117.245838080	33.9316901336	30	1491960
2228290E	CONCRETE	1986	HEACOCK ST, W/S, 311' N/O EUCALYPTUS AVE	10772028	22000L	-117.243847512	33.9321184857	29	1491960
2225876E	CONCRETE	1982	GRAHAM ST. E/S 480' N/O EUCALYPTUS	10772028	22000L	-117.252553156	33.9330615841	29	1491960
2225877E	CONCRETE	1982	GRAHAM ST. E/S 310' S/O OLD VALLEY DR.	10772028	22000L	-117.252612321	33.9340078726	29	1491960
2225878E	CONCRETE	1982	GRAHAM ST. E/S 60' S/O OLD VALLEY DR.	10772028	22000L	-117.252610901	33.9346354027	25	1491960
2225895E	CONCRETE	1982	GRAHAM ST. E/S 135' N/O OLD VALLEY DR.	10772028	22000L	-117.252645378	33.9351590216	29	1491960
2225898E	CONCRETE	1982	GRAHAM ST. E/S 420' N/O OLD VALLEY DR.	10772028	22000L	-117.252662142	33.9359108423	29	1491960
2228283E	CONCRETE	1986	HEACOCK ST, W/S, 334' N/O FIR AVE	10772028	22000L	-117.243857429	33.9361749960	29	1491960
2228293E	CONCRETE	1986	HEACOCK ST, W/S, 341' S/O FIR AVE	10772028	22000L	-117.243856935	33.9346713092	29	1491960
4299290E	CONCRETE	1996	LATEEN DR, W/S 160' N/O ALONA ST	10772028	9500L	-117.249326975	33.9344144409	23	1491962
4364846E	CONCRETE	2000	GROHAM ST. E/S AT OLD VALLEY DR.	10772028	9500L	-117.251916484	33.9347868075	26	1491962
4463505E	CONCRETE	2002	EUCALYPTUS N/S 17' E/O RUNNING DEAR C/L	10772028	22000L	-117.247598695	33.9317818653	32	1491960
4463506E	CONCRETE	2002	EUCALYPTUS N/S 220' E/O RUNNING DEAR C/L	10772028	22000L	-117.246858314	33.9317769197	32	1491960
4463507E	CONCRETE	2002	EUCALYPTUS N/S 220' E/O RUNNING DEAR C/L	10772028	22000L	-117.246352910	33.9317754836	32	1491960
4463508E	CONCRETE	2002	EUCALYPTUS N/S 490' W/O HEACOCK STAR C/L	10772028	22000L	-117.245447643	33.9317813774	32	1491960
4463509E	CONCRETE	2002	EUCALYPTUS N/S 183' W/O HEACOCK ST	10772028	22000L	-117.244373968	33.9317405781	32	1491960
4463510E	CONCRETE	2002	EUCALYPTUS S/S 300' W/O HEACOCK ST	10772028	22000L	-117.244820249	33.9316667592	32	1491960
4725930E	CONCRETE	2009	GAMMA ST. E/O 50' N/O DONCASTER DR.	10772028	9500L	-117.246427820	33.9348225462	25	1491962
2228291E	CONCRETE	1986	HEACOCK ST, E/S, 56' S/O MEYERS	10772028	22000L	-117.243730653	33.9335202960	29	1491960
2228292E	CONCRETE	1986	HEACOCK ST, N/E COR/O MEYERS	10772028	22000L	-117.243702486	33.9337337922	29	1491960
4222742E	CONCRETE	1993	FIR AVE N/S 350' E/O HEACOCK	10772031	9500L	-117.242915470	33.9353740323	25	1491962
4003011E	WOOD	1987	N/E COR/O INDIAN AVE & MYERS AVE	10772031	22000L	-117.234868657	33.9337355766	40	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4276112E	WOOD	1995	FIR AV N/S 1000'E/O HEACOCK	10772031	9500L	-117.240110203	33.9354072590	35	1491962
4317213E	CONCRETE	1996	ROSS ST. E/S, 206' N/O C/L MEYERS AVE.	10772031	9500L	-117.233957461	33.9341752408	25	1491960
4317214E	CONCRETE	1996	ROSS ST. W/S, 432' N/O C/L MEYERS AVE.	10772031	9500L	-117.234000753	33.9347959502	25	1491960
4316396E	WOOD	1998	W/S MEAD CT 250' N/O MEYERS	10772031	9500L	-117.242951398	33.9342241848	25	1491962
4316397E	WOOD	1998	E/S RUBY CT 250' N/O MYERS	10772031	9500L	-117.241916488	33.9341617272	25	1491962
4408518E	CONCRETE	2003	190' S/O C/L EUCALYPTUS AVE. W/S OF "NEW STR	10772031	9500L	-117.241027855	33.9312672082	27	1491962
4066186E	CONCRETE	1988	EUCALYPTUS AVE S/S, 233' W/O PERRIS BL	10772034	9500L	-117.227103212	33.9317031466	25	1491962
2270601E	CONCRETE	1984	W/S SHIRAY RNCH RD 80 N/O BRIDLE TR RD	10772034	9500L	-117.223686938	33.9325926794	25	1491962
2289101E	CONCRETE	1984	S/S BRIDLE TR RD COR OF SHIRAY RNCH RD	10772034	9500L	-117.223626883	33.9323660540	25	1491962
4271807E	CONCRETE	1994	PERRIS BLVD E/S, 335' N/O EUCALYPTUS	10772034	9500L	-117.226297282	33.9326693346	23	1491962
4057732E	CONCRETE	1989	FIR AVENUE N/S, 484' W/O PERRIS BLVD.	10772034	9500L	-117.228122428	33.9354461543	25	1491962
4057733E	CONCRETE	1989	FIR AVENUE N/S, 684' W/O PERRIS BLVD.	10772034	9500L	-117.228671420	33.9354551675	25	1491962
4057734E	CONCRETE	1989	FIR AVENUE N/S, 884' W/O PERRIS BLVD.	10772034	9500L	-117.229178936	33.9354245608	25	1491962
4057735E	CONCRETE	1989	FIR AVENUE N/S, 1084' W/O PERRIS BLVD.	10772034	9500L	-117.229892229	33.9354575912	25	1491962
4057736E	CONCRETE	1989	FIR AVENUE N/S, 1299' W/O PERRIS BLVD.	10772034	9500L	-117.230732945	33.9354489507	25	1491962
2199178E	CONCRETE	1982	N/WCOR/O FIR/SHIRAY RANCH	10772034	9500L	-117.223785721	33.9354332916	25	1491962
2199179E	CONCRETE	1982	SHIRAY RANCHW/S,130' N/O FIR	10772034	9500L	-117.223758288	33.9357830329	25	1491962
2199182E	CONCRETE	1982	NW/COR/O TODD DR./SHIRAY RANCH	10772034	9500L	-117.223777085	33.9368796768	25	1491962
2207225E	CONCRETE	1980	FIR AVE S/S, 130' W/O SHIRAY RANCH RD	10772034	9500L	-117.224204839	33.9353428320	25	1491962
2207226E	CONCRETE	1980	FIR AVE S/S, 20' E/O SHIRAY RANCH RD	10772034	9500L	-117.223603695	33.9353437413	25	1491962
2207229E	CONCRETE	1980	E/S SHIRAY RANCH RD, 100' S/O FIR AVE	10772034	9500L	-117.223650770	33.9350831615	25	1491962
2207230E	CONCRETE	1980	SHIRAY RANCH RD W/S, AT BRANDING IRON WAY	10772034	9500L	-117.223737178	33.9347077892	25	1491962
2207233E	CONCRETE	1980	SHIRAY RH RD E/S, 100' S/O BRANDING IRON WA	10772034	9500L	-117.223634795	33.9344352347	25	1491962
2207234E	CONCRETE	1980	SHIRAY RANCH RD W/S, AT MAYNARD DR EXTD.	10772034	9500L	-117.223758407	33.9339358179	25	1491962
2207237E	CONCRETE	1980	SHIRAY RANCH RD, E/S, 150' S/O MAYNARD DR	10772034	9500L	-117.223575218	33.9335912904	25	1491962
2270602E	CONCRETE	1984	W/S SHIRAY RNCH RD COR OF MARSEL RNCH RD	10772034	9500L	-117.223657581	33.9331853427	25	1491962
4057725E	CONCRETE	1989	PERRIS BLVD. W/S, 231' S/O MYERS AVENUE	10772034	9500L	-117.226424116	33.9328498040	25	1491962
4212228E	CONCRETE	1992	25075 FIR AVE, MORENO VALLEY	10772034	9500L	-117.225455071	33.9353372393	25	1491962
2289139E	CONCRETE	1984	N/S EUCALYPTUS 350 W/O BRIDLE TR RD	10772034	22000L	-117.223702521	33.9318279453	30	1491960
4057723E	CONCRETE	1990	PERRIS BLVD. W/S, 160' N/O MYERS AVE.	10772034	22000L	-117.226431937	33.9332169325	45	1491960
4057724E	CONCRETE	1989	PERRIS BLVD. W/S, 431' S/O MYERS AVENUE	10772034	22000L	-117.226415376	33.9323266775	25	1491960
2302461E	CONCRETE	1985	E/S PERRIS S/O WEBSTER	10772034	22000L	-117.226247318	33.9360383473	29	1491960
2302462E	CONCRETE	1985	W/S PREEIS BL AT WEBSTER	10772034	22000L	-117.226282761	33.9365519427	29	1491960
4057726E	CONCRETE	1989	PERRIS BLVD. W/S, 53' S/O MYERS AVENUE	10772034	22000L	-117.226437890	33.9335423667	25	1491960
4057727E	CONCRETE	1989	PERRIS BLVD. W/S, 180' N/O MYERS AVENUE	10772034	22000L	-117.226443328	33.9342430525	25	1491960
4057729E	CONCRETE	1989	PERRIS BLVD. W/S, 155' N/O FIR AVENUE	10772034	22000L	-117.226439102	33.9357950276	29	1491960
4057730E	CONCRETE	1989	PERRIS BLVD. W/S, 355' N/O FIR AVENUE	10772034	22000L	-117.226428268	33.9362979902	29	1491960
4057731E	CONCRETE	1989	PERRIS BLVD. W/S, 555' N/O FIR AVENUE	10772034	22000L	-117.226440572	33.9368062780	29	1491960
4317211E	CONCRETE	1996	LEE ST. E/S, 172' N/O C/L MEYERS AVE.	10772034	9500L	-117.233100210	33.9340906430	25	1491960
4317212E	CONCRETE	1996	LEE ST. W/S, 437' N/O C/L MEYERS AVE.	10772034	9500L	-117.233111397	33.9345748620	25	1491960
4524098E	CONCRETE	2004	PERRIS BLVD. W/S, 380' N/O MYERS AVENUE	10772034	22000L	-117.226440170	33.9346942349	26	1491960
4731490E	CONCRETE	2009	PERRIS BLVD E/S, 467' N/O EUCALYPTUS AVE	10772034	22000L	-117.226303425	33.9330212636	32	1491960
4731491E	CONCRETE	2009	PERRIS BLVD E/S, 226' N/O EUCALYPTUS AVE	10772034	22000L	-117.226296209	33.9323926376	32	1491960
4731492E	CONCRETE	2009	EUCALYPTUS AVE N/S, 278' E/O PERRIS BLVD	10772034	22000L	-117.225411274	33.9318002851	32	1491960
4731493E	CONCRETE	2009	EUCALYPTUS AVE N/S, 478' E/O PERRIS BLVD	10772034	22000L	-117.224752087	33.9318026532	32	1491960
1944171E	CONCRETE	1971	KITCHING ST W/S 418' N/O FIR AVE	10772037	5800L	-117.217722209	33.9365499199	25	1491962
1944172E	CONCRETE	1971	KITCHING ST W/S 210' N/O FIR ST	10772037	5800L	-117.217760334	33.9359696430	25	1491962
1944174E	CONCRETE	1971	FIR AVE N/S 115' W/O KITCHING ST	10772037	5800L	-117.218420146	33.9354477636	25	1491962
1944175E	CONCRETE	1971	N/W COR/O FIR AVE & LAURY LANE	10772037	5800L	-117.218680551	33.9354481342	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
1944176E	CONCRETE	1971	LAURY LN E/S 150' N/O FIR ST	10772037	5800L	-117.218542040	33.9359616822	25	1491962
1944177E	CONCRETE	1971	LAURY LANE W/S 300' N/O FIR AVE	10772037	5800L	-117.218662816	33.9363294100	25	1491962
1944178E	CONCRETE	1971	LAURY LANE E/S 325' N/O FIR AVE	10772037	5800L	-117.218517958	33.9363799373	25	1491962
1944179E	CONCRETE	1971	TODD DR N/S 75' W/O LAURY LANE	10772037	5800L	-117.218958770	33.9369488189	25	1491962
2112710E	CONCRETE	1977	FIR AVE N/S 500 E/O FOREMAN AVE	10772037	5800L	-117.219575713	33.9354332814	25	1491962
2112711E	CONCRETE	1977	FIR AVE N/S 350 E/O FOREMAN AVE	10772037	5800L	-117.220033150	33.9354206850	25	1491962
2112712E	CONCRETE	1977	FIR AVE N/S 140 E/O FOREMAN AVE	10772037	5800L	-117.220744868	33.9354129233	25	1491962
2112714E	CONCRETE	1977	FOREMAN AVE E/S 90' N/O FIR AVE	10772037	5800L	-117.221146445	33.9356631827	25	1491962
2112715E	CONCRETE	1977	S/W C/O FOREMAN X JUDITH	10772037	5800L	-117.221286711	33.9360698711	25	1491962
2112716E	CONCRETE	1980	JUDITH PL S/S, 125 E/O FOREMAN AVE	10772037	5800L	-117.220862959	33.9361468554	25	1491962
2112717E	CONCRETE	1977	JUDITH N/S 350 E/O FOREMAN AVE	10772037	5800L	-117.220306687	33.9362355311	25	1491962
2112718E	CONCRETE	1980	JUDITH E/END 560' E/O FOREMAN AFE	10772037	5800L	-117.219447413	33.9361923595	25	1491962
2150414E	CONCRETE	1978	TODD DR S/S 150 E/O FOREMAN AVE	10772037	5800L	-117.220733505	33.9368823062	25	1491962
2150415E	CONCRETE	1978	TODD DR W/S 450 E/O FOREMAN	10772037	5800L	-117.219788821	33.9369647106	25	1491962
2150416E	CONCRETE	1978	TODD DR S/S 600 E/O FOREMAN	10772037	5800L	-117.219310222	33.9368818190	25	1491962
2150634E	CONCRETE	1979	S/S EUCALYPTUS AVE 500' E/O SHIREBOURN RD	10772037	9500L	-117.220159306	33.9317301299	25	1491962
2150635E	CONCRETE	1979	S/S EUCALYPTUS AVE 250' E/O SHIREBOURN DR	10772037	9500L	-117.221057011	33.9317489053	25	1491962
2150636E	CONCRETE	1979	S/S EUCALYPTUS AVE 10' E/O SHIREBOURN RD	10772037	9500L	-117.221831188	33.9317459038	25	1491962
2182491E	CONCRETE	1980	E/S TAMARA DR 120' N/O EUCALYPTUS AVE	10772037	9500L	-117.220302180	33.9321779077	25	1491962
2206689E	CONCRETE	1980	FOREMAN AVE W/S 280' N/O EUCALYPTUS AVE	10772037	9500L	-117.221382059	33.9323693579	25	1491962
2206899E	CONCRETE	1957	W/S TAMARA DR N/O EUCALYPTUS AVE	10772037	9500L	-117.220404239	33.9327037713	30	1491962
2270599E	CONCRETE	1984	E/S BRIDLE TR RD 125 N/O EUCALYPTUS	10772037	9500L	-117.222417386	33.9322118565	25	1491962
2270600E	CONCRETE	1984	N/S BRIDLE TR RD 140 E/O SHIRAY RNCH RD	10772037	9500L	-117.223168702	33.9324495015	25	1491962
2289530E	CONCRETE	1984	WESTBURY DR S/S 70 E/O KENTLAND DR	10772037	9500L	-117.218468721	33.9323925746	25	1491962
2289531E	CONCRETE	1984	WESTBURY DR END OF CULDESAC BACKING TO KI	10772037	9500L	-117.217902885	33.9324316715	25	1491962
2289532E	CONCRETE	1984	WESTBURY N/S 70 W/O KENTLAND	10772037	9500L	-117.219016972	33.9324867641	25	1491962
2289533E	CONCRETE	1984	WESTBURY W/S 130 S/O WEDMORE DR	10772037	9500L	-117.219385614	33.9329169735	25	1491962
4039614E	CONCRETE	1987	CORALBERRY E/S, 335' S/O WEDMORE	10772037	9500L	-117.216924919	33.9323097059	25	1491962
4039615E	CONCRETE	1987	CORALBERRY W/S, 155' S/O WEDMORE	10772037	9500L	-117.217075004	33.9329019670	25	1491962
2315336E	CONCRETE	1987	VELVETLEAF ST, S/S, 385' E/O RAENETTE	10772037	9500L	-117.213860160	33.9323747864	25	1491962
2315337E	CONCRETE	1987	VELVETLEAF ST, N/S, 155' E/O RAENETTE WY	10772037	9500L	-117.214406000	33.9324691486	25	1491962
2315338E	CONCRETE	1987	RAENETTE WY, W/S, COR/O VELVETLEAF ST	10772037	9500L	-117.215027896	33.9324281354	25	1491962
2315339E	CONCRETE	1987	RAENETTE WY, W/S, 155' N/O VELVETLEAF ST	10772037	9500L	-117.215022905	33.9328821178	25	1491962
2315344E	CONCRETE	1987	EUCALYPTUS AVE, N/S, 220' E/O RAENETTE WY	10772037	9500L	-117.214263923	33.9318352970	29	1491962
2362149E	CONCRETE	1987	EUCALYPTUS AVE, S/E COR/O BENDER DR	10772037	9500L	-117.213764031	33.9317444436	29	1491962
4039611E	CONCRETE	1987	S/S END/O WEDMORE, 500' E/O CORALBERRY ST	10772037	9500L	-117.215984566	33.9327386164	25	1491962
2112713E	CONCRETE	1977	N/W C/O FIR AVE & FOREMAN AVE	10772037	9500L	-117.221309152	33.9354018766	25	1491962
2150413E	CONCRETE	1978	TODD DR N/S, AT FOREMAN AVE EXTD	10772037	9500L	-117.221280572	33.9369127916	25	1491962
2169946E	CONCRETE	1980	W/S TAMARA LN 660' N/O EUCALYPTUS AVE	10772037	9500L	-117.220408017	33.9336758210	25	1491962
2169947E	CONCRETE	1980	W/S TAMARA LN 196' S/O FIR AVE	10772037	9500L	-117.220313532	33.9349138707	25	1491962
2169948E	CONCRETE	1980	W/S COR/O TAMARA LN. AND FIR AV.	10772037	9500L	-117.220297376	33.9353207944	25	1491962
2182490E	CONCRETE	1980	TAMARA LN. E/S 747' S/O FIR AV.,MOR VLY	10772037	9500L	-117.220236786	33.9333516103	25	1491962
2199180E	CONCRETE	1982	LEANN CT N/S,216' E/O SHIRAY RANCH	10772037	9500L	-117.222959137	33.9362594626	25	1491962
2199181E	CONCRETE	1982	LEANN CT D/E,477'E/O SHIRAY RANCH	10772037	9500L	-117.222349900	33.9362296670	25	1491962
2199183E	CONCRETE	1982	TODD S/S,216'E/O SHIRAY RANCH	10772037	9500L	-117.222980515	33.9368413544	25	1491962
2199184E	CONCRETE	1982	TODD N/S,460'E/O SHIRAY RANCH	10772037	9500L	-117.222182863	33.9369191116	25	1491962
2206684E	CONCRETE	1980	FIR AVE S/S 110' E/O FOREMAN AVE	10772037	9500L	-117.220911610	33.9353177027	25	1491962
2206685E	CONCRETE	1980	FOREMAN AVE W/S 290' S/O FIR AVE	10772037	9500L	-117.221487931	33.9346480522	25	1491962
2206686E	CONCRETE	1980	FOREMAN AVE W/S 460' S/O FIR AVE	10772037	9500L	-117.221488623	33.9341475496	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2206687E	CONCRETE	1980	FOREMAN AVE W/S 640' N/O EUCALYPTUS AVE	10772037	9500L	-117.221526852	33.9335559197	25	1491962
2206688E	CONCRETE	1980	FOREMAN AVE E/S 460' N/O EUCALYPTUS AVE	10772037	9500L	-117.221360684	33.9330442527	25	1491962
2207227E	CONCRETE	1980	FIR AVE S/S, 170' E/O SHIRAY RANCH RD	10772037	9500L	-117.223119021	33.9353410905	25	1491962
2207228E	CONCRETE	1980	FIR AVE S/S, 320' E/O SHIRAY RANCH RD	10772037	9500L	-117.222616407	33.9353249204	25	1491962
2207231E	CONCRETE	1980	BRANDING IRON WAY S/S, 130' E/O SHIRAY RANCH RD	10772037	9500L	-117.223288352	33.9346428769	25	1491962
2207232E	CONCRETE	1980	BRANDING IRON WAY E/END/O 500' E/O SHIRAY RANCH RD	10772037	9500L	-117.222776664	33.9346927285	25	1491962
2207235E	CONCRETE	1980	MAYNARD DR S/S, 130' E/O SHIRAY RANCH RD	10772037	9500L	-117.223254676	33.9339088436	25	1491962
2207236E	CONCRETE	1980	MAYNARD DR E/END/O, 500' E/O SHIRAY RANCH RD	10772037	9500L	-117.222816960	33.9339545074	25	1491962
2270603E	CONCRETE	1984	S/S MARSEL RANCH RD 140 E/O SHIRAY RANCH RD	10772037	9500L	-117.223162252	33.9331456073	25	1491962
2270604E	CONCRETE	1984	N/S MARSEL RANCH RD 420 E/O SHIRAY RANCH RD	10772037	9500L	-117.222721494	33.9331663111	25	1491962
2289534E	CONCRETE	1984	WESTBURYDR W/S AT W/END OF WEDMORE DR	10772037	9500L	-117.219375876	33.9332656619	25	1491962
2289535E	CONCRETE	1984	WEDMORE N/S 120 E/O WESTBURY DR	10772037	9500L	-117.218796248	33.9333141987	25	1491962
2289536E	CONCRETE	1984	WEDMORE DR/S 140 W/O KITCHING ST	10772037	9500L	-117.218199782	33.9332275943	25	1491962
2289538E	CONCRETE	1984	KITCHING W/S 45 S/O WEDMOREDR	10772037	9500L	-117.217719668	33.9331249294	29	1491962
2293634E	CONCRETE	1984	CEDARBROOK AVE & PINEBROOK CT	10772037	9500L	-117.216926172	33.9340595641	25	1491962
2293635E	CONCRETE	1984	PINEBROOK CT 125' N/O CEDARBROOK AVE	10772037	9500L	-117.216990808	33.9347597583	25	1491962
2297093E	CONCRETE	1984	SHADOW BROOK S/S 295 W/O WILLOW TREE	10772037	9500L	-117.216923323	33.9362747260	25	1491962
2297094E	CONCRETE	1984	SHADOW BROOK E/S 230 S/O SKYBROOK	10772037	9500L	-117.216951640	33.9368541908	25	1491962
4039616E	CONCRETE	1987	WEDMORE N/S, 155' E/O KITCHING	10772037	9500L	-117.217252318	33.9333182255	25	1491962
2245589E	CONCRETE	1987	RAENETTE WY, E/S, COR/O ROSEBAY CT	10772037	9500L	-117.214888357	33.9333150440	25	1491962
2292535E	CONCRETE	1984	WILLOTREE E/S 130 S/O HOLLYBROOK	10772037	9500L	-117.215891316	33.9370043287	25	1491962
2293636E	CONCRETE	1984	CEDARBROOK AVE 150' E/O PINEBROOK CT	10772037	9500L	-117.216480957	33.9341656345	25	1491962
2293637E	CONCRETE	1984	CEDARBROOK AVE & WILLOW TREE AVE	10772037	9500L	-117.216004869	33.9340743816	25	1491962
2293638E	CONCRETE	1984	WILLOW TREE AVE 120' N/O CEDARBROOK AVE	10772037	9500L	-117.215914534	33.9343417876	25	1491962
2293639E	CONCRETE	1984	WILLOW TREE AVE 100' S/O FIR ST	10772037	9500L	-117.216081987	33.9347625050	25	1491962
2297086E	CONCRETE	1984	FIR AV N/S 110 E/O WILLOW TREE AV	10772037	9500L	-117.215653055	33.9354476017	30	1491962
2297087E	CONCRETE	1984	FIR AV N/S 65 W/O WILLOW TREE AV	10772037	9500L	-117.216174505	33.9354320520	30	1491962
2297089E	CONCRETE	1984	WILLOW TREE W/S 73 N/O FIR AV	10772037	9500L	-117.216043434	33.9357328832	25	1491962
2297090E	CONCRETE	1984	WILLOW TREE AV E/S AT SHADOW BROOK	10772037	9500L	-117.215900268	33.9362878460	25	1491962
2297091E	CONCRETE	1984	WILLOW TREE W/S 126 N/O SHADOW BROOK	10772037	9500L	-117.216021817	33.9366796430	25	1491962
2297092E	CONCRETE	1984	SHADOW BROOK ST N/S 125 W/O WILLOW TREE	10772037	9500L	-117.216418424	33.9363678438	25	1491962
2309662E	CONCRETE	1984	HEARTLEAF ST, E/S, 10 N/O HOLLYBROOK ST	10772037	9500L	-117.214911080	33.9370908496	25	1491962
2309663E	CONCRETE	1984	HEARTLEAF ST W/S 160 S/O HOLLYBROOK	10772037	9500L	-117.215091482	33.9367102348	25	1491962
2309664E	CONCRETE	1984	HEARTLEAF ST W/S 10 S/O SWEETLEAF	10772037	9500L	-117.215029906	33.9362920824	25	1491962
2309665E	CONCRETE	1984	FIR AVE N/W COR/O HEARTLEAF ST	10772037	9500L	-117.215037826	33.9354410796	25	1491962
2309666E	CONCRETE	1984	FIR AVE N/S 380 E/O HEARTLEAF ST	10772037	9500L	-117.213656261	33.9354279298	25	1491962
2309667E	CONCRETE	1984	HEARTLEAF ST E/S 150 N/O FIR AVE	10772037	9500L	-117.214920391	33.9358514353	25	1491962
2309668E	CONCRETE	1984	SWEETLEAF ST S/S 155 E/O HEARTLEAF ST	10772037	9500L	-117.214472400	33.9362871884	25	1491962
2309669E	CONCRETE	1984	SWEETLEAF ST S/S 20B W/O JUNE BERRY	10772037	9500L	-117.213895811	33.9362853003	25	1491962
2309670E	CONCRETE	1984	JUNE BERRY CT 150 N/O SWEETLEAF	10772037	9500L	-117.213875879	33.9368766094	25	1491962
2315341E	CONCRETE	1987	ROSEBAY CT, S/S, 155' E/O RAENETTE WY	10772037	9500L	-117.214474903	33.9332535767	25	1491962
2315342E	CONCRETE	1987	ROSEBAY CT, N/S, 340' E/O RAENETTE CT	10772037	9500L	-117.213891704	33.9333018498	25	1491962
2362104E	CONCRETE	1987	FIR AVE, S/S, 160' W/O ARDOS ST	10772037	9500L	-117.214262085	33.9353550110	25	1491962
2362105E	CONCRETE	1987	ARDOS ST, E/S, 140' S/O FIR AVE	10772037	9500L	-117.213734671	33.9350347229	25	1491962
2362106E	CONCRETE	1987	ARDOS ST, W/S, S/O FIR AVE	10772037	9500L	-117.213880322	33.9344926921	25	1491962
2362107E	CONCRETE	1987	ARDOS ST, S/E COR, 365' E/O RAENETTE WY	10772037	9500L	-117.213818576	33.9339872931	25	1491962
2362108E	CONCRETE	1987	ARDOS ST, N/S, 170' E/O RAENETTE WY	10772037	9500L	-117.214330309	33.9341116434	25	1491962
2362109E	CONCRETE	1987	RAENETTE WY, E/S, 190' N/O ARDOS ST	10772037	9500L	-117.214892600	33.9346802869	25	1491962
2362110E	CONCRETE	1987	RAENETTE WY, W/S, COR/O ARDOS ST	10772037	9500L	-117.214996766	33.9341003397	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4039610E	CONCRETE	1987	WEDMORE E/S, 355' E/O CORALBERRY ST.	10772037	9500L	-117.215931827	33.9331977405	25	1491962
4039617E	CONCRETE	1987	WEDMORE N/S, 160' E/O CORALBERRY ST.	10772037	9500L	-117.216485452	33.9333020056	25	1491962
2289529E	CONCRETE	1984	EUCALYPTUS N/S 65 W/O KENTLAND LN	10772037	22000L	-117.218948847	33.9318190443	29	1491960
2206690E	CONCRETE	1980	FOREMAN AVE E/S 58' N/O EUCALYPTUS AVE	10772037	22000L	-117.221573533	33.9319212185	25	1491960
2206900E	CONCRETE	1980	N/W CORNER OF EUCALYPTUS AVE & TAMARA DR	10772037	22000L	-117.220454125	33.9318570011	25	1491960
2289137E	CONCRETE	1984	N/E COR OF EUCALYPTUS AND BRIDLE TR RD	10772037	22000L	-117.222412139	33.9318489488	30	1491960
2289138E	CONCRETE	1984	N/S EUCALYPTUS 140' W/O BRIDLE TR RD	10772037	22000L	-117.222900987	33.9318343272	30	1491960
2289528E	CONCRETE	1984	EUCALYPTUS N/S 290 W/O KENTLAND LN	10772037	22000L	-117.219676277	33.9318250986	29	1491960
2289539E	CONCRETE	1984	KITCHING ST E/S 165 N/O EUCALYPTUS	10772037	22000L	-117.217613125	33.9322974054	29	1491960
4039613E	CONCRETE	1987	CORALBERRY W/S, 455' S/O WEDMORE	10772037	22000L	-117.217052409	33.9319958736	29	1491960
2315343E	CONCRETE	1987	EUCALYPTUS AVE, N/S, 150' W/O RAENETTE WY	10772037	22000L	-117.215462842	33.9318544032	29	1491960
1944173E	CONCRETE	1971	KITCHING ST W/S 25' N/O FIR ST	10772037	22000L	-117.217737913	33.9354367045	25	1491960
2269739E	CONCRETE	1957	KITCHING E/S, S/O SKYBROOK	10772037	22000L	-117.217604555	33.9370661935	31	1491960
2269740E	CONCRETE	1957	E/O KITCHING AV S/O SKYBROOK ST	10772037	22000L	-117.217601199	33.9363723544	31	1491960
4269287E	CONCRETE	1994	E/O KITCHING AVE S/O SKYBROOK	10772037	22000L	-117.217606484	33.9358356561	29	1491960
2293633E	CONCRETE	1984	KITCHING ST 50' N/O CEDARBROOK AVE	10772037	22000L	-117.217572646	33.9342402266	25	1491960
2293642E	CONCRETE	1984	KITCHING ST & FIR ST	10772037	22000L	-117.217596467	33.9352858225	30	1491960
2297088E	CONCRETE	1984	FIR AV N/S 150' E/O KITCHING	10772037	22000L	-117.217179847	33.9353952176	30	1491960
2293640E	CONCRETE	1984	FIR ST & WILLOW TREE AVE	10772037	22000L	-117.215900244	33.9353190004	30	1491960
2293641E	CONCRETE	1984	FIR ST 250' E/O KITCHING ST	10772037	22000L	-117.216828946	33.9353213276	30	1491960
4299254E	CONCRETE	1995	EUCALYPTUS N/S 45' W/O KITCHING	10772037	22000L	-117.217820790	33.9318356505	29	1491960
4462151E	CONCRETE	2005	WESTBURY DR E/S, 141' S/O CEDARBROOK AVE	10772037	9500L	-117.219250939	33.9337136745	27	1491962
4462152E	CONCRETE	2005	WESTBURY DR W/S, 29' N/O CEDARBROOK AVE	10772037	9500L	-117.219373226	33.9341577776	27	1491962
4462153E	CONCRETE	2005	WESTBURY DR E/S, 215' N/O CEDARBROOK AVE	10772037	9500L	-117.219245468	33.9346205238	27	1491962
4529927E	CONCRETE	2005	KITCHING W/S 65 N/O WEDMORE DR	10772037	22000L	-117.217708789	33.9334177669	31	1491960
2315334E	CONCRETE	1987	VELVETLEAF ST, E/S, 400' S/O BRUMELIA CT	10772040	9500L	-117.212730906	33.9325421697	25	1491962
2315335E	CONCRETE	1987	VELVETLEAF ST, N/S, 620' E/O RAENETTE WY	10772040	9500L	-117.212984716	33.9324458547	25	1491962
4030152E	CONCRETE	1988	LA SALLE AVE W/S, 320' N/O EUCALYPTUS AVE	10772040	9500L	-117.208995087	33.9327917688	25	1491962
4030163E	CONCRETE	1988	NINEBARK ST W/S, 140' S/O HOLLYBERRY LN	10772040	9500L	-117.211675467	33.9329108524	25	1491962
4030164E	CONCRETE	1988	NINEBARK ST S/S, 30' W/O WOLFBERRY DR	10772040	9500L	-117.211705837	33.9323778024	25	1491962
4030165E	CONCRETE	1988	WOLFBERRY DR S/S, 150' E/O NINEBARK ST	10772040	9500L	-117.211151263	33.9323336097	25	1491962
4030169E	CONCRETE	1988	WINTERBERRY AVE E/S, 175' S/O HOLLYBERRY LN	10772040	9500L	-117.209829531	33.9325691024	25	1491962
4030170E	CONCRETE	1988	WINTERBERRY DR E/S, 30' E/O WOLFBERRY DR	10772040	9500L	-117.209995422	33.9323822338	25	1491962
4030171E	CONCRETE	1988	WOLFBERRY DR N/S, 160' W/O WINTERBERRY DR	10772040	9500L	-117.210508423	33.9324467698	25	1491962
4064216E	CONCRETE	1989	E/S LASSELLE, 60' N/O BANTA	10772040	9500L	-117.208853481	33.9324990715	25	1491962
4064218E	CONCRETE	1989	S/S BANTA, 15' E/O BERNARD	10772040	9500L	-117.207906511	33.9323296179	25	1491962
4064219E	CONCRETE	1989	WS BERNARD, 190' N/O BANTA	10772040	9500L	-117.208107826	33.9328246133	25	1491962
4064221E	CONCRETE	1989	E/S SAMPLE, 380' N/O BANTA	10772040	9500L	-117.207119046	33.9333760175	25	1491962
4064222E	CONCRETE	1989	W/S SAMPLE, 140' N/O BANTA	10772040	9500L	-117.207230822	33.9327724599	25	1491962
4064223E	CONCRETE	1989	E/S SAMPLE, 60' N/O EUCALYPTUS	10772040	9500L	-117.207089903	33.9319208808	25	1491962
4113953E	CONCRETE	1989	PERRIER DR 100' E/O ORLEANS	10772040	9500L	-117.205047438	33.9323411896	25	1491962
4113954E	CONCRETE	1989	NW COR OF PERRIER AND ORLEANS	10772040	9500L	-117.205528267	33.9324360560	25	1491962
4113955E	CONCRETE	1989	NE COR OF PERRIER AND MONTECELLO	10772040	9500L	-117.206277787	33.9324034748	25	1491962
4113956E	CONCRETE	1989	MONTECELLO DR 250' N/O PERRIER	10772040	9500L	-117.206338770	33.9328615288	25	1491962
4113969E	CONCRETE	1989	E/S FONTAINEBLEAU, 50' N/O PERRIER	10772040	9500L	-117.204575607	33.9324942543	25	1491962
4113982E	CONCRETE	1990	W/S BARBAZON, 50' N/O PERRIER	10772040	9500L	-117.203818464	33.9324855498	25	1491962
2297078E	CONCRETE	1985	BROADLEAF LN, E/S 350' E/O BLUNTLEAF	10772040	9500L	-117.211698805	33.9371824075	25	1491962
2309522E	CONCRETE	1984	FIR AV, N/S, COR/O NINEBARK	10772040	9500L	-117.211265806	33.9354451802	25	1491962
2309523E	CONCRETE	1984	FIR AV, N/S, 175' E/O NINEBARK	10772040	9500L	-117.210616909	33.9354586227	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2309524E	CONCRETE	1984	FIR AVE, N/S. COR/O LASSELLE ST	10772040	9500L	-117.209015874	33.9354161518	25	1491962
2309525E	CONCRETE	1984	LASSELLE ST. W/S, 150' N//O FIR AV	10772040	9500L	-117.209002691	33.9358580978	25	1491962
2309526E	CONCRETE	1984	LASSELLE ST, W/S, 560' S/O NINEBARK ST	10772040	9500L	-117.208999800	33.9369211260	25	1491962
2309533E	CONCRETE	1984	NINEBARK ST, E/S, 220' N/O HACKBERRY LN	10772040	9500L	-117.210692285	33.9369411815	25	1491962
2309534E	CONCRETE	1984	NINEBARK ST, W/S COR/O HACKBERRY	10772040	9500L	-117.210984576	33.9364796392	25	1491962
2309535E	CONCRETE	1984	NINEBARK ST, E/S 160' N/O FIR AV	10772040	9500L	-117.211105111	33.9359016979	25	1491962
2309536E	CONCRETE	1984	HACKBERRY LN, S/S 135' W/O NINEBARK	10772040	9500L	-117.210556324	33.9363363736	25	1491962
2309537E	CONCRETE	1984	HACKBERRY LN S/S 340' E/O NINEBARK ST	10772040	9500L	-117.209865608	33.9362769125	25	1491962
2309538E	CONCRETE	1984	HACKBERRY LN W/S 230' E/O NINEBARK ST	10772040	9500L	-117.209922800	33.9367772379	25	1491962
2309539E	CONCRETE	1984	HACKBERRY LN, E/S 460' S/O NINEBARK	10772040	9500L	-117.209771095	33.9371770711	25	1491962
2309542E	CONCRETE	1985	FIR AVE, N/S, 935' E/O KITCHING	10772040	9500L	-117.212452609	33.9354408525	25	1491962
2309543E	CONCRETE	1985	SWEETLEAF ST, N/S, 220' E/O BLUNTLEAF	10772040	9500L	-117.211948932	33.9363397070	25	1491962
2309544E	CONCRETE	1957	S/S SWEETLEAF E/O BLUNTLEAF CT	10772040	9500L	-117.212756000	33.9362668591	30	1491962
2309545E	CONCRETE	1957	N/S SWEETLEAF E/O JUNE BERRY CT	10772040	9500L	-117.213425086	33.9363575638	30	1491962
2309546E	CONCRETE	1985	BLUNTLEAF CT, E/S, 125' N/O SWEETLEAF ST	10772040	9500L	-117.212790361	33.9366628663	25	1491962
2309547E	CONCRETE	1985	BLUNTLEAF CT, W/S, COR/O BROADLEAF LN	10772040	9500L	-117.212852153	33.9371281891	25	1491962
2309550E	CONCRETE	1957	N/S BROADLEAF LN E/O BLUNTLEAF CT	10772040	9500L	-117.212248958	33.9371894524	30	1491962
2315325E	CONCRETE	1987	FIR AVE, S/S, 218' W/O VELVETLEAF ST	10772040	9500L	-117.213202772	33.9353402514	25	1491962
2315326E	CONCRETE	1987	FIR AVE, S/S, 140' E/O VELVETLEAF ST	10772040	9500L	-117.211835624	33.9353533605	25	1491962
2315327E	CONCRETE	1987	VELVETLEAF ST, E/S, 160' S/O FIR AVE	10772040	9500L	-117.212287421	33.9350238272	25	1491962
2315328E	CONCRETE	1987	DAPHNE CT, N/S, 95' W/O VELVETLEAF ST	10772040	9500L	-117.212783228	33.9347466641	25	1491962
2315329E	CONCRETE	1987	VELVETLEAF ST, E/S, COR/O DAPHNE CT	10772040	9500L	-117.212252573	33.9346615688	25	1491962
2315330E	CONCRETE	1987	VELVETLEAF ST, E/S, 180' S/O DAPHNE CT	10772040	9500L	-117.212406676	33.9341507267	25	1491962
2315331E	CONCRETE	1987	BRUMELIA CT, N/S, 90' W/O VELVETLEAF ST	10772040	9500L	-117.213022058	33.9339073202	25	1491962
2315332E	CONCRETE	1987	VELVETLEAF ST, E/S, COR/O BRUMELIA CT	10772040	9500L	-117.212509744	33.9337195558	25	1491962
2315333E	CONCRETE	1987	VELVETLEAF ST, W/S, 215' S/O BRUMELIA CT	10772040	9500L	-117.212786961	33.9330978661	25	1491962
2358150E	CONCRETE	1987	FIR AVE S/S, 280' W/O LASSALLE ST	10772040	9500L	-117.209926375	33.9353237710	25	1491962
4030151E	CONCRETE	1988	DEERBERRY DR N/S, 60' N/O WINTERBERRY DR	10772040	9500L	-117.209935873	33.9347640210	25	1491962
4030153E	CONCRETE	1988	LA SALLE AVE W/S, 760' N/O EUCALYPTUS AVE	10772040	9500L	-117.208970107	33.9338142100	25	1491962
4030154E	CONCRETE	1988	WINTERBERRY DR E/S, 140' S/O DEERBERRY DR	10772040	9500L	-117.209848140	33.9343174730	25	1491962
4030155E	CONCRETE	1988	WINTERBERRY DR W/S, 200' N/O HOLLYBERRY LN	10772040	9500L	-117.209980301	33.9337099109	25	1491962
4030156E	CONCRETE	1988	NINEBARK ST W/S, 190' N/O DEERBERRY DR	10772040	9500L	-117.211148040	33.9351907328	25	1491962
4030157E	CONCRETE	1988	NINEBARK ST W/S, 30' W/O DEERBERRY DR	10772040	9500L	-117.211296698	33.9347124112	25	1491962
4030158E	CONCRETE	1988	NINEBARK ST W/S, 220' S/O DEERBERRY DR	10772040	9500L	-117.211341491	33.9342307200	25	1491962
4030159E	CONCRETE	1988	BARTRAM CT S/S, 140' E/O NINEBARK ST	10772040	9500L	-117.210673184	33.9338861870	25	1491962
4030160E	CONCRETE	1988	NINEBARK ST W/S, 140' S/O BARTRAM CT	10772040	9500L	-117.211474939	33.9337745371	25	1491962
4030161E	CONCRETE	1988	NINEBARK ST W/S, 30' W/O HOLLYBERRY LN	10772040	9500L	-117.211630868	33.9332697726	25	1491962
4030162E	CONCRETE	1988	HOLLYBERRY LN S/S, 145' E/O NINEBARK ST	10772040	9500L	-117.211112688	33.9331146008	25	1491962
4030168E	CONCRETE	1988	WINTERBERRY DR E/S, 30' E/O HOLLYBERRY LN	10772040	9500L	-117.209823980	33.9332077540	25	1491962
4030173E	CONCRETE	1988	HOLLYBERRY LN S/S, 340' E/O NINEBARK ST	10772040	9500L	-117.210243613	33.9331157608	25	1491962
4039837E	CONCRETE	1988	DEERBERRY DR S/S, 180' E/O NINEBARK ST	10772040	9500L	-117.210573503	33.9346595855	25	1491962
4057745E	CONCRETE	1989	E/S LASSELLE, 447' S/O FIR	10772040	9500L	-117.208988050	33.9342455071	25	1491962
4057746E	CONCRETE	1989	E/S LASSELLE, 47' S/O FIR	10772040	9500L	-117.208863305	33.9352762812	25	1491962
4057747E	CONCRETE	1989	S/S FIR, 464' E/O LASSELLE	10772040	9500L	-117.207407909	33.9353142845	25	1491962
4064215E	CONCRETE	1989	E/S LASSELLE, 450' N/O BANTA	10772040	9500L	-117.208979236	33.9334459102	25	1491962
4064220E	CONCRETE	1989	E/S BERNARD, 430' N/O BANTA	10772040	9500L	-117.207963285	33.9331269303	25	1491962
4113957E	CONCRETE	1989	MONTECELLO DR 520' N/O PERRIER	10772040	9500L	-117.206349892	33.9337774629	25	1491962
4113958E	CONCRETE	1989	MONTECELLO DR 150' S/O LE MANS DR	10772040	9500L	-117.206479781	33.9343495805	25	1491962
4113959E	CONCRETE	1989	SW COR OF MONTECELLO AND LE MANS DR	10772040	9500L	-117.206503771	33.9346963854	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4113960E	CONCRETE	1989	NE COR OF LE MANS AND COGNAC LN	10772040	9500L	-117.205409463	33.9348281635	25	1491962
4113961E	CONCRETE	1989	SW COR OF LE MANS AND ORLEANS	10772040	9500L	-117.204724668	33.9347183370	25	1491962
4113962E	CONCRETE	1989	LE MANS DR 170' E/O ORLEANS	10772040	9500L	-117.204164202	33.9347261910	25	1491962
4113963E	CONCRETE	1989	ORLEANS 250' S/O LE MANS	10772040	9500L	-117.204719784	33.9340944871	25	1491962
4113964E	CONCRETE	1989	END OF PICARDY PL 200' NE/O ORLEANS	10772040	9500L	-117.205357211	33.9340097608	25	1491962
4113965E	CONCRETE	1989	SE COR OF PICARDY PL AND ORLEANS	10772040	9500L	-117.204880659	33.9337293205	25	1491962
4113966E	CONCRETE	1989	ORLEANS 250' N/O PERRIER DR	10772040	9500L	-117.205291036	33.9329575138	25	1491962
4113970E	CONCRETE	1989	W/S FONTAINEBLEAU, 280' N/O PERRIER	10772040	9500L	-117.204502837	33.9331670239	25	1491962
4113971E	CONCRETE	1989	E/S FONTAINEBLEAU, 490' N/O PERRIER	10772040	9500L	-117.204009719	33.9336641842	25	1491962
4113972E	CONCRETE	1989	W/S FONTAINEBLEAU, 170' S/O LE MANS	10772040	9500L	-117.203803749	33.9343771330	25	1491962
4113975E	CONCRETE	1989	S/S FIR, 350' W/O BARBAZON	10772040	9500L	-117.204275051	33.9353193952	25	1491962
4113976E	CONCRETE	1989	S/S FIR, 200' E/O COGNAC	10772040	9500L	-117.204811853	33.9353156555	25	1491962
4113977E	CONCRETE	1989	S/S FIR, 50' W/O COGNAC	10772040	9500L	-117.205656111	33.9353048242	25	1491962
4113978E	CONCRETE	1989	S/S FIR, 280' W/O COGNAC	10772040	9500L	-117.206394386	33.9352852428	25	1491962
2315345E	CONCRETE	1987	EUCALYPTUS AVE, N/S, 635' E/O RAENETTE WY	10772040	22000L	-117.212839956	33.9318338854	29	1491960
4005573E	CONCRETE	1989	EUCALYPTUS AVE. N/S, 60' W/O LA SALLE AVE	10772040	22000L	-117.209024309	33.9318544766	29	1491960
4030166E	CONCRETE	1988	EUCALYPTUS AVE N/S, 60' W/O NINEBARK ST	10772040	22000L	-117.211854092	33.9318243953	29	1491960
4030167E	CONCRETE	1988	EUCALYPTUS AVE N/S, 370' E/O NINEBARK ST	10772040	22000L	-117.210502125	33.9318452462	29	1491960
4549975E	CONCRETE	2004	TWIN BERRY DR E/S, 569' S/O PRIMROSE WY	10772040	9500L	-117.206228660	33.9370830895	27	1491962
4549976E	CONCRETE	2004	TWIN BERRY DR W/S, 50' N/O BEECH DR	10772040	9500L	-117.206378121	33.9364549465	27	1491962
4549977E	CONCRETE	2004	BEECH DR N/S, 134' E/O TWIN BERRY	10772040	9500L	-117.205857697	33.9363974737	27	1491962
4549978E	CONCRETE	2004	TWIN BERRY DR E/S, 135' S/O BEECH DR	10772040	9500L	-117.206204225	33.9360629349	27	1491962
4549979E	CONCRETE	2004	TWIN BERRY DR E/S, 135' S/O BEECH DR	10772040	9500L	-117.205539286	33.9354012533	27	1491962
4549980E	CONCRETE	2004	BEECH DR S/S, 54' E/O CANDLEWOOD LN	10772040	9500L	-117.205359483	33.9362981086	27	1491962
4549981E	CONCRETE	2004	BEECH DR S/S, 264' E/O CANDLEWOOD LN	10772040	9500L	-117.204677943	33.9363030382	27	1491962
4549982E	CONCRETE	2004	CANDLEWOOD LN W/S, 176' N/O BEECH DR	10772040	9500L	-117.205517644	33.9368510760	27	1491962
4549983E	CONCRETE	2004	CANDLEWOOD LN W/S, 343' N/O BEECH DR	10772040	9500L	-117.205495454	33.9372812703	27	1491962
4571115E	CONCRETE	2004	FIR AVE N/S, 271' E/O COGNAC LN	10772040	9500L	-117.204541448	33.9353969798	27	1491962
4571116E	CONCRETE	2004	FIR AVE N/S, 110' E/O TWIN BERRY DR	10772040	9500L	-117.205876666	33.9353814435	27	1491962
4571108E	CONCRETE	2004	BELLFLOWER LN W/S, 180' S/O CHESTNUT DR	10772040	9500L	-117.204637666	33.9372523792	27	1491962
4571109E	CONCRETE	2004	BELLFLOWER LN E/S, 187' N/O BEECH DR	10772040	9500L	-117.204492344	33.9366745033	27	1491962
4571110E	CONCRETE	2004	DOGWOOD WY E/S, 182' N/O CHESTNUT DR	10772040	9500L	-117.203819343	33.9372899929	27	1491962
4571111E	CONCRETE	2004	DOGWOOD WY W/S, 186' N/O BEECH DR	10772040	9500L	-117.203812207	33.9368268080	27	1491962
4571113E	CONCRETE	2004	BEECH DR S/S, 116' W/O DOGWOOD WY	10772040	9500L	-117.204135403	33.9363006726	27	1491962
4515501E	CONCRETE	2003	FIR AVE N/S, 46' E/O LASELLE ST	10772040	9500L	-117.208766264	33.9354231922	27	1491962
4515502E	CONCRETE	2003	FIR AVE N/S, 201' E/O LASELLE ST	10772040	9500L	-117.208268062	33.9354021199	27	1491962
4515503E	CONCRETE	2003	FIR AVE N/S, 186' W/O ATHERTON DR	10772040	9500L	-117.207712661	33.9354119915	27	1491962
4515504E	CONCRETE	2003	FIR AVE N/S, 46' E/O ATHERTON DR	10772040	9500L	-117.206952580	33.9353852990	27	1491962
4515505E	CONCRETE	2003	ATHERTON DR W/S, 113' N/O FIR AVE	10772040	9500L	-117.207187140	33.9356851102	27	1491962
4515506E	CONCRETE	2003	ATHERTON DR E/S, 257' N/O FIR AVE	10772040	9500L	-117.207037300	33.9360375258	27	1491962
4515507E	CONCRETE	2004	ATHERTON DR W/S, 185' S/O ALDER LN	10772040	9500L	-117.207184623	33.9365112397	27	1491962
4515508E	CONCRETE	2003	ATHERTON DR W/S, 45' S/O ALDER LN	10772040	9500L	-117.207201659	33.9369214371	27	1491962
4515514E	CONCRETE	2003	ALDER LN S/S, 135' E/O MULBERRY LN	10772040	9500L	-117.207588636	33.9369650635	27	1491962
4515515E	CONCRETE	2003	MULBERRY LN E/S, 539' S/O ALDER LN	10772040	9500L	-117.207963698	33.9356405430	27	1491962
4515516E	CONCRETE	2003	MULBERRY LN W/S, 400' S/O ALDER LN	10772040	9500L	-117.208112023	33.9359216531	27	1491962
4515517E	CONCRETE	2003	MULBERRY LN E/S, 255' S/O ALDER LN	10772040	9500L	-117.207976047	33.9363346396	27	1491962
4515518E	CONCRETE	2003	MULBERRY LN W/S, 108' S/O ALDER LN	10772040	9500L	-117.208114962	33.9367223444	27	1491962
4515519E	CONCRETE	2003	MULBERRY LN E/S, 45' N/O ALDER LN	10772040	9500L	-117.207985105	33.9371352191	27	1491962
4515526E	CONCRETE	2003	LASELLE ST E/S, 328' N/O FIR AVE	10772040	9500L	-117.208874756	33.9362777137	27	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2315348E	CONCRETE	1987	LASSALLE ST, W/S, 145' S/O FIR AVE	10772040	9500L	-117.209013348	33.9347454535	29	1491962
4113981E	CONCRETE	1990	E/S BARBAZON, 140' S/O BOADEAUX	10772043	9500L	-117.203456023	33.9331028917	25	1491962
4113983E	CONCRETE	1990	W/S BOADEAUX, 440' S/O BARBAZON	10772043	9500L	-117.202884113	33.9323631988	25	1491962
4113984E	CONCRETE	1990	E/S BOADEAUX, 210' S/O BARBAZON	10772043	9500L	-117.202753943	33.9329776713	25	1491962
4057398E	CONCRETE	1989	N/S FIR, 450' E/O ELMHURST	10772043	9500L	-117.200442837	33.9354346760	25	1491962
4064043E	CONCRETE	1989	W/S MORRISON, 50' S/O COCONUT	10772043	9500L	-117.200308334	33.9340172979	25	1491962
4064044E	CONCRETE	1989	N/S COCONUT, 220' W/O MORRISON	10772043	9500L	-117.200983463	33.9341618826	25	1491962
4064045E	CONCRETE	1989	S/S COCONUT, 400' W/O MORRISON	10772043	9500L	-117.201620365	33.9340813638	25	1491962
4064046E	CONCRETE	1989	W/S ELMHURST, 110' N/O COCONUT	10772043	9500L	-117.201988052	33.9343965475	25	1491962
4064047E	CONCRETE	1989	W/S MORRISON, 160' N/O COCONUT	10772043	9500L	-117.200295167	33.9343228435	25	1491962
4064048E	CONCRETE	1989	S/S WILLODALE, 400' E/O ELMHURST	10772043	9500L	-117.200494788	33.9350051910	25	1491962
4064049E	CONCRETE	1989	N/S WILLOWDALE, 210' E/O ELMHURST	10772043	9500L	-117.201133071	33.9350616145	25	1491962
4064050E	CONCRETE	1989	E/S ELMHURST, 30' S/O WILLOWDALE	10772043	9500L	-117.201873501	33.9349150935	25	1491962
4112395E	CONCRETE	1989	S/S HAZELCREST, 410' E/O ELMHURST	10772043	9500L	-117.200434761	33.9360312382	25	1491962
4112396E	CONCRETE	1989	N/S HAZELCREST, 210' E/O ELMHURST	10772043	9500L	-117.201136731	33.9360954005	25	1491962
4112397E	CONCRETE	1989	S/S HAZELCREST, 40' E/O ELMHURST	10772043	9500L	-117.201758783	33.9360054738	25	1491962
4112398E	CONCRETE	1989	N/S FIR, 45' W/O ELMHURST	10772043	9500L	-117.201773974	33.9354159704	25	1491962
4112399E	CONCRETE	1989	W/S ELMHURST, 85' N/O HAZELCREST	10772043	9500L	-117.202000304	33.9362560539	25	1491962
4112400E	CONCRETE	1989	W/S MORRISON, 60' S/O MAPLERIDGE	10772043	9500L	-117.200327544	33.9367571308	25	1491962
4113973E	CONCRETE	1989	S/S LE MANS, 50' W/O BARBAZON	10772043	9500L	-117.203017643	33.9347331472	25	1491962
4113974E	CONCRETE	1989	S/S FIR, 50' E/O BARBAZON	10772043	9500L	-117.202642502	33.9353201213	25	1491962
4113979E	CONCRETE	1990	E/S BARBAZON, 200' S/O LE MANS	10772043	9500L	-117.202869582	33.9341349487	25	1491962
4113980E	CONCRETE	1990	W/S BARBAZON, 50' N/O BOADEAUX	10772043	9500L	-117.203289510	33.9335560185	25	1491962
4113997E	CONCRETE	1989	N/S MAPLERIDGE, 280' E/O ELMHURST	10772043	9500L	-117.201066268	33.9369541492	25	1491962
4113998E	CONCRETE	1989	S/S MAPLERIDGE, 40' E/O ELMHURST	10772043	9500L	-117.201757425	33.9368433340	25	1491962
4113999E	CONCRETE	1989	W/S ELMHURST, 160' N/O MAPLERIDGE	10772043	9500L	-117.201985996	33.9372019473	25	1491962
4114000E	CONCRETE	1989	W/S MORRISON, 160' N/O MAPLERIDGE	10772043	9500L	-117.200324323	33.9372051566	25	1491962
4571114E	CONCRETE	2004	FIR AVE N/S, 179' W/O BARBAZON DR	10772043	9500L	-117.203384038	33.9354090338	27	1491962
4571117E	CONCRETE	2004	BARBAZON DR E/S, 107' N/O FIR AVE	10772043	9500L	-117.202772700	33.9356528560	27	1491962
4571118E	CONCRETE	2004	BARBAZON DR E/S, 33' N/O BEECH DR	10772043	9500L	-117.202780365	33.9363832037	27	1491962
4571119E	CONCRETE	2004	BARBAZON DR W/S, 259' N/O BEECH DR	10772043	9500L	-117.202894912	33.9370194802	27	1491962
4525531E	CONCRETE	2004	S/S FIR, 290' W/O MORRISON	10772043	9500L	-117.201159140	33.9353443880	26	1491962
4571112E	CONCRETE	2004	BEECH DR S/S, 21' E/O DOGWOOD WY	10772043	9500L	-117.203533916	33.9363031598	27	1491962
4709195E	CONCRETE	2014	NASON ST W/S, 125' N/O C/L FIR AVE	10772046	22000L	-117.191589716	33.9358266011	32	1491960
4709194E	CONCRETE	2014	NASON ST W/S, 325' N/O C/L FIR AVE	10772046	22000L	-117.191566895	33.9363515451	32	1491960
4709193E	CONCRETE	2014	NASON ST W/S, 525' N/O C/L FIR AVE	10772046	22000L	-117.191561315	33.9368982721	32	1491960
4709192E	CONCRETE	2014	NASON ST W/S, 725' N/O C/L FIR AVE	10772046	22000L	-117.191576893	33.9373617889	32	1491960
4709199E	CONCRETE	2014	NASON ST E/S, 725' N/O C/L FIR AVE	10772046	22000L	-117.191443418	33.9373498179	32	1491960
4709198E	CONCRETE	2014	NASON ST E/S, 525' N/O C/L FIR AVE	10772046	22000L	-117.191397932	33.9369012277	32	1491960
4709197E	CONCRETE	2014	NASON ST E/S, 325' N/O C/L FIR AVE	10772046	22000L	-117.191427128	33.9363615134	32	1491960
4709196E	CONCRETE	2014	NASON ST E/S, 125' N/O C/L FIR AVE	10772046	22000L	-117.191428027	33.9358262105	32	1491960
4166155E	CONCRETE	1991	MOTOR WAY N/S, 350' E/O CL/O MORENO BEACH	10772049	9500L	-117.177310515	33.9369397995	25	1491962
4275617E	CONCRETE	2001	MOTOR WAY N/S, 155' E/O CL/O MORENO BEACH	10772049	9500L	-117.177638661	33.9369454833	26	1491962
4166578E	CONCRETE	1991	103' W/O C/L A ST., 307' N/O C/L MORENO BEACH	10772049	9500L	-117.175531939	33.9341289553	25	1491962
4166579E	CONCRETE	1991	165' W/O C/L A ST., 133' N/O C/L MORENO BEACH	10772049	9500L	-117.176024807	33.9339494527	25	1491962
4166585E	CONCRETE	1991	MORENO BEACH DR. E/S, 1075' S/O CL/O HICKORY	10772049	9500L	-117.177718001	33.9349820041	29	1491960
4166587E	CONCRETE	1991	MORENO BEACH DR. E/S, 870' S/O CL/O HICKORY	10772049	9500L	-117.177951434	33.9353203477	29	1491960
4166590E	CONCRETE	1991	MORENO BEACH DR. N/S, 680' S/O CL/O HICKORY	10772049	9500L	-117.178036300	33.9357179968	29	1491960
4166157E	CONCRETE	1991	MORENO BEACH DR. E/S, 312' S/O CL/O HICKORY	10772049	9500L	-117.178168127	33.9366471122	29	1491960



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4166580E	CONCRETE	1991	MORENO BEACH N/S, 383' W/O C/L A ST., MRNO	10772049	9500L	-117.177013419	33.9342502125	29	1491960
4166583E	CONCRETE	1991	MORENO BEACH DR. E/S, 1235' S/O CL/O HICKOR	10772049	9500L	-117.177421140	33.9345807255	29	1491960
4166575E	CONCRETE	1991	MORENO BEACH W/S, 477' S/O C/L A ST., MRNO	10772049	22000L	-117.174961841	33.9327237989	29	1491960
4166551E	CONCRETE	1991	EUCALYPTUS N/S, 268' E/O C/L A ST., MRNO VLY	10772049	22000L	-117.174389258	33.9373917840	29	1491960
4166552E	CONCRETE	1991	EUCALYPTUS N/S, 68' E/O C/L A ST., MRNO VLY	10772049	22000L	-117.175151111	33.9373931846	29	1491960
4166555E	CONCRETE	1991	EUCALYPTUS S/S, 608' E/O C/L MORENO BEACH, MRNO	10772049	22000L	-117.176462587	33.9372906215	29	1491960
4166556E	CONCRETE	1991	EUCALYPTUS S/S, 812' E/O C/L MORENO BEACH, MRNO	10772049	22000L	-117.175779605	33.9372958365	29	1491960
4166557E	CONCRETE	1991	EUCALYPTUS S/S, 68' E/O C/L A ST., MRNO VLY	10772049	22000L	-117.175144183	33.9373053693	29	1491960
4166558E	CONCRETE	1991	EUCALYPTUS S/S, 268' E/O C/L A ST.	10772049	22000L	-117.174375770	33.9372852082	29	1491960
4166559E	CONCRETE	1991	A ST. E/S, 268' S/O C/L EUCALYPTUS, MRNO VLY	10772049	22000L	-117.175273925	33.9365133259	29	1491960
4166560E	CONCRETE	1991	A ST. W/S, 268' S/O C/L EUCALYPTUS, MRNO VLY	10772049	22000L	-117.175163731	33.9365145318	29	1491960
4166561E	CONCRETE	1991	A ST. E/S, 415' S/O C/L EUCALYPTUS, MRNO VLY	10772049	22000L	-117.175090118	33.9361028775	29	1491960
4166562E	CONCRETE	1991	A ST. W/S, 415' S/O C/L EUCALYPTUS, MRNO VLY	10772049	22000L	-117.175225135	33.9360881433	29	1491960
4166584E	CONCRETE	1991	MORENO BEACH DR. W/S, 1330' S/O CL/O HICKOR	10772049	22000L	-117.177608358	33.9344634796	29	1491960
4166586E	CONCRETE	1991	MORENO BEACH DR. W/S, 1165' S/O CL/O HICKOR	10772049	22000L	-117.177936470	33.9348561630	29	1491960
4166588E	CONCRETE	1991	MORENO BEACH DR. W/S, 930' S/O CL/O HICKOR	10772049	22000L	-117.178258168	33.9352261290	29	1491960
4166589E	CONCRETE	1991	MORENO BEACH DR W/S, 725' S/O CL/O HICKORY	10772049	22000L	-117.178427653	33.9356140437	29	1491960
4166151E	CONCRETE	1991	HICKORY AVENUE N/S, 274' E/O CL/O MORENO BEACH	10772049	22000L	-117.177540316	33.9373580168	29	1491960
4166152E	CONCRETE	1991	HICKORY AVENUE S/S, 272' E/O CL/O MORENO BEACH	10772049	22000L	-117.177537057	33.9372814392	29	1491960
4166153E	CONCRETE	1991	EUCALYPTUS N/S, 425' E/O C/L MORENO BEACH, MRNO	10772049	22000L	-117.176999934	33.9373643414	29	1491960
4166154E	CONCRETE	1991	EUCALYPTUS S/S, 425' E/O C/L MORENO BEACH, MRNO	10772049	22000L	-117.176994609	33.9372921948	29	1491960
4166163E	CONCRETE	1991	MORENO BEACH N/S, 204' W/O C/L A ST., MRNO	10772049	22000L	-117.176550857	33.9337709333	29	1491960
4166200E	CONCRETE	1991	A ST. E/S, 397' N/O C/L MORENO BEACH, MRNO VLY	10772049	22000L	-117.175056091	33.9341994273	29	1491960
4166553E	CONCRETE	1991	EUCALYPTUS N/S, 812' E/O C/L MORENO BEACH, MRNO	10772049	22000L	-117.175796927	33.9373833662	29	1491960
4166554E	CONCRETE	1991	EUCALYPTUS N/S, 608' E/O C/L MORENO BEACH, MRNO	10772049	22000L	-117.176470471	33.9373668194	29	1491960
4166563E	CONCRETE	1991	A ST. E/S, 622' S/O C/L EUCALYPTUS, MRNO VLY	10772049	22000L	-117.174868874	33.9354504962	29	1491960
4166564E	CONCRETE	1991	A ST. W/S, 622' S/O C/L EUCALYPTUS, MRNO VLY	10772049	22000L	-117.175007305	33.9354467260	29	1491960
4166565E	CONCRETE	1991	A ST. E/S, 820' S/O C/L EUCALYPTUS, MRNO VLY	10772049	22000L	-117.174777175	33.9350252030	29	1491960
4166566E	CONCRETE	1991	A ST. E/S, 1020' S/O C/L EUCALYPTUS, MRNO VLY	10772049	22000L	-117.174874436	33.9345501529	29	1491960
4166567E	CONCRETE	1991	A ST. W/S, 1020' S/O C/L EUCALYPTUS, MRNO VLY	10772049	22000L	-117.174988990	33.9345778737	29	1491960
4166568E	CONCRETE	1991	A ST. W/S, 820' S/O C/L EUCALYPTUS, MRNO VLY	10772049	22000L	-117.174903905	33.9350099799	29	1491960
4166569E	CONCRETE	1991	A ST. W/S, 397' N/O C/L MORENO BEACH, MRNO	10772049	22000L	-117.175154773	33.9342591153	29	1491960
4166570E	CONCRETE	1991	A ST. E/S, 275' N/O C/L MORENO BEACH, MRNO VLY	10772049	22000L	-117.175279428	33.9339250294	29	1491960
4166571E	CONCRETE	1991	A ST. W/S, 275' N/O C/L MORENO BEACH, MRNO	10772049	22000L	-117.175403342	33.9339656374	29	1491960
4166573E	CONCRETE	1991	MORENO BEACH W/S, 302' S/O C/L A ST., MRNO	10772049	22000L	-117.175311022	33.9329265916	29	1491960
4166581E	CONCRETE	1991	MORENO BEACH S/S, 389' W/O C/L A ST., MRNO	10772049	22000L	-117.177270423	33.9341315512	29	1491960
4166582E	CONCRETE	1991	MORENO BEACH S/S, 204' W/O C/L A ST., MRNO	10772049	22000L	-117.176630018	33.9336890380	29	1491960
4529928E	CONCRETE	2005	MORENO BEACH E/S, 480' S/O C/L A ST., MRNO VLY	10772049	22000L	-117.174837186	33.9327824292	32	1491960
4710848E	CONCRETE	2009	MORENO BEACH E/S 302' S/O C/L A ST. M.V.	10772049	22000L	-117.175204040	33.9329971340	29	1491960
4166158E	CONCRETE	1991	MORENO BEACH DR. W/S, 312' S/O CL/O HICKOR	10772049	22000L	-117.178517023	33.9363890686	29	1491960
4212608E	CONCRETE	1992	DAY ST W/S 465' N/O C/L GATEWAY DR	10792019	22000L	-117.278971515	33.9361797510	29	1491960
4212611E	CONCRETE	1992	DAY ST W/S 354' S/O CAMPUS PARKWAY	10792019	22000L	-117.279012126	33.9368557616	29	1491960
4212612E	CONCRETE	1992	DAY ST W/S 164' S/O CAMPUS PARKWAY	10792019	22000L	-117.279007193	33.9372781847	29	1491960
4212617E	CONCRETE	1992	CAMPUS PARKWAY S/S 260' E/O DAY ST.	10792019	22000L	-117.278045645	33.9376745622	29	1491960
4214317E	CONCRETE	1992	CAMPUS PARKWAY N/S 240' E/O DAY ST	10792019	22000L	-117.278154334	33.9377410511	29	1491960
4214318E	CONCRETE	1992	CAMPUS PARKWAY S/S 429' E/O DAY ST	10792019	22000L	-117.277457324	33.9378685699	29	1491960
4214319E	CONCRETE	1992	CAMPUS PARKWAY N/S 429' E/O DAY ST	10792019	22000L	-117.277430725	33.9379517640	29	1491960
4212629E	CONCRETE	1992	EUCALYPTUS W/S 280' S/O TOWN GATE	10792019	22000L	-117.273567497	33.9361899117	29	1491960
4232742E	CONCRETE	1992	EUCALYPTUS N/W CORNER OF TOWN GATE CIR.	10792019	22000L	-117.273189440	33.9366717132	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4212613E	CONCRETE	1992	DAY ST 65' N/O CAMPUS PARKWAY	10792019	22000L	-117.278871819	33.9382024429	29	1491960
4212615E	CONCRETE	1992	DAY ST E/S 230' N/O CAMPUS PARKWAY	10792019	22000L	-117.278867187	33.9389252111	29	1491960
4212616E	CONCRETE	1992	DAY ST E/S 366' N/O CAMPUS PARKWAY	10792019	22000L	-117.278878659	33.9393373152	29	1491960
4212619E	CONCRETE	1992	DAY ST E/S 84' N/O CANYON SPRINGS PARKWAY	10792019	22000L	-117.278893422	33.9400269479	29	1491960
4212620E	CONCRETE	1992	DAY ST E/S 226' N/O CANYON SPRINGS PARKWAY	10792019	22000L	-117.278902962	33.9405544805	29	1491960
4214322E	CONCRETE	1992	CAMPUS PARKWAY S/S 370' W/O TOWNGATE	10792019	22000L	-117.276481582	33.9383730101	29	1491960
4214324E	CONCRETE	1992	CAMPUS PARKWAY S/S 216' W/O TOWNGATE	10792019	22000L	-117.275947136	33.9384485027	29	1491960
4214326E	CONCRETE	1992	CAMPUS PARKWAY N/W/COR TOWNGATE	10792019	22000L	-117.275286439	33.9386208204	29	1491960
4214327E	CONCRETE	1992	CAMPUS PARKWAY S/W/COR TOWNGATE	10792019	22000L	-117.275259336	33.9385047689	29	1491960
4364844E	CONCRETE	2000	CAMPUS PARKWAYS/S 230' W/O TOWNGATE	10792019	22000L	-117.276013258	33.9385196211	31	1491960
4214323E	CONCRETE	1992	CAMPUS PARKWAY S/S 370' W/O TOWNGATE	10792019	22000L	-117.276368194	33.9382892030	29	1491960
2309959E	CONCRETE	1984	KINROSS LN, N/S, 175 W/O RIPARIAN WAY	10792022	9500L	-117.268117752	33.9415979267	25	1491962
2309960E	CONCRETE	1984	KINROSS LN, S/S, COR/O RIPARIAN WAY	10792022	9500L	-117.267485016	33.9414400167	25	1491962
2309961E	CONCRETE	1984	KINROSS LN, N/S, 210 E/O RIPARIAN WAY	10792022	9500L	-117.266804304	33.9414639065	25	1491962
2286443E	CONCRETE	1984	KINROSS LN S/S 135' W/O HYTHE ST	10792022	9500L	-117.264471535	33.9415297716	25	1491962
2309962E	CONCRETE	1984	KINROSS LN, S/S, 370 E/O RIPARIAN WY	10792022	9500L	-117.266194479	33.9413845976	25	1491962
2309963E	CONCRETE	1984	KINROSS LN, S/S, 210 W/O FORMBY DR	10792022	9500L	-117.265704092	33.9414422107	25	1491962
2309964E	CONCRETE	1984	KINROSS LN, S/S, COR/O FORMBY DR	10792022	9500L	-117.265072540	33.9414634910	25	1491962
4058928E	CONCRETE	1989	W/S HERITAGE, 525' N/O TOWNGATE	10792022	22000L	-117.266507467	33.9366388866	29	1491960
4058929E	CONCRETE	1989	E/S HERITAGE, 525' N/O TOWNGATE	10792022	22000L	-117.266421452	33.9367641009	29	1491960
4058930E	CONCRETE	1989	W/S HERITAGE, 718' N/O EASTRIDGE	10792022	22000L	-117.266919457	33.9370757012	29	1491960
4058931E	CONCRETE	1989	E/S HERITAGE, 718' N/O EASTRIDGE	10792022	22000L	-117.266801191	33.9371439579	29	1491960
4058932E	CONCRETE	1989	E/S TOWNGATE, 606' S/O CENTERPOINT	10792022	22000L	-117.266216189	33.9378656677	29	1491960
4058913E	CONCRETE	1989	S/S CENTERPOINT, 1060' W/O FREDERICK	10792022	22000L	-117.264476810	33.9395868431	29	1491960
4058933E	CONCRETE	1989	E/S TOWNGATE, 341' S/O CENTERPOINT	10792022	22000L	-117.266173763	33.9386351014	29	1491960
4058935E	CONCRETE	1989	S/S CENTERPOINT, 1463' W/O FREDERICK	10792022	22000L	-117.265854562	33.9394434794	29	1491960
4058936E	CONCRETE	1989	N/S CENTERPOINT, 1447' W/O FREDERICK	10792022	22000L	-117.265764225	33.9395648203	29	1491960
4058937E	CONCRETE	1989	S/S CENTERPOINT, 1234' W/O FREDERICK	10792022	22000L	-117.265005175	33.9396181283	29	1491960
4058938E	CONCRETE	1989	N/S CENTERPOINT, 1270' W/O FREDERICK	10792022	22000L	-117.265078246	33.9397070575	29	1491960
4058940E	CONCRETE	1989	S/S CENTERPOINT, 864' W/O FREDERICK	10792022	22000L	-117.263960083	33.9393318233	29	1491960
4058941E	CONCRETE	1989	N/S CENTERPOINT, 884' W/O FREDERICK	10792022	22000L	-117.263946658	33.9394510425	29	1491960
4442137E	CONCRETE	2001	S/S CENTERPOINT, 1363' W/O FREDERICK	10792022	22000L	-117.265477844	33.9395450346	31	1491960
4058939E	CONCRETE	1989	N/S CENTERPOINT, 1060' W/O FREDERICK	10792022	22000L	-117.264435394	33.9397108446	29	1491960
2245135E	CONCRETE	1983	SUNNYMEADOWS W/S 200 N/O PARK	10792025	9500L	-117.257484634	33.9379288561	25	1491962
2245136E	CONCRETE	1983	SUNNYMEADOWS W/S 30 N/O PARK VALLEY	10792025	9500L	-117.257723415	33.9372291790	25	1491962
2245137E	CONCRETE	1983	SUNNYMEADOWS W/S 150 S/O PARK VALLEY	10792025	9500L	-117.257879639	33.9367536650	25	1491962
2245139E	CONCRETE	1983	PARK VALLEY N/S 20 E/O MEADBERRY	10792025	9500L	-117.256920573	33.9372901357	25	1491962
2245140E	CONCRETE	1983	MEADBERRY W/S 125 S/O PARK VALLEY	10792025	9500L	-117.256965301	33.9369370612	25	1491962
2245141E	CONCRETE	1983	MEADBERRY W/S 30 N/O MERRY GROVE	10792025	9500L	-117.256940576	33.9364812104	25	1491962
2245329E	CONCRETE	1983	ANDERTTI E/S C/O BRABHAM	10792025	9500L	-117.260683210	33.9367683564	30	1491962
2245331E	CONCRETE	1983	ANDERTTI W/S 200 S/O ANDERTTI ST	10792025	9500L	-117.260757562	33.9378648379	30	1491962
2245337E	CONCRETE	1983	PENSKE E/S 250 S/O ANDERTTI	10792025	9500L	-117.258794513	33.9377083756	30	1491962
2245338E	CONCRETE	1983	PENSKE W/S 260 N/O DONOHUE	10792025	9500L	-117.259665883	33.9376550508	30	1491962
2245339E	CONCRETE	1983	PENSKE W/S 100 N/O DONOHUE	10792025	9500L	-117.259824721	33.9372842657	30	1491962
2245340E	CONCRETE	1983	PENSKE W/S C/O DONOHUE	10792025	9500L	-117.259818735	33.9368348856	30	1491962
2245341E	CONCRETE	1983	DONOHUE E/S 230 E/O PENSKE	10792025	9500L	-117.258951164	33.9368726947	30	1491962
2226505E	CONCRETE	1981	SOFTWIND DR. E/S 345' N/O C/L/O VALLEY MEAD	10792025	9500L	-117.254258440	33.9365724303	25	1491962
2226506E	CONCRETE	1981	SOFTWIND DR. W/S 515' N/O C/L/O VALLEY MEAD	10792025	9500L	-117.254377674	33.9370173665	25	1491962
2226507E	CONCRETE	1981	SOFTWIND DR. E/S 335' S/O C/L/O SUNNYMEAD	10792025	9500L	-117.254249241	33.9375066363	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2226508E	CONCRETE	1981	SOFTWIND DR. W/S 160' S/O C/L/O SUNNYMEAD	10792025	9500L	-117.254342949	33.9379195916	25	1491962
2226511E	CONCRETE	1981	VALLEY MEADOWS DR. W/S 165' S/O C/L/O SUNN	10792025	9500L	-117.253476030	33.9381269775	25	1491962
2269786E	CONCRETE	1982	VALLEY MEADOWS E/S 515' S/O SUNNYMEADOW	10792025	9500L	-117.253351964	33.9370850616	25	1491962
2269787E	CONCRETE	1982	VALLEY MEADOWS W/S 690' S/O SUNNYMEADOV	10792025	9500L	-117.253447425	33.9365865580	25	1491962
2270171E	CONCRETE	1983	SHADYBEND E/S 180 S/O PARK VALLEY	10792025	9500L	-117.255265510	33.9367926827	30	1491962
2270172E	CONCRETE	1983	SHADYBEND E/S 10 N/O PARK VALLEY	10792025	9500L	-117.255254115	33.9372558464	30	1491962
2270173E	CONCRETE	1983	MEADOWGATE N/S 180 N/O PARK VALLEY	10792025	9500L	-117.256280528	33.9377150055	30	1491962
2270174E	CONCRETE	1983	PARK VALLEY S/S 10 W/O MEADOWGATE	10792025	9500L	-117.256290281	33.9371757470	30	1491962
2270175E	CONCRETE	1983	MERRYGROVE 260 E/O MEADBERRY	10792025	9500L	-117.256311572	33.9364945629	30	1491962
2226515E	CONCRETE	1981	SUNNYMEAD BLVD. S/S 455' W/O C/L/O GRAHAM	10792025	9500L	-117.256547632	33.9383625312	30	1491962
2226523E	CONCRETE	1981	SUNNYMEAD BLVD. N/S 590' W/O C/L/O SHADY B	10792025	9500L	-117.257002941	33.9383777351	25	1491962
2245330E	CONCRETE	1983	ANDERTTI W/S 195 N/O BRABHAM	10792025	9500L	-117.260812615	33.9371616999	30	1491962
2245332E	CONCRETE	1983	NW/CO ANDERTTI AVE & ANDERTTI ST	10792025	9500L	-117.260721642	33.9384269684	30	1491962
2245333E	CONCRETE	1983	ANDERTTI ST N/S 160 E/O ANDERTTI AVE	10792025	9500L	-117.260014434	33.9384510993	30	1491962
2245334E	CONCRETE	1983	ANDERTTI N/S 160 W/O PENSKE	10792025	9500L	-117.259346615	33.9384487569	30	1491962
2245335E	CONCRETE	1983	NE/CO ANDERTTI & PENSKE	10792025	9500L	-117.258835664	33.9384178054	30	1491962
2245336E	CONCRETE	1983	PENSKE E/S 120 S/O ANDERTTI	10792025	9500L	-117.258817175	33.9380358525	30	1491962
2226514E	CONCRETE	1981	N/W COR/O SUNNYMEADOWS DR.& VALLEY MEA	10792025	9500L	-117.253439929	33.9385148073	30	1491962
2226516E	CONCRETE	1981	N/E COR/O SUNNYMEADOWS DR. & SOFTWIND D	10792025	9500L	-117.254253779	33.9384624839	30	1491962
2226517E	CONCRETE	1981	SUNNYMEADOWS DR. S/S 145' W/O C/L/O SOFTV	10792025	9500L	-117.254907258	33.9383930395	30	1491962
2226519E	CONCRETE	1981	SUNNYMEADOWSDR. N/S AT SHADY BEND DR.	10792025	9500L	-117.255346981	33.9384832093	25	1491962
2226521E	CONCRETE	1981	SUNNYMEADOWS DR. S/S 220' W/O C/L/O SHADY	10792025	9500L	-117.256035474	33.9384316440	25	1491962
4039839E	CONCRETE	1987	OLIVEWOOD PLAZA S/S, 310' W/O GRAHAM ST	10792025	9500L	-117.253924742	33.9401264128	25	1491962
4064195E	CONCRETE	1989	S/S OLIVEWOOD PLAZA DR., 50' E/O OLIVEWOOD	10792025	9500L	-117.255697210	33.9400376590	25	1491962
2245702E	CONCRETE	1983	FREDERICK E/S 250 N/O BRABHAM	10792025	22000L	-117.261426116	33.9373629092	30	1491960
2245705E	CONCRETE	1983	FREDERIC/S 120 S/O BRABHAM	10792025	22000L	-117.261415066	33.9365750939	30	1491960
4058911E	CONCRETE	1989	W/S FREDERICK, 703' N/O EASTRIDGE	10792025	22000L	-117.261542263	33.9371828725	29	1491960
4001928E	CONCRETE	1987	SUNNYMEAD BL N/S, 269' E/O FREDERICK ST	10792025	22000L	-117.260653505	33.9395657251	29	1491960
4057397E	CONCRETE	1989	W/S FREDERICK, 302' N/O CENTERPOINT	10792025	22000L	-117.261570884	33.9389151329	29	1491960
4058944E	CONCRETE	1989	N/S CENTERPOINT, 393' W/O FREDERICK	10792025	22000L	-117.262663118	33.9383701361	29	1491960
4058945E	CONCRETE	1989	S/S CENTERPOINT, 340' W/O FREDERICK	10792025	22000L	-117.262527786	33.9381842463	29	1491960
4151174E	CONCRETE	1990	N/S SUNNYMEAD BL. 1009' E/O FREDERICK ST.	10792025	22000L	-117.258177653	33.9391384365	25	1491960
4151301E	CONCRETE	1990	S/S SUNNYMEAD BLVD. 271' E/O FREDRICK ST.	10792025	22000L	-117.260612088	33.9394763014	25	1491960
4151302E	CONCRETE	1990	S/S SUNNYMEAD BLVD. 474' E/O FREDRICK	10792025	22000L	-117.259954283	33.9393735510	25	1491960
4151303E	CONCRETE	1990	N/S SUNNYMEAD BL. 563' E/O FREDERICK ST.	10792025	22000L	-117.259661282	33.9394012467	25	1491960
4151304E	CONCRETE	1990	N/S SUNNYMEAD BL. 768' E/O FREDERICK ST.	10792025	22000L	-117.258935920	33.9393124294	25	1491960
4151305E	CONCRETE	1990	S/S SUNNYMEAD BL. 676' E/O FREDERICK ST.	10792025	22000L	-117.259205044	33.9392365152	25	1491960
4151306E	CONCRETE	1990	S/S SUNNYMEAD BL. 877' E/O FREDERICK ST.	10792025	22000L	-117.258176457	33.9390442098	25	1491960
4151307E	CONCRETE	1990	S/S SUNNYMEAD BL. 1095' E/O FREDERICK ST.	10792025	22000L	-117.257714094	33.9390284768	25	1491960
4151308E	CONCRETE	1990	S/S SUNNYMEAD BL. 366' W/O OLIVEWOOD PL.	10792025	22000L	-117.256978717	33.9389536812	25	1491960
4151309E	CONCRETE	1990	S/S SUNNYMEAD BL. 136' W/O OLIVEWOOD PL.	10792025	22000L	-117.256317273	33.9388908477	25	1491960
4064194E	CONCRETE	1989	N/S SUNNYMEAD BLVD., 200' E/O OLIVEWOOD PL	10792025	22000L	-117.255083650	33.9389384919	29	1491960
4151310E	CONCRETE	1990	N/S SUNNYMEAD BL. 80' W/O OLIVEWOOD PL.	10792025	22000L	-117.256109549	33.9389807256	25	1491960
4151311E	CONCRETE	1990	S/S SUNNYMEAD BL. 68' E/O OLIVEWOOD PL.	10792025	22000L	-117.255664175	33.9388721806	25	1491960
4151312E	CONCRETE	1990	S/S SUNNYMEAD BL. 311' E/O OLIVEWOOD PL.	10792025	22000L	-117.254992837	33.9388315565	25	1491960
4151313E	CONCRETE	1990	N/S SUNNYMEAD BL. 152' E/O OLIVEWOOD PL.	10792025	22000L	-117.255481944	33.9389380498	25	1491960
4151314E	CONCRETE	1990	S/S SUNNYMEAD BL. 361' E/O OLIVEWOOD PL.	10792025	22000L	-117.254569405	33.9388255101	25	1491960
4151315E	CONCRETE	1990	N/S SUNNYMEAD BL. 460' E/O OLIVEWOOD PLAZ	10792025	22000L	-117.254256845	33.9389273547	25	1491960
4151317E	CONCRETE	1990	N/S SUNNYMEAD BL. 320' W/O GRAHAM	10792025	22000L	-117.253708834	33.9389151500	25	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4299120E	CONCRETE	1996	SHADY BEND W/S 150' S/O C/L/O SUNNYMEADOW	10792025	9500L	-117.255346508	33.9380643856	23	1491962
4358997E	CONCRETE	1999	SUNNYMEAD BL N/S 210' W/O OLIVEWOOD PLAZ	10792025	22000L	-117.256697007	33.9390164276	31	1491960
4465614E	CONCRETE	2001	ALESSANDRO S/S, 300' E/O PERRIS BL	10792025	22000L	-117.261398460	33.9391143797	45	1491960
2225889E	CONCRETE	1982	FOXDALE DR. 10' N/O GAMMA ST	10792028	9500L	-117.250274705	33.9368101314	25	1491962
2225893E	CONCRETE	1982	REW CT. W/S 490' N/O DAMIAN ST.	10792028	9500L	-117.251167475	33.9366585641	25	1491962
2226509E	CONCRETE	1981	VALLEY MEADOWS DR. E/S 330' S/O C/L/O SUNNY	10792028	9500L	-117.253343782	33.9375829480	25	1491962
2270605E	CONCRETE	1982	GORHAM ST. W/S 530' N/O DAMIAN ST.	10792028	9500L	-117.252023078	33.9367930338	25	1491962
2270623E	CONCRETE	1982	GAMMA ST. N/S 150' E/O ARGO ST.	10792028	9500L	-117.247892447	33.9368280953	25	1491962
2270624E	CONCRETE	1982	GAMMA ST. N/S 30' W/O ARGO PL.	10792028	9500L	-117.248492659	33.9368435354	25	1491962
2270625E	CONCRETE	1982	GAMMA ST. N/S 230' W/O ARGO PL.	10792028	9500L	-117.249132264	33.9368358044	25	1491962
2270626E	CONCRETE	1982	GAMMA ST. N/S 390' W/O ARGO PL.	10792028	9500L	-117.249674476	33.9368180897	25	1491962
2270633E	CONCRETE	1982	GAMMA ST E/S 600' N/O URIS ST.	10792028	9500L	-117.246467311	33.9368087326	25	1491962
2270634E	CONCRETE	1982	GAMMA ST. N/S 390' E/O ARGO PL.	10792028	9500L	-117.247162593	33.9368498760	25	1491962
2347614E	CONCRETE	1986	GRAHAM ST, W/S, 540' S/O HEMLOCK AVE	10792028	9500L	-117.252758979	33.9415425632	25	1491962
4039840E	CONCRETE	1987	OLIVEWOOD PLAZA S/S, 78' W/O GRAHAM ST	10792028	9500L	-117.253032204	33.9401273984	25	1491962
4039841E	CONCRETE	1987	GRAHAM ST W/S, 238' S/O OLIVEWOOD PLAZA	10792028	9500L	-117.252780772	33.9394640565	25	1491962
4063529E	CONCRETE	1989	E/S LORRAINE TERRACE, 340' N/O SUNNYMEAD B	10792028	9500L	-117.245483891	33.9402807883	25	1491962
2225900E	CONCRETE	1982	GRAHAM ST. E/S 630' N/O OLD VALLEY DR.	10792028	22000L	-117.252682731	33.9365371539	29	1491960
2226510E	CONCRETE	1981	GRAHAM ST. W/S 275' S/O C/L/O SUNNYMEADOW	10792028	22000L	-117.252829478	33.9379056402	25	1491960
2270606E	CONCRETE	1982	GRAHAM ST. E/S 800' N/O VALLEY DR.	10792028	22000L	-117.252695106	33.9369761265	29	1491960
2226512E	CONCRETE	1981	S/W COR./O GRAHAM ST. & SUNNYMEADOWS DR	10792028	22000L	-117.252859332	33.9384192894	25	1491960
4151316E	CONCRETE	1990	S/S SUNNYMEAD BL. 165' W/O GRAHAM	10792028	22000L	-117.253181716	33.9388578604	25	1491960
4151319E	CONCRETE	1990	N/S SUNNYMEAD BL. 45' W/O STRIP ST.	10792028	22000L	-117.251298521	33.9390142656	25	1491960
4151320E	CONCRETE	1990	S/S SUNNYMEAD BL. 319' E/O GRAHAM	10792028	22000L	-117.251700331	33.9388901571	25	1491960
4151321E	CONCRETE	1990	S/S SUNNYMEAD BL. 20' W/O STRIP ST.	10792028	22000L	-117.251064037	33.9389184706	25	1491960
4151322E	CONCRETE	1990	N/S SUNNYMEAD BL. 250' E/O STRIP ST.	10792028	22000L	-117.250136215	33.9390032245	25	1491960
4151323E	CONCRETE	1990	S/S SUNNYMEAD BL. 190' E/O STRIP ST.	10792028	22000L	-117.250341083	33.9389150903	25	1491960
4151324E	CONCRETE	1990	S/S SUNNYMEAD BL. 15' W/O BEACON ST	10792028	22000L	-117.249659071	33.9389123920	25	1491960
4151325E	CONCRETE	1990	N/S SUNNYMEAD BL. 20' E/O BEACON ST.	10792028	22000L	-117.249435621	33.9390071869	25	1491960
4151327E	CONCRETE	1990	S/S SUNNYMEAD BL. 430' E/O BEACON ST.	10792028	22000L	-117.248375636	33.9388645054	25	1491960
4151328E	CONCRETE	1990	N/S SUNNYMEAD BL. 250' E/O BEACON	10792028	22000L	-117.248689350	33.9390104566	25	1491960
4151329E	CONCRETE	1990	N/S SUNNYMEAD BL. 510' E/O BEACON ST.	10792028	22000L	-117.248011348	33.9390103073	25	1491960
4151330E	CONCRETE	1990	N/S SUNNYMEAD BL. 680' E/O BEACON ST.	10792028	22000L	-117.247278941	33.9390026992	25	1491960
4151331E	CONCRETE	1990	S/S SUNNYMEAD BL. 588' E/O BEACON ST.	10792028	22000L	-117.247663734	33.9388866744	25	1491960
4151332E	CONCRETE	1990	S/S SUNNYMEAD BL. 816' E/O BEACON	10792028	22000L	-117.246858658	33.9389216734	25	1491960
4165593E	WOOD	1992	300' N/O FLIGHT ST E/O STRIP DR.	10792028	9500L	-117.250920945	33.9405483029	35	1491960
4151333E	CONCRETE	1990	N/S SUNNYMEAD BL. 880' E/O BEACON ST.	10792028	22000L	-117.246658193	33.9390089113	25	1491960
4151335E	CONCRETE	1990	S/S SUNNYMEAD BL. 202' W/O LORAIN TERRACE	10792028	22000L	-117.246055484	33.9389061962	25	1491960
4151336E	CONCRETE	1990	S/S SUNNYMEAD BL. C/L OF LORAIN TERRACE	10792028	22000L	-117.245378866	33.9388828959	25	1491960
4151337E	CONCRETE	1990	N/S SUNNYMEAD BL. 117' E/O LORAIN TERRANC	10792028	22000L	-117.245166081	33.9390164912	25	1491960
4151338E	CONCRETE	1990	S/S SUNNYMEAD BL. 317' E/O HEACOCK	10792028	22000L	-117.244676852	33.9389049629	25	1491960
4151340E	CONCRETE	1990	S/S SUNNYMEAD BL. 102' E/O HEACOCK	10792028	22000L	-117.244069148	33.9389389817	25	1491960
4364688E	CONCRETE	2000	DAVID LN. S/S, E/O DAVID PL.	10792028	9500L	-117.249728596	33.9415467416	27	1491962
4364689E	CONCRETE	2000	DAVID LN, S/E C/O DAVID PL	10792028	9500L	-117.250289122	33.9415477609	27	1491962
4364690E	CONCRETE	2000	DAVID LN S/S, W/O DAVID LN	10792028	9500L	-117.250968202	33.9415368346	27	1491962
4364691E	CONCRETE	2000	DAVID LN S/S, W/O DAVID PL.	10792028	9500L	-117.251634246	33.9415397418	27	1491962
4364692E	CONCRETE	2000	DAVID LN S/S, W/O DAVID PL	10792028	9500L	-117.252277222	33.9415428406	27	1491962
4364463E	CONCRETE	2000	N/S SUNNYMEAD BL. 272' W/O HEACOCK	10792028	22000L	-117.244612380	33.9390234449	31	1491960
4285943E	CONCRETE	2002	HEACOCK W/S, 325' S/O C/L SUNNYMEAD	10792028	22000L	-117.243837678	33.9381144303	32	1491960



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4318130E	CONCRETE	2002	N/S SUNNYMEAD BL. 199' W/O LORIANE TERRACE	10792028	22000L	-117.246013408	33.9390152424	31	1491960
2228284E	CONCRETE	2010	HEACOCK ST, E/S, 500' N/O FIR AVE	10792028	22000L	-117.243696689	33.9367473749	32	1491960
2343910E	CONCRETE	1990	SUNNYMEAD BLVD S/S,W/O PERRIS BLVD	10792028	22000L	-117.252462931	33.9389572362	25	1491960
4112129E	CONCRETE	1989	S/S HEMLOCK, 540' W/O NITA	10792031	9500L	-117.237257520	33.9415944739	25	1491962
4112130E	CONCRETE	1989	N/S HEMLOCK, 727' W/O NITA	10792031	9500L	-117.237819400	33.9416143504	25	1491962
4112131E	CONCRETE	1989	S/S HEMLOCK, 810' E/O DAVIS	10792031	9500L	-117.238786200	33.9415746894	25	1491962
4112132E	CONCRETE	1989	N/S HEMLOCK, 638' E/O DAVIS	10792031	9500L	-117.239301976	33.9416963446	25	1491962
4112133E	CONCRETE	1989	S/S HEMLOCK, 450' E/O DAVIS	10792031	9500L	-117.239886327	33.9417119324	25	1491962
4112134E	CONCRETE	1989	N/S HEMLOCK, 278' E/O DAVIS	10792031	9500L	-117.240523933	33.9421197183	25	1491962
4112142E	CONCRETE	1990	N/S HEMLOCK, 365' S/O NITA	10792031	9500L	-117.236831795	33.9418606129	25	1491962
4212526E	CONCRETE	1993	POSTAL RD N/S 75' W/O C/L BACK WAY	10792031	9500L	-117.238325141	33.9405004519	25	1491962
4212527E	CONCRETE	1993	POSTAL RD S/S 75' E/O C/L BACK WAY	10792031	9500L	-117.237834190	33.9404309169	25	1491962
4212528E	CONCRETE	1993	POSTAL RD N/S 424' E/O C/L BACK WAY	10792031	9500L	-117.236665292	33.9405001261	25	1491962
4212532E	CONCRETE	1993	POSTAL RD S/S 647' E/O C/L BACK WAY	10792031	9500L	-117.236056045	33.9404205927	25	1491962
4213851E	CONCRETE	1991	S/S POSTAL AV, 400' W/O BACK ST.	10792031	9500L	-117.239402230	33.9403736915	25	1491962
4230284E	CONCRETE	1994	BACK WAY W/S, 243' N/O C/L SUNNYMEAD BLVD	10792031	9500L	-117.238134393	33.9396181441	25	1491962
2207352E	CONCRETE	1980	PACE DR N/S, 180' W/O OBISPO DR	10792031	9500L	-117.233799642	33.9419096132	25	1491962
2207353E	CONCRETE	1980	PACE DRIVE N/S, 370' W/O CL/O OBISPO DRIVE	10792031	9500L	-117.234291016	33.9418987100	25	1491962
4318124E	CONCRETE	2001	S/S HEMLOCK, 230' S/O NITA, MORENO VALLEY	10792031	9500L	-117.236541719	33.9419031322	26	1491962
1750619E	CONCRETE	1967	POSTAL AVE N/S 103' E/O P/L E/O HEACOCK ST	10792031	22000L	-117.242597444	33.9401613834	25	1491960
1750620E	CONCRETE	1967	P/L POSTAL AVE S/S 293' E/O HEACOCK ST	10792031	22000L	-117.242006832	33.9402259583	25	1491960
1750621E	CONCRETE	1967	POSTAL AVE N/S 500' E/O, P/L E/O HEACOCK	10792031	22000L	-117.241486701	33.9404287886	25	1491960
1750622E	CONCRETE	1967	P/L POSTAL AVE S/S 664' E/O HEACOCK ST	10792031	22000L	-117.240962530	33.9403531508	25	1491960
4151153E	CONCRETE	1990	S/S SUNNYMEAD BL. 349' E/O BACKWAY	10792031	22000L	-117.239181473	33.9389705220	25	1491960
4151157E	CONCRETE	1990	S/S SUNNYMEAD BL. 289' E/O BACKWAY	10792031	22000L	-117.237140993	33.9390031343	25	1491960
4151158E	CONCRETE	1990	N/S SUNNYMEAD BL. 168' E/O BACKWAY	10792031	22000L	-117.237494956	33.9391075139	25	1491960
4151159E	CONCRETE	1990	N/A SUNNYMEAD BL. 398' E/O BACKWAY	10792031	22000L	-117.236713577	33.9391081773	25	1491960
4151341E	CONCRETE	1990	S/S SUNNYMEAD BL. 283' E/O HEACOCK	10792031	22000L	-117.243091512	33.9389505369	25	1491960
4151342E	CONCRETE	1990	N/S SUNNYMEAD BL. 146' E/O HEACOCK	10792031	22000L	-117.243300387	33.9390412594	25	1491960
4151343E	CONCRETE	1990	N/S SUNNYMEAD BL. 350' E/O HEACOCK	10792031	22000L	-117.242713612	33.9390607047	25	1491960
4151344E	CONCRETE	1990	S/S SUNNYMEAD BL. 481' E/O HEACOCK	10792031	22000L	-117.242329717	33.9389346013	25	1491960
4151345E	CONCRETE	1990	N/S SUNNYMEAD BL. 563' E/O HEACOCK	10792031	22000L	-117.241853445	33.9390922604	25	1491960
4151346E	CONCRETE	1990	S/S SUNNYMEAD BL. 688' E/O HEACOCK	10792031	22000L	-117.241459353	33.9389387486	25	1491960
4151347E	CONCRETE	1990	N/S SUNNYMEAD BL. 799' E/O HEACOCK	10792031	22000L	-117.241045379	33.9390656895	25	1491960
4151348E	CONCRETE	1990	S/S SUNNYMEAD BL. 877' E/O HEACOCK	10792031	22000L	-117.240688008	33.9389531077	25	1491960
4151349E	CONCRETE	1990	N/S SUNNYMEAD BL. 1035' E/O HEACOCK	10792031	22000L	-117.240386686	33.9390761117	25	1491960
4151350E	CONCRETE	1990	S/S SUNNYMEAD BL. 599' W/O BACKWAY	10792031	22000L	-117.239867226	33.9389678458	25	1491960
4230282E	CONCRETE	1994	SUNNYMEAD BLVD. N/S, 276' W/O C/L BACK WAY	10792031	22000L	-117.238965646	33.9391261229	25	1491960
4151160E	CONCRETE	1990	S/S SUNNYMEAD BL. 533' E/O BACKWAY	10792031	22000L	-117.236121999	33.9389836873	25	1491960
4151161E	CONCRETE	1990	S/S SUNNYMEAD BL. 108' W/O INDIAN	10792031	22000L	-117.235252195	33.9390199026	25	1491960
4151162E	CONCRETE	1990	SOUTHWEST CORNER COKE AND HARDING ST.	10792031	22000L	-117.234485291	33.9390862829	25	1491960
4151163E	CONCRETE	1990	S/S SUNNYMEAD 262' E/O INDIAN	10792031	22000L	-117.234084347	33.9390080371	25	1491960
4151164E	CONCRETE	1990	N/S SUNNYMEAD BL. 380' E/O INDIAN	10792031	22000L	-117.233696761	33.9391044636	25	1491960
4151167E	CONCRETE	1990	N/S SUNNYMEAD BL. 227' W/O INDIAN	10792031	22000L	-117.235730982	33.9391207172	25	1491960
4271844E	CONCRETE	1995	INDIAN ST E/S, 175' S/O HEMLOCK AV	10792031	22000L	-117.234928996	33.9422343198	29	1491960
4271845E	CONCRETE	1995	INDIAN ST E/S, 150' N/O STATE RTE 60	10792031	22000L	-117.234929494	33.9414003352	29	1491960
4271846E	CONCRETE	1995	INDIAN ST E/S, 150' S/O STATE RTE 60	10792031	22000L	-117.234903079	33.9408152136	29	1491960
4271847E	CONCRETE	1995	INDIAN ST E/S, 340' N/O SUNNYMEAD BLVD	10792031	22000L	-117.234906701	33.9402628378	29	1491960
4709220E	CONCRETE	2009	SUNNYMEAD BLVD S/S, 224' W/O C/L BECK WAY	10792031	22000L	-117.238703815	33.9389949307	31	1491960



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
1919835E	WOOD	1970	24736 STARCREST DR, SUNNYMEAD	10792034	9500L	-117.230842890	33.9380551548	30	1491962
2074919E	WOOD	1975	N/W C/O WEBSTER & VAL VIEW	10792034	9500L	-117.232521933	33.9372587971	30	1491962
2074920E	WOOD	1975	WEBSTER AVE N/S 1500 E/O VALLEY VIEW	10792034	9500L	-117.231663965	33.9372378639	30	1491962
2074922E	WOOD	1975	WEBSTER AVE N/S 4000 E/O VALLEY VIEW	10792034	9500L	-117.231012480	33.9372218021	30	1491962
2074924E	WOOD	1975	N/E C/O VALLEY VIEW & STARCREST.	10792034	9500L	-117.232257460	33.9381635559	30	1491962
4271985E	WOOD	1994	14701 STARCREST	10792034	9500L	-117.231499515	33.9380670795	35	1491962
2207351E	CONCRETE	1980	OBISPO DR E/S, 140' S/O HEMLOCK	10792034	9500L	-117.233115810	33.9422398375	25	1491962
2207354E	CONCRETE	1980	PACE DR S/S, W/S OBISPO DR EXTENDED	10792034	9500L	-117.233175889	33.9416879942	25	1491962
2207355E	CONCRETE	1980	PACE DRIVE S/S, 120' E/O OBISPO DRIVE	10792034	9500L	-117.232718189	33.9416348081	25	1491962
2207356E	CONCRETE	1980	PACE DRIVE S/S, 300' E/O OBISPO DRIVE	10792034	9500L	-117.232143790	33.9415632387	25	1491962
2207357E	CONCRETE	1980	PACE DR N/S, 200' E/O OBISPO DR	10792034	9500L	-117.232198603	33.9419054547	25	1491962
2207358E	CONCRETE	1980	PACE DR S/S, C/L LEAHY DR, EXTD	10792034	9500L	-117.231188489	33.9414539797	25	1491962
2207359E	CONCRETE	1980	PACE DR N/S, 130' E/O LEAHY DR	10792034	9500L	-117.230726731	33.9414689974	25	1491962
2207360E	CONCRETE	1980	LEAHY DR W/S, 100' N/O PACE DR	10792034	9500L	-117.231303450	33.9417613390	25	1491962
2228115E	CONCRETE	1981	LAMOS PL E/S 150'S/O HEMLOCK AVE	10792034	9500L	-117.230146443	33.9422918928	25	1491962
2228116E	CONCRETE	1981	LAMOS PL W/S 310' S/O HEMLOCK AVE	10792034	9500L	-117.230298473	33.9417858466	25	1491962
2228117E	CONCRETE	1981	OPORTO DR N/S 100' E/O LAMOS PL	10792034	9500L	-117.229885940	33.9419509821	25	1491962
2228119E	CONCRETE	1981	OPORTO DR N/S 500' E/O LAMOS PL	10792034	9500L	-117.228463156	33.9419416512	25	1491962
2228120E	CONCRETE	1981	OPORTO DR N/S 290' W/O ONYX PL.	10792034	9500L	-117.227794073	33.9419456631	25	1491962
2358145E	CONCRETE	1987	ELDER AVE S/S, 803' W/O PERRIS BLVD	10792034	9500L	-117.228902341	33.9411041440	25	1491962
2169943E	CONCRETE	1980	ELDER AVENUE N/S, 950' E/O PERRIS BLVD.	10792034	9500L	-117.224812142	33.9409437200	35	1491962
2169944E	CONCRETE	1980	ELDER AVENUE N/S, 122' W/O LOPEZ DRIVE	10792034	9500L	-117.224206552	33.9407450839	35	1491962
2182497E	CONCRETE	1980	LOPEZ DRIVE W/S, 350' S/O HEMLOCK AVENUE	10792034	9500L	-117.223733685	33.9412104311	35	1491962
2182499E	CONCRETE	1980	LOPEZ DRIVE W/S, 130' S/O HEMLOCK AVENUE	10792034	9500L	-117.223697692	33.9420972616	35	1491962
2203986E	CONCRETE	1980	ELDER AVE S/S 80' S/O LOREZ DR	10792034	9500L	-117.223711851	33.9404384172	25	1491962
2358144E	CONCRETE	1987	ELDER AVE N/S, 538' W/O PERRIS BLVD	10792034	9500L	-117.227726494	33.9412122656	25	1491962
2302459E	CONCRETE	1985	W/S PERRIS BL N/O WEBSTER	10792034	22000L	-117.226449588	33.9373145902	29	1491960
2343909E	CONCRETE	1990	N/S SUNNYMEAD BL. 140' E/O GRAHAM	10792034	22000L	-117.227556896	33.9390563710	25	1491960
4151165E	CONCRETE	1990	S/S SUNNYMEAD BL. 466' E/O INDIAN	10792034	22000L	-117.233293375	33.9390032126	25	1491960
4151166E	CONCRETE	1990	S/S SUNNYMEAD 702'E/O INDIAN	10792034	22000L	-117.232634124	33.9390166310	25	1491960
4151170E	CONCRETE	1990	N/S SUNNYMEAD BL. 874' E/O INDIAN	10792034	22000L	-117.232289149	33.9391237691	25	1491960
4151171E	CONCRETE	1990	N/S SUNNYMEAD BL. 1043' E/O INDIAN	10792034	22000L	-117.231719157	33.9391584685	25	1491960
4151172E	CONCRETE	1990	N/S SUNNYMEAD BL. 1263' E/O INDIAN	10792034	22000L	-117.230970674	33.9391533493	25	1491960
4151173E	CONCRETE	1990	S/S SUNNYMEAD BL. 1140' E/O INDIAN	10792034	22000L	-117.231361159	33.9389881574	25	1491960
4151175E	CONCRETE	1990	S/S SUNNYMEAD BL. 1331' E/O INDIAN	10792034	22000L	-117.230668969	33.9390045709	25	1491960
4151176E	CONCRETE	1990	N/S SUNNYMEAD BL. 1391' W/O PERRIS BL.	10792034	22000L	-117.230288881	33.9391126912	25	1491960
4151177E	CONCRETE	1990	S/S SUNNYMEAD BL. 1115' W/O PERRIS BL.	10792034	22000L	-117.230102902	33.9390366296	25	1491960
4151178E	CONCRETE	1990	N/S SUNNYMEAD BL. 991' W/O PERRIS BL.	10792034	22000L	-117.229627519	33.9391267970	25	1491960
4151179E	CONCRETE	1990	S/S SUNNYMEAD BL. 895' W/O PERRIS BL.	10792034	22000L	-117.229306836	33.9390248552	25	1491960
4151180E	CONCRETE	1990	N/S SUNNYMEAD BL. 550' W/O PERRIS BL.	10792034	22000L	-117.228201732	33.9391287599	25	1491960
4151181E	CONCRETE	1990	N/S SUNNYMEAD BL 347' W/O PERRIS BL.	10792034	22000L	-117.227628363	33.9391339851	25	1491960
4151182E	CONCRETE	1991	S/S SUNNYMEAD BL. 280' W/O PERRIS BL.	10792034	22000L	-117.227201683	33.9390638545	25	1491960
2302463E	CONCRETE	1985	E/S PERRIS BL S/O HEMLOCK	10792034	22000L	-117.226319840	33.9423534223	29	1491960
4524097E	CONCRETE	2004	ELDER AVENUE N/S, 300' E/O PERRIS BLVD.	10792034	9500L	-117.225565422	33.9410890791	25	1491962
4529631E	CONCRETE	2006	LEAHY DR E/S, 140' S/O HEMLOCK	10792034	9500L	-117.231121436	33.9422811294	26	1491962
4529641E	CONCRETE	2006	W/S PERRIS BL S/O HEMLOFCK	10792034	22000L	-117.226424131	33.9420186495	31	1491960
4151169E	CONCRETE	1990	S/S SUNNYMEAD BL. 874' E/O INDIAN	10792034	22000L	-117.232109568	33.9389877765	25	1491960
4151168E	CONCRETE	1990	N/S SUNNYMEAD BL. 530' E/O INDIAN	10792034	22000L	-117.233222794	33.9391260960	25	1491960
1944170E	CONCRETE	1971	KITCHING ST W/S 627' N/O FIR AVE	10792037	5800L	-117.217716098	33.9373213597	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2289974E	CONCRETE	1983	SHADOWBROOK ST 150 N/O A ST	10792037	9500L	-117.217073347	33.9378631753	25	1491962
2289975E	CONCRETE	1983	SHADOWBROOK ST 200 N/O A ST	10792037	9500L	-117.217089728	33.9380210820	25	1491962
2297095E	CONCRETE	1984	SHADOWBROOK W/S 60 S/O SKYBROOK	10792037	9500L	-117.217104827	33.9372883581	25	1491962
2292536E	CONCRETE	1984	WILLOWTREE W/S @ HOLLYBROOK	10792037	9500L	-117.216009884	33.9372848955	25	1491962
2292537E	CONCRETE	1984	WILLOWTREE E/S 190 N/O HOLLYBROOK	10792037	9500L	-117.215881075	33.9378392806	25	1491962
2292538E	CONCRETE	1984	WILLOWTREE W/S 185 S/O SUNNYMEAD BLVD	10792037	9500L	-117.215994154	33.9382443689	25	1491962
2309655E	CONCRETE	1984	PEACHLEAF ST, E/S, 350 S/O SYMD BLVD	10792037	9500L	-117.213705777	33.9379026460	25	1491962
2309656E	CONCRETE	1984	PEACHLEAF ST, 345 E/O HEARTLEAF	10792037	9500L	-117.213787822	33.9376728630	25	1491962
2309657E	CONCRETE	1984	PEACHLEAF ST, N/S, 150 E/O HEARTLEAF ST	10792037	9500L	-117.214474528	33.9377373801	25	1491962
2309658E	CONCRETE	1984	HEARTLEAF ST, 290 N/O PEACHLEAF ST	10792037	9500L	-117.214475235	33.9384602806	25	1491962
2309659E	CONCRETE	1984	HEARTLEAF ST, W/S, 195 N/O PEACHLEAF ST	10792037	9500L	-117.215045962	33.9382522121	25	1491962
2309660E	CONCRETE	1984	HEARTLEAF ST, W/S COR/O PEACHLEAF ST	10792037	9500L	-117.215054483	33.9376872324	25	1491962
2309661E	CONCRETE	1984	HOLLYBROOK ST, N/S, 140 W/O HEARTLEAF ST	10792037	9500L	-117.215484247	33.9373356179	25	1491962
2169945E	CONCRETE	1980	LOPEZ DRIVE E/S, 110' N/O ELDER AVENUE	10792037	9500L	-117.223606624	33.9407580017	35	1491962
2182498E	CONCRETE	1980	LOPEZ DRIVE E/S, 300' S/O HEMLOCK AVENUE	10792037	9500L	-117.223575402	33.9416600290	35	1491962
2203987E	CONCRETE	1980	ELDER AVE N/S 165' W/O MARYMOUNT PL.	10792037	9500L	-117.223156120	33.9402751170	25	1491962
2203988E	CONCRETE	1980	ELDER AVE S/S 65' S/O MARYMOUNT PL	10792037	9500L	-117.222468724	33.9401320657	25	1491962
2203989E	CONCRETE	1980	ELDER AVE N/S 170' E/O MARYMOUNT PL	10792037	9500L	-117.221972714	33.9402025796	25	1491962
2203990E	CONCRETE	1980	MARYMOUNT PL E/S 130' N/O ELDER AVE	10792037	9500L	-117.222449926	33.9405141836	25	1491962
2203991E	CONCRETE	1980	MARYMOUNT PL W/S 340' N/O ELDER AVE	10792037	9500L	-117.222600392	33.9411153878	25	1491962
2203992E	CONCRETE	1980	MARYMOUNT PL E/S 545' N/O ELDER AVE	10792037	9500L	-117.222511075	33.9416853815	25	1491962
2226535E	CONCRETE	1982	VISTA HEMOSA DR W/S 155' S/O HEMLOCK AVE	10792037	9500L	-117.221687938	33.9423385971	25	1491962
2226536E	CONCRETE	1982	VISTA HERMOSA DR E/S 160' N/O LOS PALOMAS	10792037	9500L	-117.221529854	33.9417844178	25	1491962
2226537E	CONCRETE	1982	S/W C/O VISTA HERMOSA DR/ LOS PALOMAS DR	10792037	9500L	-117.221650378	33.9413419219	25	1491962
2226539E	CONCRETE	1982	PASEO DEL SOL WAY W/S 150' N/O LOS PALOMAS	10792037	9500L	-117.220582928	33.9419136735	25	1491962
2226540E	CONCRETE	1982	LOS PALOMAS DR S/S AT PASEO DEL SOL WAY	10792037	9500L	-117.220846177	33.9412768404	25	1491962
2226541E	CONCRETE	1982	LOS PALOMAS DR S/S 200' E/O PASEO DEL SOL W	10792037	9500L	-117.220097767	33.9412916898	25	1491962
2226542E	CONCRETE	1982	LOS PALOMAS DR N/S 195' W/O ARENISCA VERDE	10792037	9500L	-117.219221097	33.9413718360	25	1491962
2226543E	CONCRETE	1982	LOS PALOMAS DR S/S AT ARENISCA VERDE DR	10792037	9500L	-117.218594049	33.9412912651	25	1491962
2226544E	CONCRETE	1982	ARENISCA VERDE DR E/S 155' N/O LOS PALOMAS	10792037	9500L	-117.218543145	33.9417509118	25	1491962
2267564E	CONCRETE	1983	KITCHING ST W/S 175 S/O HEMLOCK AV	10792037	9500L	-117.217700540	33.9424109976	25	1491962
2267565E	CONCRETE	1983	KITCHING ST W/S 105 N/O LOS PALOMAS DR	10792037	9500L	-117.217744514	33.9416135368	25	1491962
2267566E	CONCRETE	1983	KITCHING ST W/S 15 S/O LOS PALOMAS DR	10792037	9500L	-117.217698827	33.9412319089	25	1491962
2289959E	CONCRETE	1983	ELDER S/S 120 W/O KITCHING	10792037	9500L	-117.218175315	33.9400458977	25	1491962
2289960E	CONCRETE	1983	CAPE CT N/S 150 N/O ELDER	10792037	9500L	-117.218553480	33.9403788197	25	1491962
2289961E	CONCRETE	1983	ELDER N/S 20 W/O CAPE CT	10792037	9500L	-117.218686899	33.9400887169	25	1491962
2289962E	CONCRETE	1983	ELDER S/S 60 E/O COOL CT	10792037	9500L	-117.219331376	33.9400174467	25	1491962
2289963E	CONCRETE	1983	COOL CT N/S 150 N/O ELDER	10792037	9500L	-117.219543076	33.9403685016	25	1491962
2289964E	CONCRETE	1983	ELDER N/S 20 W/O COOL CT	10792037	9500L	-117.219626941	33.9400960725	25	1491962
2289965E	CONCRETE	1983	ELDER S/S 60 E/O GAIN CT	10792037	9500L	-117.220332111	33.9400393195	25	1491962
2289966E	CONCRETE	1983	GAIN CT N/S 150 N/O ELDER	10792037	9500L	-117.220500556	33.9404759341	25	1491962
2289967E	CONCRETE	1983	ELDER N/S 20 W/O GAIN ST	10792037	9500L	-117.220637659	33.9401322444	25	1491962
2289968E	CONCRETE	1983	ELDER S/S 20 E/O FELT CT	10792037	9500L	-117.221480878	33.9400904398	25	1491962
2289969E	CONCRETE	1983	FELT CT N/S 150 N/O ELDER	10792037	9500L	-117.221493791	33.9404494226	25	1491962
2309980E	CONCRETE	1985	KITCHING ST, E/S, 230' N/O ELDER AVE	10792037	9500L	-117.217591514	33.9407854380	25	1491962
4057384E	CONCRETE	1989	S/S STUYVESANT, 40' E/O KITCHING	10792037	9500L	-117.217461406	33.9420640811	25	1491962
4222653E	CONCRETE	1992	LOS PALOMAS DR N/S 82' E/O VISTA HERMOSA D	10792037	9500L	-117.221313102	33.9413749100	25	1491962
2292539E	CONCRETE	1984	SUNNYMEAD BLVD 120 E/O WILLOWTREE	10792037	9500L	-117.215635812	33.9389115497	25	1491962
4286595E	CONCRETE	1995	SUNNYMEAD S/S 15 W/O WILLOWTREE	10792037	9500L	-117.216042121	33.9388986998	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2309144E	CONCRETE	1985	YUMA CT, END/O CUL-DE-SAC N/O ELDER AVE	10792037	9500L	-117.213937280	33.9411932693	25	1491962
2309651E	CONCRETE	1984	SUNNYMEAD BL, S/S 330 W/O PEACHLEAF ST	10792037	9500L	-117.214860102	33.9389084194	25	1491962
2309652E	CONCRETE	1984	SUNNYMEAD BL, S/S 130 W/O PEACHLEAF ST	10792037	9500L	-117.214189971	33.9388896607	25	1491962
2309653E	CONCRETE	1984	SUNNYMEAD BL, S/E COR/O PEACHLEAF ST	10792037	9500L	-117.213709589	33.9389053585	25	1491962
2309654E	CONCRETE	1984	PEACHLEAF ST, W/S, 170 S/O SYMB BLVD	10792037	9500L	-117.213823856	33.9383042842	25	1491962
2309983E	CONCRETE	1985	KASOTA COURT W/S, 330' N/O ELDER AVENUE	10792037	9500L	-117.216782588	33.9408638234	25	1491962
2309984E	CONCRETE	1985	KASOTA COURT E/S, 475' N/O ELDER AVENUE	10792037	9500L	-117.216691283	33.9414978247	25	1491962
2309985E	CONCRETE	1985	KASOTA CT, E/S, 110' N/O ELDER AVE	10792037	9500L	-117.216653121	33.9403841156	25	1491962
2309988E	CONCRETE	1985	TUSCOLA ST, W/S, 115' N/O ELDER AVE	10792037	9500L	-117.215896574	33.9402830504	25	1491962
2309989E	CONCRETE	1985	TUSCOLA ST, E/S, 255' N/O ELDER AVE	10792037	9500L	-117.215735072	33.9406250331	25	1491962
2309990E	CONCRETE	1985	TUSCOLA ST, W/S, 480' N/O ELDER AVE	10792037	9500L	-117.215888157	33.9413212625	25	1491962
2309991E	CONCRETE	1985	TUSCOLA ST, W/S, 675' N/O ELDER AVE	10792037	9500L	-117.215896429	33.9418716025	25	1491962
2309996E	CONCRETE	1985	SHASTA PLACE, E/S, 110' N/O ELDER AVE	10792037	9500L	-117.214873770	33.9402419472	25	1491962
2309997E	CONCRETE	1985	SHASTA PLACE, W/S, 330' N/O ELDER AVE	10792037	9500L	-117.214948247	33.9407291945	25	1491962
2309998E	CONCRETE	1985	SHASTA PLACE, END CUL-DE-SAC N/O ELDER AVE	10792037	9500L	-117.214822140	33.9414999235	25	1491962
2309999E	CONCRETE	1985	YUMA CT, E/S, 115' N/O ELDER AVE	10792037	9500L	-117.213852688	33.9403027076	25	1491962
2310000E	CONCRETE	1985	YUMA CT, W/S, 285' N/O ELDER	10792037	9500L	-117.213976372	33.9407502391	25	1491962
4057385E	CONCRETE	1989	S/S STUYVESANT, 40' W/O COCOPAH	10792037	9500L	-117.216850993	33.9422055227	25	1491962
4112383E	CONCRETE	1989	S/S STUYVESANT, 530' E/O TUSCOLA	10792037	9500L	-117.214026507	33.9422362463	25	1491962
4112384E	CONCRETE	1989	N/S STUYVESANT, 300' E/O TUSCOLA	10792037	9500L	-117.214825500	33.9422956638	25	1491962
4112385E	CONCRETE	1989	S/S STUYVESANT, 100' E/O TUSCOLA	10792037	9500L	-117.215448069	33.9422140597	25	1491962
4112386E	CONCRETE	1989	S/S STUYVESANT, 100' W/O TUSCOLA	10792037	9500L	-117.216248495	33.9422112266	25	1491962
4112388E	CONCRETE	1989	E/S TUSCOLA, 50' N/O STUYVESANT	10792037	9500L	-117.215731582	33.9423600273	25	1491962
2289958E	CONCRETE	1983	KITCHING W/S 60 N/O ELDER	10792037	22000L	-117.217710785	33.9402681385	30	1491960
2289972E	CONCRETE	1983	SUNNYMEAD 200 E/O KITCHING ST	10792037	22000L	-117.216991452	33.9388714555	30	1491960
2289973E	CONCRETE	1983	KITCHING ST 40 S/O SUNNYMEAD	10792037	22000L	-117.217626550	33.9388416269	30	1491960
2309981E	CONCRETE	1985	S/E COR/O ELDER AVENUE AND KITCHING STREET	10792037	22000L	-117.217668691	33.9400420002	29	1491960
2309982E	CONCRETE	1985	ELDER AVENUE S/S, 240' E/O KITCHING STREET	10792037	22000L	-117.216931261	33.9400618138	29	1491960
2309986E	CONCRETE	1985	ELDER AVE, N/S, 145' E/O KASOTA CT	10792037	22000L	-117.216309167	33.9401097400	29	1491960
2309987E	CONCRETE	1985	ELDER AVE, S/S, COR/O TUSCOLA ST	10792037	22000L	-117.215819993	33.9399615421	29	1491960
2309992E	CONCRETE	1985	ELDER AVE, S/S, COR/O SHASTA PLACE	10792037	22000L	-117.214933394	33.9399325315	29	1491960
2309993E	CONCRETE	1985	ELDER AVE, N/S, 150' E/O SHASTA PL	10792037	22000L	-117.214420917	33.9400363368	29	1491960
2309994E	CONCRETE	1985	ELDER AVE, S/S, COR/O YUMA CT	10792037	22000L	-117.213909080	33.9399810954	29	1491960
4453498E	CONCRETE	2002	SUNNYMEAD BLVD. S/S, 170' W/O C/L KITCHING	10792037	22000L	-117.218289704	33.9389169588	32	1491960
4463496E	CONCRETE	2002	SUNNYMEAD BLVD. S/S, 570' W/O C/L KITCHING	10792037	22000L	-117.219631048	33.9389330221	32	1491960
4463497E	CONCRETE	2002	SUNNYMEAD BLVD. S/S, 370' W/O C/L KITCHING	10792037	22000L	-117.218959350	33.9389361530	32	1491960
4463499E	CONCRETE	2002	SUNNYMEAD S/S, 1326' E/O C/L PERRIS BLVD.	10792037	22000L	-117.221964885	33.9389340428	32	1491960
2297079E	CONCRETE	1985	BROADLEAF LN, W/S, 390' S/O SUNNYMEAD BLVD	10792040	9500L	-117.211764542	33.9378545660	25	1491962
2297080E	CONCRETE	1985	BROADLEAF LN, E/S, 190' S/O SUNNYMEAD BLVD	10792040	9500L	-117.211578902	33.9383590900	25	1491962
2309527E	CONCRETE	1984	LASSELLE ST, W/S, 185' S/O NINEBARK ST	10792040	9500L	-117.209003404	33.9379450476	25	1491962
2309528E	CONCRETE	1984	NONEBARK ST. N/W COR/O LASSELLE ST	10792040	9500L	-117.208965064	33.9385118547	25	1491962
2309529E	CONCRETE	1984	NINEBARK ST, N/S, COR/O HACKBERRY LN	10792040	9500L	-117.209759690	33.9384924298	25	1491962
2309530E	CONCRETE	1984	NINEBARKST, N/S, 220' W/O HACKBERRY	10792040	9500L	-117.210390092	33.9385015417	25	1491962
2309531E	CONCRETE	1984	NINEBARK ST, E/S, 230' W/O HACKBERRY LN	10792040	9500L	-117.210631615	33.9381238265	25	1491962
2309532E	CONCRETE	1984	NINEBARK ST, W/S, 275' W/O HACKBERRY	10792040	9500L	-117.210772387	33.9376894544	25	1491962
2309540E	CONCRETE	1984	HACKBERRY LN, W/S 245' S/O NINEBARK ST	10792040	9500L	-117.209877296	33.9377449802	25	1491962
2309541E	CONCRETE	1984	HACKBERRY LN, E/S, 100' S/O NINEBARK ST	10792040	9500L	-117.209727681	33.9381658906	25	1491962
2309548E	CONCRETE	1985	BLUNTLEAF CT, E/S 210' N/O BROADLEAF LN	10792040	9500L	-117.212729333	33.9378028479	25	1491962
2309549E	CONCRETE	1985	BLUNTLEAF CT, W/S, 425' N/O BROADLEAF	10792040	9500L	-117.212876411	33.9383161133	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2297081E	CONCRETE	1985	SUNNYMEAD BLVD, S/S COR/O BROADLEAF LN	10792040	9500L	-117.211464065	33.9388962140	25	1491962
2297082E	CONCRETE	1985	SUNNYMEAD BLVD S/S 175' W/O BROADLEAF LN	10792040	9500L	-117.212151684	33.9389030144	25	1491962
2297083E	CONCRETE	1985	SUNNYMEAD BLVD, S/S 400' W/O BROADLEAF LN	10792040	9500L	-117.212877355	33.9389136984	25	1491962
2347655E	CONCRETE	1986	BALTIMORE AVE, S/S, COR/O ERICSON ST	10792040	9500L	-117.211969165	33.9426607562	25	1491962
2347656E	CONCRETE	1986	BALTIMORE AVE, E/S, 170' S/O ERICSON DR	10792040	9500L	-117.212350429	33.9423542751	25	1491962
2347657E	CONCRETE	1986	BALTIMORE AVE, E/S, COR/O STUYVESANT ST	10792040	9500L	-117.212766437	33.9419724715	25	1491962
2347658E	CONCRETE	1986	STUYVESANT ST, S/S, 120' W/O BALTIMORE AVE	10792040	9500L	-117.213160026	33.9420765214	25	1491962
2357915E	CONCRETE	1987	LASSELE ST E/S, 810' N/O ELDER AVE	10792040	9500L	-117.208318725	33.9426501124	25	1491962
2357916E	CONCRETE	1987	LASSELE ST W/S, 592' N/O ELDER AVE	10792040	9500L	-117.208103485	33.9420963302	25	1491962
2357917E	CONCRETE	1987	LASSELE ST E/S, 382' N/O ELDER AVE	10792040	9500L	-117.207952685	33.9415227284	25	1491962
2357918E	CONCRETE	1987	LASSELE ST E/S, 115' N/O ELDER AVE	10792040	9500L	-117.208131664	33.9407542428	25	1491962
2357938E	CONCRETE	1987	BALTIMORE AVE W/S, 460' N/O ELDER	10792040	9500L	-117.213111716	33.9416039000	25	1491962
2357939E	CONCRETE	1987	BALTIMORE AVE E/S, 270' N/O ELDER AVE	10792040	9500L	-117.212984148	33.9411909517	25	1491962
2357940E	CONCRETE	1987	BALTIMORE AVE E/S, 115' N/O ELDER AVE	10792040	9500L	-117.212856320	33.9406135390	25	1491962
2357942E	CONCRETE	1987	BALTIMORE AVE E/S, 140' S/O ELDER AVE	10792040	9500L	-117.212579086	33.9400006848	25	1491962
2357944E	CONCRETE	1987	GRENVILLE AVE W/S, 170' N/O ELDER AVE	10792040	9500L	-117.212150105	33.9410504580	25	1491962
2357945E	CONCRETE	1987	GRENVILLE AVE E/S, 340' N/O ELDER AVE	10792040	9500L	-117.211946913	33.9414979572	25	1491962
2357946E	CONCRETE	1987	GRENVILLE AVE W/S, 510' N/O ELDER AVE	10792040	9500L	-117.211605441	33.9419524731	25	1491962
2357949E	CONCRETE	1987	EYRE CT E/S, 120' N/O ELDER AVE	10792040	9500L	-117.211018577	33.9409704507	25	1491962
2357950E	CONCRETE	1987	EYRE CT W/S, 294' N/O ELDER AVE	10792040	9500L	-117.211058598	33.9413781968	25	1491962
4004845E	CONCRETE	1987	CHAMPLAIN ST W/S, 600' N/O ELDER AVE	10792040	9500L	-117.210264733	33.9422415336	25	1491962
4004846E	CONCRETE	1987	BRIDGER ST S/S, 95' E/O CHAMPLAIN ST	10792040	9500L	-117.209892796	33.9424520715	25	1491962
4004847E	CONCRETE	1987	CHAMPLAIN AVE W/S, 400' N/O ELDER AVE	10792040	9500L	-117.209960399	33.9417517564	25	1491962
4004849E	CONCRETE	1987	CHAMPLAIN ST E/S, 100' N/O ELDER AVE	10792040	9500L	-117.209931128	33.9409182653	25	1491962
4005557E	CONCRETE	1987	E/S MARQUETTE, 110' N/O ELDER	10792040	9500L	-117.208980743	33.9409158212	25	1491962
4005558E	CONCRETE	1987	W/S MARQUETTE, 300' N/O ELDER	10792040	9500L	-117.209051330	33.9414046878	25	1491962
4005559E	CONCRETE	1987	E/S MARQUETTE, 50' FROM N/END OF STREET	10792040	9500L	-117.208955406	33.9421357815	25	1491962
4039602E	CONCRETE	1988	BREWSTER DR. W/S, 110' N/O ELDER AV.	10792040	9500L	-117.207367509	33.9404808064	25	1491962
4039603E	CONCRETE	1988	BREWSTER DR E/S, 900' S/O CORONADA DR.	10792040	9500L	-117.207089060	33.9408288342	25	1491962
4039604E	CONCRETE	1988	BREWSTER DR. E/S, 500' S/O CORONADA DR.	10792040	9500L	-117.206978379	33.9419262512	25	1491962
4039605E	CONCRETE	1988	BREWSTER DR. W/S, 390' S/O CORONADA DR.	10792040	9500L	-117.207191288	33.9423906462	25	1491962
4053525E	CONCRETE	1957	E/S BREWSTER DR N/O ELDER AVE	10792040	9500L	-117.207079377	33.9414374568	30	1491962
4112387E	CONCRETE	1989	N/S STUYVESANT, 730' E/O TUSCOLA	10792040	9500L	-117.213445170	33.9422833946	25	1491962
4230643E	CONCRETE	1992	N/S ELDER AVE., 100' W/O WOODBRIAR DR.	10792040	9500L	-117.206193820	33.9401385647	25	1491962
4114074E	CONCRETE	1992	ELDER AVE. N/S, 255' W/O C/L VIA DE PALMAS	10792040	9500L	-117.203834760	33.9403416759	25	1491962
4212086E	CONCRETE	1992	S/S LEAFWOOD DR., 250' W/O VIA DE PALMAS	10792040	9500L	-117.204171171	33.9414228600	25	1491962
4212090E	CONCRETE	1992	N/S PARTON CT., 210' W/O VIA DE PALMAS	10792040	9500L	-117.204329908	33.9426206443	25	1491962
4212091E	CONCRETE	1992	WEST END OF PARTON CT.	10792040	9500L	-117.204699352	33.9427647594	25	1491962
4230640E	CONCRETE	1992	S/S ELDER AVE., 340' E/O WOODBRIAR DR.	10792040	9500L	-117.204790680	33.9402707836	25	1491962
4230641E	CONCRETE	1992	S/S ELDER AVE., 110' E/O WOODBRIAR DR.	10792040	9500L	-117.205569866	33.9401930917	25	1491962
4230642E	CONCRETE	1992	W/S WOODBRIAR DR., 50' N/O ELDER AVE.	10792040	9500L	-117.206001331	33.9402799779	25	1491962
4230645E	CONCRETE	1992	E/S WOODBRIAR DR., 320' N/O ELDER AVE.	10792040	9500L	-117.206080674	33.9409142230	25	1491962
4230646E	CONCRETE	1992	W/S WOODBRIAR DR., 80' N/O LEAFWOOD DR.	10792040	9500L	-117.206077096	33.9417016782	25	1491962
4230648E	CONCRETE	1992	N/S LEAFWOOD DR., 50' W/O VALERIE CT.	10792040	9500L	-117.205113793	33.9415276741	25	1491962
4230649E	CONCRETE	1992	NORTH END VALERIE CT.	10792040	9500L	-117.204988543	33.9419186438	25	1491962
2357919E	CONCRETE	1987	ELDER AVE N/S, 135' E/O LASSELLE ST	10792040	22000L	-117.207939106	33.9404213389	29	1491960
2357920E	CONCRETE	1987	ELDER AVE S/S, COR/O LASSELLE ST	10792040	22000L	-117.208321236	33.9404674507	29	1491960
2357927E	CONCRETE	1987	ELDER AVE N/S, 155' E/O EYRE CT	10792040	22000L	-117.210661351	33.9406835154	29	1491960
2357941E	CONCRETE	1987	ELDER AVE N/S, 45' W/O BALTIMORE AVE	10792040	22000L	-117.212934029	33.9402950963	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2357943E	CONCRETE	1987	ELDER AVE N/S, 130' W/O GRENVILLE AVE	10792040	22000L	-117.212300618	33.9405291436	29	1491960
2357947E	CONCRETE	1987	ELDER AVE S/S, 2' W/O EYRE CT	10792040	22000L	-117.211101750	33.9406008995	29	1491960
2357948E	CONCRETE	1987	ELDER AVE S/S, 240' W/O EYRE CT	10792040	22000L	-117.211752666	33.9405781992	29	1491960
4003299E	CONCRETE	1988	ELDER AV. S/S, 360' E/O BREWSTER	10792040	22000L	-117.206414661	33.9400192961	29	1491960
4004850E	CONCRETE	1987	ELDER AVE N/S, 150' E/O CHAMPLAIN ST	10792040	22000L	-117.209613341	33.9406952665	29	1491960
4005104E	CONCRETE	1987	ELDER AVE S/S, 5' E/O CHAMPLAIN ST	10792040	22000L	-117.210017201	33.9405868949	29	1491960
4005556E	CONCRETE	1987	S/S ELDER, INTR SCTN MARQUETTE	10792040	22000L	-117.209073332	33.9405855637	29	1491960
4039949E	CONCRETE	1988	ELDER AVE. S/S, 80' N/O BREWSTER DR.	10792040	22000L	-117.207424382	33.9401191410	29	1491960
4039950E	CONCRETE	1988	ELDER AVE. N/S, 140' W/O BREWSTER DR.	10792040	22000L	-117.207798730	33.9403694547	29	1491960
4392990E	CONCRETE	2002	WOODBRIAR DR E/S, 155' S/O DUNBAR CT	10792040	9500L	-117.205939993	33.9421359318	27	1491962
4392991E	CONCRETE	2002	DUNBAR CT S/S, 135' E/O WOODBRIAR DR	10792040	9500L	-117.205689376	33.9424297435	27	1491962
4392992E	CONCRETE	2002	WOODBRIAR DR W/S, 80' N/O DUNBAR CT	10792040	9500L	-117.206141247	33.9425881408	27	1491962
4549969E	CONCRETE	2004	PRIMROSE WY N/S, 13' E/O TWIN BERRY DR	10792040	9500L	-117.206294463	33.9386601156	27	1491962
4549970E	CONCRETE	2004	PRIMROSE WY S/S, 209' E/O TWIN BERRY DR	10792040	9500L	-117.205688014	33.9385709535	27	1491962
4549971E	CONCRETE	2004	PRIMROSE WY N/S, 394' E/O TWIN BERRY DR	10792040	9500L	-117.205012871	33.9386714627	27	1491962
4549972E	CONCRETE	2004	TWIN BERRY DR W/S, 121' S/O PRIMROSE WY	10792040	9500L	-117.206383303	33.9382690071	27	1491962
4549973E	CONCRETE	2004	TWIN BERRY DR E/S, 269' S/O PRIMROSE WY	10792040	9500L	-117.206251449	33.9378845596	27	1491962
4549974E	CONCRETE	2004	TWIN BERRY DR E/S, 414' S/O PRIMROSE WY	10792040	9500L	-117.206261556	33.9374798703	27	1491962
4549984E	CONCRETE	2004	CANDLEWOOD LN W/S, 8' S/O CHESTNUT DR	10792040	9500L	-117.205440901	33.9378190698	27	1491962
4571101E	CONCRETE	2004	PRIMROSE WY S/S, 477' W/O BARBAZON DR	10792040	9500L	-117.204461671	33.9385836251	27	1491962
4571102E	CONCRETE	2004	PRIMROSE WY N/S, 312' W/O BARBAZON DR	10792040	9500L	-117.203853169	33.9386492378	27	1491962
4571105E	CONCRETE	2004	CHESTNUT DR N/S, 11' E/O DOGWOOD WY	10792040	9500L	-117.203766518	33.9378053505	27	1491962
4571106E	CONCRETE	2004	CHESTNUT DR S/S, 130' E/O BELLFLOWER LN	10792040	9500L	-117.204214598	33.9377306435	27	1491962
4571107E	CONCRETE	2004	CHESTNUT DR N/S, 16' W/O BELLFLOWER LN	10792040	9500L	-117.204652555	33.9378257637	27	1491962
4515509E	CONCRETE	2003	ATHERTON DR E/S, 115' N/O ALDER LN	10792040	9500L	-117.207066620	33.9373698795	27	1491962
4515510E	CONCRETE	2003	ATHERTON DR W/S, 265' S/O PRIMROSE WY	10792040	9500L	-117.207223400	33.9378969648	27	1491962
4515511E	CONCRETE	2003	ATHERTON DR E/S, 105' S/O PRIMROSE WY	10792040	9500L	-117.207087285	33.9382969144	27	1491962
4515512E	CONCRETE	2003	ATHERTON DR W/S, 2' S/O PRIMROSE WY	10792040	9500L	-117.207220326	33.9385984939	27	1491962
4515513E	CONCRETE	2003	PRIMROSE WY N/S, 128' E/O ATHERTON DR	10792040	9500L	-117.206800375	33.9386809121	27	1491962
4515520E	CONCRETE	2003	MULBERRY LN W/S, 177' N/O ALDER LN	10792040	9500L	-117.208147831	33.9374971509	27	1491962
4515521E	CONCRETE	2003	MULBERRY LN E/S, 188' S/O NINEBARK ST	10792040	9500L	-117.208024768	33.9379352495	27	1491962
4515522E	CONCRETE	2003	NINEBARK ST N/S, 18' W/O MULBERRY LN	10792040	9500L	-117.208150313	33.9385107142	27	1491962
4515523E	CONCRETE	2003	NINEBARK ST S/S, 129' E/O LASELLE ST	10792040	9500L	-117.208527266	33.9384075461	27	1491962
4515524E	CONCRETE	2003	LASELLE ST E/S, 44' S/O NINEBARK ST	10792040	9500L	-117.208880680	33.9383402894	27	1491962
4515525E	CONCRETE	2003	LASELLE ST E/S, 392' S/O NINEBARK ST	10792040	9500L	-117.208861311	33.9373827882	27	1491962
4004848E	CONCRETE	1987	CHAMPLAIN ST E/S, 260' N/O ELDER AVE	10792040	9500L	-117.209870104	33.9413299305	25	1491962
4163196E	CONCRETE	1992	ELDER AVE. S/S, 355' E/O C/L VIA DE PALMAS	10792043	9500L	-117.201811794	33.9400923736	25	1491962
4163197E	CONCRETE	1992	ELDER AVE. N/S, 615' E/O C/L VIA DE PALMAS	10792043	9500L	-117.201033220	33.9398449118	25	1491962
4163198E	CONCRETE	1992	ELDER AVE. S/S, 85' W/O C/L MORRISON	10792043	9500L	-117.200571817	33.9396553008	25	1491962
4163200E	CONCRETE	1992	VIA DE PALMAS E/S, 120' N/O C/L ELDER AVE.	10792043	9500L	-117.202941563	33.9406189916	25	1491962
4165950E	CONCRETE	1992	ELDER AVE. S/S @ C/L EXTN'D VIA DE PALMAS	10792043	9500L	-117.202975852	33.9402824223	25	1491962
4212087E	CONCRETE	1992	W/S VIA DE PALMAS, 130' S/O LEAFWOOD DR.	10792043	9500L	-117.203371632	33.9412518469	25	1491962
4212088E	CONCRETE	1992	E/S VIA DE PALMAS, 60' N/O LEAFWOOD DR.	10792043	9500L	-117.203415115	33.9417173348	25	1491962
4212089E	CONCRETE	1992	W/S VIA DE PALMAS, 50' S/O PARTON CT.	10792043	9500L	-117.203554029	33.9422877523	25	1491962
4212092E	CONCRETE	1992	E/S VIA DE PALMAS, 180' N/O PARTON CT.	10792043	9500L	-117.203420628	33.9427605365	25	1491962
4478316E	CONCRETE	2002	MORRISON ST W/S, 298' S/O HEMLOCK AVE	10792043	9500L	-117.200307260	33.9420051927	27	1491962
4478317E	CONCRETE	2002	MORRISON ST W/S, 176' N/O HELENE DR	10792043	9500L	-117.200293596	33.9409958613	27	1491962
4478318E	CONCRETE	2002	HELENE DR S/S, 50' W/O MORRISON ST	10792043	9500L	-117.200341308	33.9404731146	27	1491962
4478319E	CONCRETE	2002	HELENE DR NE/S, 247' W/O MORRISON ST	10792043	9500L	-117.200975552	33.9407788226	27	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4478320E	CONCRETE	2002	HELENE DR S/S, 80' SE/O SANDRIA ST	10792043	9500L	-117.201751775	33.9408968930	27	1491962
4478321E	CONCRETE	2002	HELENE DR NE/S, 50' W/O SANDRIA ST	10792043	9500L	-117.202052135	33.9411399338	27	1491962
4478322E	CONCRETE	2002	HELENE DR W/S, 260' NW/O SANDRIA ST	10792043	9500L	-117.202655864	33.9414990668	27	1491962
4478323E	CONCRETE	2002	SANDRIA ST SE/S, 178' NE/O HELENE DR	10792043	9500L	-117.201579623	33.9413917289	27	1491962
4478324E	CONCRETE	2002	SANDRIA ST W/S, 308' NE/O HELENE DR	10792043	9500L	-117.201661234	33.9418185072	27	1491962
4571120E	CONCRETE	2004	BARBAZON DR E/S, 54' S/O CHESTNUT DR	10792043	9500L	-117.202798334	33.9376165465	27	1491962
4571121E	CONCRETE	2004	BARBAZON DR W/S, 123' S/O PRIMROSE WY	10792043	9500L	-117.202916889	33.9381239979	27	1491962
4571122E	CONCRETE	2004	PRIMROSE WY N/S, 13' E/O BARBAZON DR	10792043	9500L	-117.202805905	33.9384766803	27	1491962
4478495E	CONCRETE	2003	NEWHOPE CIR, ON CUL DE SAC	10792043	9500L	-117.202913393	33.9422847567	27	1491962
4478496E	CONCRETE	2003	NEWHOPE CIR N/S, 179' W/O SANDRIA AVE	10792043	9500L	-117.202199775	33.9423560996	27	1491962
4478497E	CONCRETE	2003	NEWHOPE CIR S/S, 46' W/O SANDRIA AVE	10792043	9500L	-117.201782703	33.9422529083	27	1491962
4478498E	CONCRETE	2003	SANDRIA AVE E/S, 49' N/O NEWHOPE CIR	10792043	9500L	-117.201551300	33.9424206386	27	1491962
4478499E	CONCRETE	2003	SANDRIA AVE W/S, 45' S/O SHERWOOD CIR	10792043	9500L	-117.201709033	33.9428397525	27	1491962
4571103E	CONCRETE	2004	PRIMROSE WY S/S, 108' W/O BARBAZON DR	10792043	9500L	-117.203159459	33.9384693255	27	1491962
4571104E	CONCRETE	2004	CHESTNUT DR S/S, 130' W/O BARBAZON DR	10792043	9500L	-117.203293586	33.9376957947	27	1491962
4589526E	CONCRETE	2005	BUTTERNUT LN N/S, 182' E/O ELMHURST DR	10792043	9500L	-117.201327216	33.9377723897	27	1491960
4589527E	CONCRETE	2005	BUTTERNUT LN S/S, 186' W/O MORRISON ST	10792043	9500L	-117.200759324	33.9376713426	27	1491960
4589528E	CONCRETE	2005	BUTTERNUT LN N/S, 47' W/O MORRISON ST	10792043	9500L	-117.200369160	33.9377727767	27	1491960
4589530E	CONCRETE	2005	ELMHURST DR W/S, 21' N/O BUTTERNUT LN	10792043	9500L	-117.202012347	33.9377644218	27	1491960
4589531E	CONCRETE	2005	ELMHURST DR E/S, 130' S/O PRIMROSE WY	10792043	9500L	-117.201910389	33.9380461614	27	1491960
4589532E	CONCRETE	2005	PRIMROSE WY N/S, 3' W/O ELMHURST DR	10792043	9500L	-117.201963539	33.9384990928	27	1491960
4589533E	CONCRETE	2005	PRIMROSE WY S/S, 182' E/O ELMHURST DR	10792043	9500L	-117.201350495	33.9383910877	27	1491960
4589534E	CONCRETE	2005	PRIMROSE WY N/S, 145' W/O MORRISON ST	10792043	9500L	-117.200693257	33.9384786409	27	1491960
4589535E	CONCRETE	2005	PRIMROSE WY N/S, C/L/O MORRISON ST	10792043	9500L	-117.200301427	33.9384879506	27	1491960
4525090E	CONCRETE	2007	N/W C/O MORRISON & ELDER AVE.	10792043	9500L	-117.200320582	33.9396986001	27	1491962
4163195E	CONCRETE	1992	ELDER AVE. N/S, 150' E/O C/L VIA DE PALMAS	10792043	9500L	-117.202466864	33.9403231526	25	1491962
4112917E	CONCRETE	1990	E/S NASON S/O ARCHIE AVE, S/O 4112916E	10792046	9500L	-117.191446172	33.9428150931	25	1491962
4112918E	CONCRETE	1990	E/S NASON S/O ARCHIE AVE. S/O #4112917E	10792046	9500L	-117.191434099	33.9423095616	25	1491962
4112919E	CONCRETE	1990	E/S NASON S/O ARCHIE AVE. S/O #4112918E	10792046	9500L	-117.191415972	33.9418535319	25	1491962
4112920E	CONCRETE	1990	E/S NASON S/O ARCHIE AVE. S/O #4112919E	10792046	9500L	-117.191420262	33.9413368768	25	1491962
4112921E	CONCRETE	1990	E/S NASON S/O ARCHIE AVE. S/O #4112920E	10792046	9500L	-117.191426851	33.9410317943	25	1491962
4112922E	CONCRETE	1990	N/S DARLENE, 50' E/O MARY LEE	10792046	9500L	-117.185724514	33.9427123841	25	1491962
4709191E	CONCRETE	2014	NASON ST W/S, 925' N/O C/L FIR AVE	10792046	22000L	-117.191580320	33.9379966970	32	1491960
4709179E	CONCRETE	2014	NASON ST W/S, 1660' N/O C/L FIR AVE	10792046	22000L	-117.191586125	33.9399843010	32	1491960
4709178E	CONCRETE	2014	NASON ST W/S, 1790' N/O C/L FIR AVE	10792046	22000L	-117.191563282	33.9403822630	32	1491960
4709176E	CONCRETE	2014	NASON ST E/S, 1790' N/O C/L FIR AVE	10792046	22000L	-117.191415727	33.9403689472	32	1491960
4709177E	CONCRETE	2014	NASON ST E/S, 1660' N/O C/L FIR AVE	10792046	22000L	-117.191412207	33.9399935751	32	1491960
4709200E	CONCRETE	2014	NASON ST E/S, 925' N/O C/L FIR AVE	10792046	22000L	-117.191393310	33.9379890369	32	1491960
4112924E	CONCRETE	1990	W/S OLIVER, 50' N/O CAROL	10792049	9500L	-117.182915000	33.9429196083	25	1491962
2358053E	CONCRETE	1987	PETTIT ST E/S, 45' N/O HEMLOCK AVE	10792052	9500L	-117.173843402	33.9429566207	25	1491962
2358055E	CONCRETE	1987	HINSON ST W/S, 135' N/O HEMLOCK AVE	10792052	9500L	-117.172637160	33.9432374759	25	1491962
2358057E	CONCRETE	1987	HEMLOCK AVE N/S, 250' W/O FENIMORE DR	10792052	9500L	-117.171250359	33.9428732644	25	1491962
4002801E	CONCRETE	1987	E/END OF WHITE SAND TRAIL	10792052	9500L	-117.172605588	33.9416056874	25	1491962
4002802E	CONCRETE	1987	S/S WHITE SAND TRAIL, 240' E/O PETTIT	10792052	9500L	-117.173343803	33.9415293426	25	1491962
4002803E	CONCRETE	1987	E/S PETTIT, 45' N/O WHITE SAND TRAIL	10792052	9500L	-117.173873261	33.9417225254	25	1491962
4002804E	CONCRETE	1987	S/S HEMLOCK, 50' E/O PETTIT	10792052	9500L	-117.173752221	33.9427579828	25	1491962
4002805E	CONCRETE	1987	S/S HEMLOCK, 440' E/O PETTIT	10792052	9500L	-117.172434555	33.9427735310	25	1491962
4002806E	CONCRETE	1987	S/E COR/O HEMLOCK AVENUE AND DEEP VALLEY	10792052	9500L	-117.171212418	33.9427495605	25	1491962
4002807E	CONCRETE	1987	HEMLOCK AVENUE S/S, 450' E/O DEEP VALLEY TR	10792052	9500L	-117.169792069	33.9427731559	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4002808E	CONCRETE	1987	S/W COR/O HEMLOCK AVENUE AND PRAIRIE WIN	10792052	9500L	-117.168299337	33.9427256624	25	1491962
4002809E	CONCRETE	1987	DEEP VALLEY TRAIL W/S, 260' S/O HEMLOCK AVE	10792052	9500L	-117.171351767	33.9422498065	25	1491962
4002810E	CONCRETE	1987	DEEP VALLEY TRAIL E/S, 510' S/O HEMLOCK AVEN	10792052	9500L	-117.171209191	33.9416753243	25	1491962
4002811E	CONCRETE	1987	DEEP VALLEY TRAIL W/S, 200' N/O MESA TOP TRA	10792052	9500L	-117.171309315	33.9407991588	25	1491962
4002812E	CONCRETE	1987	DEEP VALLEY TRAIL E/S, 40' N/O MESA TOP TRAIL	10792052	9500L	-117.171189739	33.9403864941	25	1491962
4002813E	CONCRETE	1987	PRAIRIE WIND TRAIL E/S, 140' S/O HEMLOCK AVE	10792052	9500L	-117.168177750	33.9423926234	25	1491962
4002814E	CONCRETE	1987	PRAIRIE WIND TRAIL W/S, 415' S/O HEMLOCK AV	10792052	9500L	-117.168294725	33.9418254703	25	1491962
4002815E	CONCRETE	1987	PRAIRIE WIND TRAIL E/S, 610' S/O HEMLOCK AVE	10792052	9500L	-117.168180217	33.9411155678	25	1491962
4002816E	CONCRETE	1987	N/W CO/O PRAIRIE WIND TRAIL AND MESA TOP T	10792052	9500L	-117.168322554	33.9402779424	25	1491962
4002817E	CONCRETE	1987	MESA TOP TRAIL S/S, 245' E/O CLOUDBURST TRAI	10792052	9500L	-117.168954060	33.9402760097	25	1491962
4002818E	CONCRETE	1987	MESA TOP TRAIL N/S, 45' E/O CL/O CLOUDBURST	10792052	9500L	-117.169588086	33.9402695718	25	1491962
4002819E	CONCRETE	1987	CLOUDBURST TRAIL E/S, 530' N/O MESA TOP TRA	10792052	9500L	-117.169714739	33.9415460052	25	1491962
4002820E	CONCRETE	1987	CLOUDBURST TRAIL W/S, 230' N/O MESA TOP TR	10792052	9500L	-117.169801888	33.9409864198	25	1491962
4002821E	CONCRETE	1987	MESA TOP TRAIL S/S, 65' W/O CLOUDBURST TRAI	10792052	9500L	-117.169930937	33.9402001926	25	1491962
4698775E	WOOD	2011	REDLANDS BL W/S, 440' S/O C/L HEMLOCK AV	10792055	22000L	-117.156767977	33.9416614323	35	1491960
4515978E	CONCRETE	2004	BOX SPRINGS RD N/S, 305' E/O MORTON RD	10812013	22000L	-117.295478823	33.9465605067	32	1491960
4515979E	CONCRETE	2004	BOX SPRINGS RD N/S, 552' E/O MORTON RD	10812013	22000L	-117.294668236	33.9465657801	32	1491960
4112114E	CONCRETE	1989	BOX SPRINGS ROAD N/S, 400' E/O CLARK STREET	10812016	9500L	-117.286507493	33.9466516797	25	1491962
4112115E	CONCRETE	1989	N/S BOX SPRINGS RD., 675' E/O CLARK	10812016	9500L	-117.285892295	33.9466514276	25	1491962
4112116E	CONCRETE	1989	N/S BOX SPRINGS RD., 793' E/O CLARK	10812016	9500L	-117.285088238	33.9466564058	25	1491962
4057989E	CONCRETE	1988	BOX SPRINGS RD N/S, 440' W/O DOUGLASIS AVE	10812016	22000L	-117.291787337	33.9465656507	29	1491960
4057990E	CONCRETE	1988	BOX SPRINGS RD N/S, 50' W/O DOUGLASIS CT	10812016	22000L	-117.290554755	33.9465556147	29	1491960
4057991E	CONCRETE	1988	BOX SPRINGS ROAD N/S, 390' W/O CLARK STREET	10812016	22000L	-117.289087282	33.9465873663	29	1491960
4357874E	CONCRETE	1999	BOX SPRINGS S/S 150' W/O DOUGLAS	10812016	22000L	-117.290898475	33.9464646428	32	1491960
4357875E	CONCRETE	1999	BOX SPRINGS S/S 028' E/O DOUGLAS	10812016	22000L	-117.290380656	33.9464791055	32	1491960
4357876E	CONCRETE	1999	BOX SPRINGS S/S 228' E/O DOUGLAS	10812016	22000L	-117.289565471	33.9464798311	32	1491960
4465603E	CONCRETE	2002	BOX SPRINGS N/S 375' E/O C/L VISTA SPRING VILL	10812016	22000L	-117.284455765	33.9466716128	32	1491960
4435653E	CONCRETE	2004	BOX SPRINGS S/S 350' W/O DOUGLAS	10812016	22000L	-117.291361658	33.9464681040	32	1491960
4063545E	CONCRETE	1988	N/S IRONWOOD, 420' E/O DAY	10812019	9500L	-117.277548016	33.9466802080	25	1491962
4064161E	CONCRETE	1989	W/S ATHENS, 60' N/O IRONWOOD	10812019	9500L	-117.276494521	33.9467609922	25	1491962
4064178E	CONCRETE	1989	N/S IRONWOOD, 450' W/O BARCLAY	10812019	9500L	-117.274924268	33.9466614818	25	1491962
2290002E	CONCRETE	1984	BOX SPRINGS RD N/S 120 W/O DAY ST	10812019	22000L	-117.279457842	33.9466664403	30	1491960
2290003E	CONCRETE	1984	BOX SPRINGS RD N/S 120 W/O DAY ST	10812019	22000L	-117.280844813	33.9466483076	30	1491960
2290004E	CONCRETE	1984	BOX SPRINGS RD NE/COR PINECONE LN	10812019	22000L	-117.282152124	33.9466693539	30	1491960
2290005E	CONCRETE	1984	BOX SPRINGS RD N/S 300 W/O PINECONE LN	10812019	22000L	-117.283245966	33.9466702202	30	1491960
4003591E	CONCRETE	1989	BOX SPRINGS RD S/S, 1064' W/O DAY ST	10812019	22000L	-117.282499271	33.9466003830	29	1491960
4004626E	CONCRETE	1989	BOX SPRINGS RD S/S, 1272' W/O DAY ST	10812019	22000L	-117.282979189	33.9465699910	29	1491960
4004627E	CONCRETE	1989	BOX SPRINGS RD S/S, 84' W/O DAY ST	10812019	22000L	-117.279318398	33.9465698996	29	1491960
4004628E	CONCRETE	1989	BOX SPRINGS RD S/S, 274' W/O DAY ST	10812019	22000L	-117.279912842	33.9465665681	29	1491960
4004629E	CONCRETE	1989	BOX SPRINGS RD S/S, 448' W/O DAY ST	10812019	22000L	-117.280426669	33.9465818326	29	1491960
4004630E	CONCRETE	1989	BOX SPRINGS RD S/S, 644' W/O DAY ST	10812019	22000L	-117.281101344	33.9465612605	29	1491960
4004631E	CONCRETE	1989	BOX SPRINGS RD S/S, 863' W/O DAY ST	10812019	22000L	-117.281815316	33.9465804692	29	1491960
4004632E	CONCRETE	1989	DAY ST W/S, 240' S/O BOX SPRINGS RD	10812019	22000L	-117.279056247	33.9460429874	29	1491960
4004633E	CONCRETE	1989	DAY ST W/S, 461' S/O BOX SPRINGS RD	10812019	22000L	-117.279020214	33.9454958451	29	1491960
4465615E	CONCRETE	2002	IRONWOOD N/S, 66' E/O C/L ATHENS	10812019	22000L	-117.276243999	33.9466821699	32	1491960
4465616E	CONCRETE	2002	IRONWOOD N/S, 275' E/O C/L ATHENS	10812019	22000L	-117.275618021	33.9466657594	32	1491960
4465617E	CONCRETE	2002	IRONWOOD N/S, 240' W/O C/L BARCLAY	10812019	22000L	-117.274228437	33.9466697650	32	1491960
4465620E	CONCRETE	2002	IRONWOOD N/S, 150' W/O ATHENS	10812019	22000L	-117.276943010	33.9466781733	32	1491960
4709860E	CONCRETE	2013	IRONWOOD AV S/S, 228' W/O C/L BARCLAY DR	10812019	22000L	-117.274188243	33.9465662247	32	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4709861E	CONCRETE	2013	IRONWOOD AV S/S, 419' W/O C/L BARCLAY DR	10812019	22000L	-117.274810116	33.9465719640	32	1491960
4709862E	CONCRETE	2013	IRONWOOD AV S/S, 640' W/O C/L BARCLAY DR	10812019	22000L	-117.275529551	33.9465754634	32	1491960
4709863E	CONCRETE	2013	IRONWOOD AV S/S, 150' W/O C/L ATHENS DR	10812019	22000L	-117.276942646	33.9465786746	32	1491960
4709865E	CONCRETE	2013	IRONWOOD AV S/S' 349' W/O C/L ATHENS DR	10812019	22000L	-117.277585287	33.9465921052	32	1491960
4709866E	CONCRETE	2013	IRONWOOD AVE S/S, 563' W/O C/L ATHENS DR	10812019	22000L	-117.278309400	33.9465784906	32	1491960
4709867E	CONCRETE	2013	IRONWOOD AVE N/S, 186' E/O C/L DAY ST	10812019	22000L	-117.278322468	33.9466802843	32	1491960
2309953E	CONCRETE	1984	RIPARIAN WY, W/S, 165 N/O ASHFORD CIRCLE	10812022	9500L	-117.267611847	33.9432079864	25	1491962
2309954E	CONCRETE	1984	RIPARIAN WAY, E/S, COR/O ASHFORD CIRCLE	10812022	9500L	-117.267198876	33.9429534733	25	1491962
2309955E	CONCRETE	1984	ASHFORD CIRCLE, 165 W/O RIPARIAN WAY	10812022	9500L	-117.268014122	33.9432102055	25	1491962
2309956E	CONCRETE	1984	RIPARIAN WAY, E/S, 45 N/O RADNOR LN	10812022	9500L	-117.267353025	33.9424342272	25	1491962
2309957E	CONCRETE	1984	RADNOR LN, S/S, 180 W/O RIPARIAN WAY	10812022	9500L	-117.268241001	33.9423543112	25	1491962
2309958E	CONCRETE	1984	RIPARIAN WAY, W/S, 130 S/O RADNOR LN	10812022	9500L	-117.267557300	33.9418651073	25	1491962
2309971E	CONCRETE	1984	RADNOR LN, N/S, 140 W/O TURTON LN	10812022	9500L	-117.266913460	33.9423646205	25	1491962
2309972E	CONCRETE	1984	TURTON LN, W/S, 150 N/O RADNOR LN	10812022	9500L	-117.266398612	33.9427270332	25	1491962
2352205E	CONCRETE	1985	KINROSS LN, N/S, 340' E/O HERITAGE DR	10812022	9500L	-117.268694455	33.9417083700	25	1491962
2352206E	CONCRETE	1985	KINROSS LN, S/S, 165' E/O HERITAGE DR	10812022	9500L	-117.269395308	33.9416664987	25	1491962
2352207E	CONCRETE	1985	KINROSS LN, S/S, COR/O HERITAGE DR	10812022	9500L	-117.269828026	33.9417450395	25	1491962
2352208E	CONCRETE	1985	HERITAGE DR, W/S, 110' N/O KINROSS LN	10812022	9500L	-117.269774383	33.9421211899	25	1491962
2352209E	CONCRETE	1985	HERITAGE DR, E/S, 235' N/O KINROSS LN	10812022	9500L	-117.269568430	33.9424224240	25	1491962
2352210E	CONCRETE	1985	HERITAGE DR, E/S, 260' S/O ATFORD CT	10812022	9500L	-117.269458495	33.9430585822	25	1491962
2352216E	CONCRETE	1985	RADNOR LN, S/S, 590' S/O ATFORD CT	10812022	9500L	-117.268613996	33.9424180252	25	1491962
2358123E	CONCRETE	1987	E/S BRIXTON, 300' N/O KINROSS	10812022	9500L	-117.272330976	33.9431076144	25	1491962
2358124E	CONCRETE	1987	W/S BRIXTON, 100' N/O KINROSS	10812022	9500L	-117.272540360	33.9425703694	25	1491962
2358125E	CONCRETE	1987	SE/COR KINROSS & BRIXTON	10812022	9500L	-117.272573626	33.9422190224	25	1491962
2358126E	CONCRETE	1987	N/W COR KINROSS AND ROMFORD	10812022	9500L	-117.271712591	33.9421568353	25	1491962
2358127E	CONCRETE	1987	E/S ROMFORD, 165' N/O KINROSS	10812022	9500L	-117.271468853	33.9425110770	25	1491962
2358128E	CONCRETE	1987	END OF ROMFORD	10812022	9500L	-117.271379444	33.9430238855	25	1491962
2358129E	CONCRETE	1987	S/S KINROSS, 120' W/O TIMLICO	10812022	9500L	-117.271171517	33.9419888331	25	1491962
2358130E	CONCRETE	1987	N/E COR KINROSS AND TIMLICO	10812022	9500L	-117.270663598	33.9419808142	25	1491962
2358131E	CONCRETE	1987	W/S TIMLICO, 165' N/O KINROSS	10812022	9500L	-117.270705060	33.9424173533	25	1491962
2358132E	CONCRETE	1987	E/S TIMLICO, 370' N/O KINROSS	10812022	9500L	-117.270495410	33.9428317949	25	1491962
2358133E	CONCRETE	1987	END OF TIMLICO	10812022	9500L	-117.270448788	33.9433009308	25	1491962
2286444E	CONCRETE	1984	HYTHE ST E/S 70' N/O KINROSS LN	10812022	9500L	-117.263984687	33.9418413139	25	1491962
2286445E	CONCRETE	1984	HYTHE ST E/S 205' N/O KINROSS LN	10812022	9500L	-117.263952028	33.9423125311	25	1491962
2286446E	CONCRETE	1984	HYTHE ST W/S 385' N/O KINROSS LN	10812022	9500L	-117.264081765	33.9426463262	25	1491962
2286447E	CONCRETE	1984	HYTHE ST E/S 555' N/O KINROSS LN	10812022	9500L	-117.263960707	33.9431828216	25	1491962
2309965E	CONCRETE	1984	FORMBY DR, W/S, 133 N/O KINROSS LN	10812022	9500L	-117.265149265	33.9419048715	25	1491962
2309966E	CONCRETE	1984	FORMBY DR, E/S, COR/O RADNOR LN	10812022	9500L	-117.264970071	33.9422919838	25	1491962
2309967E	CONCRETE	1984	FORMBY DR, W/S, 195 N/O RADNOR LN	10812022	9500L	-117.265184200	33.9428741499	25	1491962
2309968E	CONCRETE	1984	FORMBY DR, E/S, 430 N/O RADNOR LN	10812022	9500L	-117.265150524	33.9433516402	25	1491962
2309969E	CONCRETE	1984	RADNOR LN, S/S, 110 W/O FORMBY DR	10812022	9500L	-117.265447992	33.9422873968	25	1491962
2309970E	CONCRETE	1984	RADNOR LN, S/S, 40 E/O TURTON LN	10812022	9500L	-117.266324721	33.9422592641	25	1491962
2309973E	CONCRETE	1984	TURTON LN, W/S, 325 N/O RADNOR LN	10812022	9500L	-117.266207759	33.9431558335	25	1491962
2315494E	CONCRETE	1985	WHITE LILY CIR, N/S, 140' W/O YELLOW IRIS	10812022	9500L	-117.266461020	33.9471262167	25	1491962
2206855E	CONCRETE	1983	GLENDON 290 W/O SANDIA	10812022	9500L	-117.266504800	33.9452505119	30	1491962
2270415E	CONCRETE	1983	SCOTIA S/S 260 E/O RIPARIAN	10812022	9500L	-117.266797071	33.9459588067	30	1491962
2309127E	CONCRETE	1984	KEE AVE E/S X/O LASTER AVE	10812022	9500L	-117.270441925	33.9460567887	25	1491962
2309128E	CONCRETE	1984	LASTER AVE S/S 200 E/O KEE AVE	10812022	9500L	-117.269894839	33.9460278900	25	1491962
2309129E	CONCRETE	1984	LASTER AVE N/S 500 E/O KEE AVE	10812022	9500L	-117.269419589	33.9461261539	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2309130E	CONCRETE	1984	LASTER AVE N/S X/O LEAR DR	10812022	9500L	-117.268753949	33.9460850849	25	1491962
2309131E	CONCRETE	1984	LEAR DR E/S X/O LASTER AVE	10812022	9500L	-117.268495442	33.9456531584	25	1491962
2309132E	CONCRETE	1984	LEAR DRIVE E/S 440 S/O LASTER AVE	10812022	9500L	-117.268383115	33.9451817077	25	1491962
2309133E	CONCRETE	1984	LEAR DR W/S X/O SPIRIT COURT	10812022	9500L	-117.268530837	33.9449222979	25	1491962
2309134E	CONCRETE	1984	SPIRIT COURT S/S X/O LEAR DR	10812022	9500L	-117.268377855	33.9447590024	25	1491962
2309135E	CONCRETE	1984	LEAR DR S/S 350 E/O KEE AVE	10812022	9500L	-117.268882845	33.9445517484	25	1491962
2309136E	CONCRETE	1984	LEAR AVE S/S 100 E/O KEE AVE	10812022	9500L	-117.269449449	33.9443105050	25	1491962
2309137E	CONCRETE	1984	KEE AVE E/S 200 S/O LEAR DR	10812022	9500L	-117.269699688	33.9439250653	25	1491962
2309138E	CONCRETE	1984	LEAR ST S/S 100 W/O KEE AVE	10812022	9500L	-117.270403773	33.9440978189	25	1491962
2309139E	CONCRETE	1984	N/E C/O KEE AVE & LEAR AVE	10812022	9500L	-117.269834498	33.9443429087	25	1491962
2309140E	CONCRETE	1984	KEE AVE W/S X/O HOME COURT	10812022	9500L	-117.270202772	33.9450527194	25	1491962
2309141E	CONCRETE	1984	HOME COURT S/S 150 W/O KEE AVE	10812022	9500L	-117.269714202	33.9451227142	25	1491962
2309142E	CONCRETE	1984	HOME COURT N/S 300 E/O KEE AVE	10812022	9500L	-117.269350547	33.9453048336	25	1491962
2309143E	CONCRETE	1984	KEE AVE E/S 190 N/O HOME COURT	10812022	9500L	-117.270283157	33.9456985647	25	1491962
2309951E	CONCRETE	1984	RIPARIAN WAY, E/S, N/O KIRKBY CIRCLE	10812022	9500L	-117.266827989	33.9438976467	25	1491962
2309952E	CONCRETE	1984	KIRKBY CIRCLE, 155 W/O RIPARIAN WAY	10812022	9500L	-117.267412135	33.9439254880	25	1491962
2327681E	CONCRETE	1957	N/S CHAMBRAY DR EAST OF RIPARIAN WY	10812022	9500L	-117.266504924	33.9444462356	30	1491962
2327684E	CONCRETE	1957	E/S RIPARIAN WAY S/O SCOTIA LN	10812022	9500L	-117.267372783	33.9455798082	30	1491962
2327685E	CONCRETE	1957	W/S RIPARIAN WAY AT SCOTIA LN	10812022	9500L	-117.267707714	33.9460143321	30	1491962
2347648E	CONCRETE	1987	CLIMBING ROSE, S/E COR/O HERITAGE DR	10812022	9500L	-117.270294862	33.9470491713	25	1491962
2347649E	CONCRETE	1987	HERITAGE DR, N/E COR/O IRONWOOD AVE	10812022	9500L	-117.270271201	33.9466667247	25	1491962
2347668E	CONCRETE	1986	WEMBLEY DR, S/S, COR/O BARCLAY DR	10812022	9500L	-117.273183158	33.9457633174	25	1491962
2347669E	CONCRETE	1986	WEMBLEY DR, N/S, 265' E/O BARCLAY DR	10812022	9500L	-117.272504905	33.9460518604	25	1491962
2347670E	CONCRETE	1986	WEMBLEY DR, S/S, 170' W/O DRURY LN	10812022	9500L	-117.272015909	33.9460434289	25	1491962
2347671E	CONCRETE	1986	DRURY LN, E/S, 170' S/O WEMBLEY DR	10812022	9500L	-117.271249121	33.9455972002	25	1491962
2347672E	CONCRETE	1986	DRURY LN, W/S, 400' S/O WEMBLEY DR	10812022	9500L	-117.271175532	33.9449931993	25	1491962
2347673E	CONCRETE	1986	DRURY LN, E/S, 168' N/O SHEFFIELD DR	10812022	9500L	-117.270846051	33.9445302510	25	1491962
2347674E	CONCRETE	1986	SHEFFIELD DR, N/W COR/O DRURY LN	10812022	9500L	-117.270862164	33.9440946100	25	1491962
2347675E	CONCRETE	1986	SHEFFIELD DR, S/S, COR/O CAMBRIDGE CT	10812022	9500L	-117.271660073	33.9437832014	25	1491962
2347676E	CONCRETE	1986	CAMBRIDGE CT, E/S, 165' N/O SHEFFIELD DR	10812022	9500L	-117.271772635	33.9442329093	25	1491962
2347677E	CONCRETE	1986	CAMBRIDGE CT, W/S, 375' N/O SHEFFIELD DR	10812022	9500L	-117.272094051	33.9447069508	25	1491962
2347678E	CONCRETE	1986	SHEFFIELD DR, N/S, 145' W/O CAMBRIDGE CT	10812022	9500L	-117.272133740	33.9437364090	25	1491962
2347679E	CONCRETE	1986	CAMBRIDGE CT, 545' N/O SHEFFIELD DR	10812022	9500L	-117.272190783	33.9451196921	25	1491962
2347680E	CONCRETE	1986	DRURY LN, N/E COR/O WEMBLEY DR	10812022	9500L	-117.271290781	33.9461089972	25	1491962
2347681E	CONCRETE	1986	BARCLAY DR, W/S, 100' N/O WEMBLEY DR	10812022	9500L	-117.273422448	33.9461810115	25	1491962
2347801E	CONCRETE	1987	WHITE LILY CIR, S/S,	10812022	9500L	-117.266879048	33.9470667924	25	1491962
2352152E	CONCRETE	1986	RIPARIAN W/S S/O SCOTIA	10812022	9500L	-117.267287450	33.9450306211	25	1491962
2352211E	CONCRETE	1985	HERITAGE DR, W/S, COR/O ATFORD CT	10812022	9500L	-117.269705325	33.9435940953	25	1491962
2352212E	CONCRETE	1985	ATFORD CT, N/S, 165' E/O HERITAGE DR	10812022	9500L	-117.269209819	33.9437762226	25	1491962
2352213E	CONCRETE	1985	ATFORD CT, N/S, 355' E/O HERITAGE DR	10812022	9500L	-117.268553688	33.9438836669	25	1491962
2352214E	CONCRETE	1985	RADNOR LN, E/S, 140' S/O ATFORD CT	10812022	9500L	-117.268554270	33.9434423418	25	1491962
2358119E	CONCRETE	1987	END OF BRIXTON	10812022	9500L	-117.273108660	33.9450216585	25	1491962
2358120E	CONCRETE	1987	W/S BRIXTON, 1040' N/O KINROSS	10812022	9500L	-117.272996329	33.9445692249	25	1491962
2358121E	CONCRETE	1987	E/S BRIXTON, 680' N/O KINROSS	10812022	9500L	-117.272678370	33.9441050229	25	1491962
2358122E	CONCRETE	1987	W/S BRIXTON, 460' N/O KINROSS	10812022	9500L	-117.272624878	33.9435769771	25	1491962
4063201E	CONCRETE	1989	N/S IRONWOOD, 260' E/O BARCLAY	10812022	9500L	-117.272634352	33.9466514790	25	1491962
4063202E	CONCRETE	1989	N/S IRONWOOD, 640' E/O BARCLAY	10812022	9500L	-117.271306803	33.9466517356	25	1491962
2206853E	CONCRETE	1983	GLENDON S/S 290 E/O SANDIA	10812022	9500L	-117.264525965	33.9452088651	30	1491962
2206854E	CONCRETE	1983	SANDIA COR/O GLENDON	10812022	9500L	-117.265353913	33.9452486656	30	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2269778E	CONCRETE	1983	SCOTTIA LN. S/S 30' E/O MEDLEY DR.	10812022	9500L	-117.263737398	33.9459695143	25	1491962
2269785E	CONCRETE	1983	GLENDON DR. N/S 500' W/O COACHMAN LN.	10812022	9500L	-117.263719557	33.9453308177	25	1491962
2273091E	CONCRETE	1983	SCOTIA N/S 440 E/O SANDIA	10812022	9500L	-117.263940420	33.9460666907	30	1491962
2273092E	CONCRETE	1983	SCOTIA N/S 230 E/O SANDIA	10812022	9500L	-117.264575140	33.9460440369	30	1491962
2273093E	CONCRETE	1983	SCOTIA SE/COR OF SANDIA	10812022	9500L	-117.265315526	33.9459031947	30	1491962
2273094E	CONCRETE	1983	SCOTIA 225 W/O SANDIA	10812022	9500L	-117.266036401	33.9460268684	30	1491962
2286448E	CONCRETE	1984	HYTHE ST W/S 290' S/O CHAMBRAY DR	10812022	9500L	-117.264083511	33.9435947672	25	1491962
2286449E	CONCRETE	1984	HYTHE ST E/S 90' S/O CHAMBRAY DR	10812022	9500L	-117.263975480	33.9441701776	25	1491962
2286450E	CONCRETE	1984	CHAMBRAY S/S 90' E/O HYTHE	10812022	9500L	-117.263860172	33.9443687822	25	1491962
2286906E	CONCRETE	1984	CHAMBRAY S/S 200 W/O FORMBY	10812022	9500L	-117.265821370	33.9443272312	25	1491962
2309974E	CONCRETE	1984	TURTON LN, CUL-DE-SAC N/O RADNOR LN	10812022	9500L	-117.265865407	33.9435338684	25	1491962
2315481E	CONCRETE	1985	SWEETPEA CIR, N/S, 105' W/O MEDLEY DR	10812022	9500L	-117.264236363	33.9471516927	25	1491962
2315482E	CONCRETE	1985	SWEETPEA CIR, S/S, 235' W/O MEDLEY AVE	10812022	9500L	-117.264781771	33.9470493525	25	1491962
2315493E	CONCRETE	1985	YELLOW IRIS WY, E/S, COR/O WHITE LILY CIR	10812022	9500L	-117.265811260	33.9471225106	25	1491962
2327676E	CONCRETE	1957	N/S CHAMBRAY DR AT HYTHE ST	10812022	9500L	-117.264190902	33.9444696190	30	1491962
2327677E	CONCRETE	1957	E/S FORMBY DR S/O CHAMBRAY DR	10812022	9500L	-117.264967304	33.9443204229	30	1491962
2327678E	CONCRETE	1957	N/S CHAMBRAY DR AT FORMBY DR	10812022	9500L	-117.265279075	33.9444772763	30	1491962
2327679E	CONCRETE	1957	E/S HYTHE ST S/O CHAMBRAY DR	10812022	9500L	-117.263951349	33.9439365114	30	1491962
4201604E	CONCRETE	1990	S/W C/O MEDLEY & SWEET PEA, MORENO VALLEY	10812022	9500L	-117.263691290	33.9470566401	25	1491962
2269851E	CONCRETE	1983	IRONWOOD S/S 300 E/O RIPARIAN	10812022	22000L	-117.266751632	33.9465654497	30	1491960
2269852E	CONCRETE	1983	IRONWOOD COR/O RIPARIAN	10812022	22000L	-117.267588577	33.9465767176	30	1491960
2269853E	CONCRETE	1983	IRONWOOD S/S 150 W/O RIPARIAN	10812022	22000L	-117.268182137	33.9465887625	30	1491960
2309125E	CONCRETE	1984	IRONWOOD AVE 700 E/O KEE AVE	10812022	22000L	-117.268874353	33.9465492044	29	1491960
2309126E	CONCRETE	1984	IRONWOOD AVE S/S S/E C/O KEE AVE	10812022	22000L	-117.270279014	33.9465486796	29	1491960
2347650E	CONCRETE	1987	IRONWOOD AVE, N/S, 236' E/O HERITAGE DR	10812022	22000L	-117.269425089	33.9466451250	29	1491960
2347665E	CONCRETE	1986	IRONWOOD AVE, S/S, 695' E/O BARCLAY DR	10812022	22000L	-117.271153172	33.9465729464	29	1491960
2347666E	CONCRETE	1986	IRONWOOD AVE, S/S, 390' E/O BARCLAY DR	10812022	22000L	-117.272107723	33.9465568730	29	1491960
2269774E	CONCRETE	1983	IRONWOOD AVE. S/S 100' W/O MEDLEY DR.	10812022	22000L	-117.264018794	33.9465534705	29	1491960
2269848E	CONCRETE	1983	IRONWOOD S/S 920 E/O RIPARIAN	10812022	22000L	-117.264785146	33.9465584572	30	1491960
2269849E	CONCRETE	1983	IRONWOOD S/S 920 RIPARIAN	10812022	22000L	-117.265421664	33.9465542037	30	1491960
2269850E	CONCRETE	1983	IRONWOOD S/S 500 E/O RIPARIAN	10812022	22000L	-117.266052251	33.9465808869	30	1491960
2315478E	CONCRETE	1985	IRON WOOD AVE, 65' W/O YELLOW IRIS WY	10812022	22000L	-117.266238440	33.9466682836	29	1491960
2315479E	CONCRETE	1985	IRONWOOD AVE, N/S, 60' W/O MEDLEY	10812022	22000L	-117.263842404	33.9466526956	29	1491960
4465618E	CONCRETE	2002	IRONWOOD N/S, 225' W/O C/L RIPARIAN	10812022	22000L	-117.268691730	33.9466407180	32	1491960
4465619E	CONCRETE	2002	IRONWOOD N/S, 13' W/O C/L RIPARIAN	10812022	22000L	-117.267707878	33.9466638274	32	1491960
4500201E	CONCRETE	2002	RADNOR LN, E/S, 360' S/O ATFORD CT	10812022	9500L	-117.268552460	33.9428416763	25	1491962
4524465E	CONCRETE	2003	E/S RIPARIAN WY AT CHAMBRAY DR	10812022	9500L	-117.267055031	33.9443723796	26	1491962
4056011E	CONCRETE	1988	HEMLOCK AVE N/S, W/O CALLE SOMBRA	10812025	9500L	-117.257504280	33.9425290669	25	1491962
4058475E	CONCRETE	1988	HEMLOCK ST N/S, 975' E/O PIGEON PASS	10812025	9500L	-117.258315472	33.9425185221	25	1491962
2269779E	CONCRETE	1983	SCOTTIA LN. N/S 110' W/O COACHMAN LN	10812025	9500L	-117.262560898	33.9460600953	25	1491962
2269780E	CONCRETE	1983	COACHMAN LN. E/S 10' N/O SCOTTIA LN.	10812025	9500L	-117.262101657	33.9460798576	25	1491962
2269781E	CONCRETE	1983	COACHMAN LN. E/S 310' N/O CHAMBARBY DR.	10812025	9500L	-117.262015421	33.9453003595	25	1491962
2269782E	CONCRETE	1983	CHAMBRAY DR. N/S 50' W/O COACHMAN LN.	10812025	9500L	-117.262160029	33.9444888127	25	1491962
2269783E	CONCRETE	1983	CHAMBRAY DR. N/S 50' W/O GLENDON DR.	10812025	9500L	-117.263144473	33.9444528875	25	1491962
2269784E	CONCRETE	1983	GLENDON DR. E/S 240' N/O CHAMBRAY DR.	10812025	9500L	-117.262899671	33.9451450929	25	1491962
2286901E	CONCRETE	1984	CHAMBRAY S/S 60' E/O GLENDON	10812025	9500L	-117.262800889	33.9443596920	25	1491962
2307388E	CONCRETE	1985	'D' ST, E/S, COR/O 'C' ST	10812025	9500L	-117.257180961	33.9470269326	25	1491962
2309950E	CONCRETE	1985	'D' ST, N/S, COR/O 'C' ST	10812025	9500L	-117.257706632	33.9471028684	25	1491962
2344873E	CONCRETE	1987	FALL RIVER RD S/S, 222' W/O CL/O COLLINGSWOOD	10812025	9500L	-117.260924923	33.9470616337	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2344874E	CONCRETE	1987	FALL RIVER RD N/S, 45' W/O CL/O COLLINGSWOO	10812025	9500L	-117.260275824	33.9470905208	25	1491962
2352067E	CONCRETE	1986	FALL RIVER RD, N/S, COR/O ALBION WY	10812025	9500L	-117.258447908	33.9470936713	25	1491962
2352070E	CONCRETE	1986	FALL RIVER RD, S/S, COR/O HARTLAND PL	10812025	9500L	-117.259137385	33.9470167056	25	1491962
2352071E	CONCRETE	1986	FALL RIVER RD, S/S, 185' W/O HARTLAND PL	10812025	9500L	-117.259631511	33.9469889270	25	1491962
4064151E	CONCRETE	1990	N/S IRONWOOD, 510' W/O PIGEON PASS	10812025	9500L	-117.263312600	33.9466574723	25	1491962
4064156E	CONCRETE	1990	N/S IRONWOOD, 250' W/O PIGEON PASS	10812025	9500L	-117.262319141	33.9466365179	25	1491962
2169885E	CONCRETE	1978	E/S BUCKHORN 250 S/O IRONWOOD	10812025	9500L	-117.254372330	33.9458357718	25	1491962
2169889E	CONCRETE	1978	BUCKHORN DR W/S, C/O ZOE DR	10812025	9500L	-117.254464686	33.9453127612	25	1491962
2169890E	CONCRETE	1978	BUCKHORN DR W/S, 130' S/O IRONWOOD	10812025	9500L	-117.254522433	33.9461845801	25	1491962
2169891E	CONCRETE	1978	IRONWOOD S/S, 150' W/O BUCKHORN	10812025	9500L	-117.254919034	33.9465907824	25	1491962
2290167E	CONCRETE	1984	SEAFARER S/S 20 W/O ASLAN	10812025	9500L	-117.253765707	33.9470144855	25	1491962
2290168E	CONCRETE	1984	SEAFARER S/S HONEY POT	10812025	9500L	-117.254623723	33.9470019540	25	1491962
2290169E	CONCRETE	1984	SEAFARER N/S 20 E/O SUGAR CREEK	10812025	9500L	-117.255349577	33.9470745880	25	1491962
2290171E	CONCRETE	1984	ASLAN W/S 150 N/O SEAFARER	10812025	9500L	-117.253794857	33.9473603957	25	1491962
2290181E	CONCRETE	1984	SWEETSPICE E/S 200 N/O IRONWOOD	10812025	9500L	-117.256222084	33.9470031093	25	1491962
2309949E	CONCRETE	1985	'C' ST, E/S, COR/O IRONWOOD AVE	10812025	9500L	-117.257636279	33.9466696420	25	1491962
4212626E	CONCRETE	1992	PIGEON PASS RD W/S 170' N/O HEMLOCK	10812025	22000L	-117.261630900	33.9429377225	29	1491960
2269775E	CONCRETE	1983	IRONWOOD AVE S/S 110' E/O MEDLEY DR.	10812025	22000L	-117.263251360	33.9465617348	29	1491960
2269776E	CONCRETE	1983	IRONWOOD AVE. S/S 340' W/O PIGEON PASS RD.	10812025	22000L	-117.262708266	33.9465541775	29	1491960
2290180E	CONCRETE	1984	IRONWOOD N/S 20 W/O SWEET SPICE	10812025	22000L	-117.256355531	33.9466944892	25	1491960
2339891E	CONCRETE	1986	IRONWOOD AVE, S/S, 265' W/O CALLE SOMBRA	10812025	22000L	-117.255961740	33.9465955423	29	1491960
2339892E	CONCRETE	1986	IRONWOOD AVE, S/S, 565' W/O CALLE SOMBRA	10812025	22000L	-117.257114724	33.9466000089	29	1491960
2357972E	CONCRETE	1988	IRONWOOD AVE S/S, 460' E/O PIGEON PASS	10812025	22000L	-117.260041995	33.9465783528	29	1491960
4053522E	CONCRETE	1988	IRONWOOD AVE S/S, W/O CHESAPEAKE RD	10812025	22000L	-117.259108458	33.9465801376	29	1491960
4212633E	CONCRETE	1992	PIGEON PASS RD W/O 515' N/O HEMLOCK	10812025	22000L	-117.261610320	33.9437183262	29	1491960
4212636E	CONCRETE	1992	PIGEON PASS RD W/S 690' N/O HEMLOCK	10812025	22000L	-117.261617263	33.9440315387	29	1491960
2290179E	CONCRETE	1984	IRONWOOD N/S 200 E/O SWEET SPICE	10812025	22000L	-117.255453513	33.9466777509	25	1491960
4316629E	CONCRETE	1997	HEMLOCK AVE S/S 873' E/O PIGEON PASS	10812025	22000L	-117.258630992	33.9424344933	29	1491960
4316630E	CONCRETE	1997	HEMLOCK AVE S/S 633' E/O PIGEON PASS	10812025	22000L	-117.259411733	33.9424119111	29	1491960
4318393E	CONCRETE	1997	HEMLOCK AVE N/S COR OF CALLE SOMBRA	10812025	5800L	-117.257117815	33.9425294836	29	1491960
4357889E	CONCRETE	1999	HEMLOCK N/S 320' E/O PIGION PASS	10812025	22000L	-117.260451243	33.9425128269	32	1491960
4357890E	CONCRETE	1999	HEMLOCK N/S 189' E/O PIGEON PASS RD	10812025	22000L	-117.260901365	33.9424862768	32	1491960
4535586E	CONCRETE	2006	HEMLOCK AVE N/S, 640' W/O GRAHAM AVE	10812025	9500L	-117.254792347	33.9425706930	27	1491962
4725925E	CONCRETE	2008	IRONWOOD S/S 35' E/O BUCKHORN	10812025	9500L	-117.254348391	33.9465863869	25	1491962
2269777E	CONCRETE	1982	IRONWOOD AVE. S/S 170' W/O PIGEON PASS RD.	10812025	22000L	-117.262159326	33.9465615888	29	1491960
1877015E	CONCRETE	1970	GARY CT N/S, N/END/O ZINNIA ST	10812028	5800L	-117.250527986	33.9459655415	25	1491962
1877016E	CONCRETE	1970	ZINNIA ST E/S N/O JUDGE WARD CT	10812028	5800L	-117.250482378	33.9451862259	25	1491962
1877017E	CONCRETE	1970	ZINNIA ST E/S, N/O NORRIS CIR	10812028	5800L	-117.250493694	33.9445205970	25	1491962
2199492E	CONCRETE	1957	N/W COR HEMLOCK AV & SWEGLES LN	10812028	9500L	-117.248794638	33.9426868887	25	1491962
2204031E	CONCRETE	1980	HEMLOCK AVE N/S 150' E/O ZINNIA ST	10812028	9500L	-117.250457899	33.9426635156	25	1491962
2204032E	CONCRETE	1980	HEMLOCK AVE N/S 50' E/O ZINNIA ST	10812028	9500L	-117.250945854	33.9426429311	25	1491962
2204033E	CONCRETE	1980	ZINNIA ST W/S 210' N/O HEMLOCK AVE	10812028	9500L	-117.251107273	33.9432206093	25	1491962
2204034E	CONCRETE	1980	ZINNIA ST E/S 140' S/O NORRIS CR	10812028	9500L	-117.250645668	33.9437135114	25	1491962
2347615E	CONCRETE	1986	GRAHAM ST, W/S, 75' S/O HEMLOCK AVE	10812028	9500L	-117.252757534	33.9423082702	25	1491962
2347616E	CONCRETE	1986	HEMLOCK AVE, N/S, 210' W/O GRAHAM ST	10812028	9500L	-117.253312602	33.9425994554	25	1491962
2169880E	CONCRETE	1978	GRAHAM W/S, N/COR/O ZOE DR	10812028	9500L	-117.252793764	33.9453350638	25	1491962
2169881E	CONCRETE	1978	GRAHAM W/S, 210' S/O IRONWOOD	10812028	9500L	-117.252649331	33.9459869403	25	1491962
2169883E	CONCRETE	1978	IRONWOOD S/S, 200' W/O GRAHAM	10812028	9500L	-117.253415247	33.9465890012	25	1491962
2169886E	CONCRETE	1978	ZOE DR N/S, 35' W/O RACKET CT	10812028	9500L	-117.253413971	33.9453079669	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2169887E	CONCRETE	1978	RACKET CT N/END/O, N/O ZOE DR	10812028	9500L	-117.253306033	33.9460227467	25	1491962
2169888E	CONCRETE	1978	RACKET CT E/S, 135' N/O ZOE DR	10812028	9500L	-117.253225202	33.9456386747	25	1491962
2199493E	CONCRETE	1957	SWEGLES W/S, N/O HEMLOCK AVE	10812028	9500L	-117.248701819	33.9435749743	25	1491962
2199494E	CONCRETE	1957	SWEGLES LN W/S, S/O POUTOUS CT	10812028	9500L	-117.248671123	33.9442688806	25	1491962
2199495E	CONCRETE	1957	SWEGLES LN W/S, N/O POUTOUS CT	10812028	9500L	-117.248968958	33.9451953964	25	1491962
2199496E	CONCRETE	1957	SWEGLES LN N/S, COR/O POUTOUS CT	10812028	9500L	-117.248581532	33.9447605837	25	1491962
2199497E	CONCRETE	1957	SWEGLES LN E/S, E/END OF GARY CT	10812028	9500L	-117.248813217	33.9459791956	25	1491962
2199498E	CONCRETE	1978	POUTOUS CT S/E, E/O SWEGLES LN	10812028	9500L	-117.248028024	33.9446622931	25	1491962
2199499E	CONCRETE	1957	POUTOUS CT N/END OF, N/O SWEGLES LN	10812028	9500L	-117.247965084	33.9460843854	25	1491962
2199500E	CONCRETE	1957	POUTOUS CT W/S, N/E OF SWEGLES LN	10812028	9500L	-117.248044914	33.9453821374	25	1491962
2204035E	CONCRETE	1980	NORRIS CR S/C 150' W/O ZINNIA ST	10812028	9500L	-117.251116230	33.9441661549	25	1491962
2204036E	CONCRETE	1980	ZINNIA ST E/S 60' E/O NORRIS CR	10812028	9500L	-117.250464694	33.9441148308	25	1491962
2204037E	CONCRETE	1980	JUDGE WARD CT N/S 120' W/O ZINNIA ST	10812028	9500L	-117.250950183	33.9450323392	25	1491962
2204038E	CONCRETE	1980	JUDGE WARD CT S/S 300' E/O ZINNIA ST	10812028	9500L	-117.251470284	33.9449361449	25	1491962
2204039E	CONCRETE	1980	GARY CT W/S 115' W/O ZINNIA ST	10812028	9500L	-117.250885187	33.9458385365	25	1491962
2204040E	CONCRETE	1980	GARY CT W/S 120' S/O IRONWOOD AVE	10812028	9500L	-117.251138356	33.9462620349	25	1491962
2290151E	CONCRETE	1984	WILD FLAX E/S 40 N/O WHISPERING SPRINGS	10812028	9500L	-117.251785906	33.9472155878	25	1491962
2290166E	CONCRETE	1984	SEAFARER N/S 200 W/O GRAHAM	10812028	9500L	-117.253390032	33.9470978946	25	1491962
2290454E	CONCRETE	1984	WHISPERING WINDS N/N 20 W/O BAYLESS	10812028	9500L	-117.249525974	33.9471487822	25	1491962
2290455E	CONCRETE	1984	WHISPERING WINDS S/S MEADOW WOOD EXT	10812028	9500L	-117.250372449	33.9470670106	25	1491962
2347617E	CONCRETE	1986	GRAHAM ST, W/S, 140' N/O HEMLOCK AVE	10812028	9500L	-117.252775489	33.9430062789	29	1491960
4039648E	CONCRETE	1987	HEACOCK ST W/S, 160' S/O HEMLOCK AVE	10812028	22000L	-117.243810569	33.9424375385	29	1491960
4039649E	CONCRETE	1987	HEMLOCK AVE S/S, 117' W/O HEACOCK ST	10812028	22000L	-117.244091527	33.9426741693	29	1491960
4112091E	CONCRETE	1990	HEACOCK W/S, 53' N/O P/L N/O HEMLOCK	10812028	22000L	-117.243813436	33.9435532011	29	1491960
4112120E	CONCRETE	1990	E/S HEACOCK, 240' N/O HEMLOCK	10812028	22000L	-117.243665355	33.9432905671	29	1491960
2290155E	CONCRETE	1984	IRONWOOD N/S 250 E/O GRAHAM	10812028	22000L	-117.251856252	33.9466871844	30	1491960
2290452E	CONCRETE	1984	IRONWOOD N/S 250 W/O BAYLESS	10812028	22000L	-117.250592189	33.9466637680	30	1491960
2290453E	CONCRETE	1984	IRONWOOD N/S 460 W/O BAYLESS	10812028	22000L	-117.251261349	33.9466899285	30	1491960
4112121E	CONCRETE	1990	E/S HEACOCK, 418' N/O HEMLOCK	10812028	22000L	-117.243656294	33.9438645282	29	1491960
4112122E	CONCRETE	1990	E/S HEACOCK, 596' N/O HEMLOCK	10812028	22000L	-117.243654030	33.9443184076	29	1491960
4112123E	CONCRETE	1990	E/S HEACOCK, 774' N/O HEMLOCK	10812028	22000L	-117.243674500	33.9448243229	29	1491960
4112124E	CONCRETE	1990	E/S HEACOCK, 485' S/O IRONWOOD	10812028	22000L	-117.243661802	33.9452999513	29	1491960
4112125E	CONCRETE	1957	HEACOCK ST E/S 300' S/O IRONWOOD AVENUE	10812028	22000L	-117.243667188	33.9458760794	25	1491960
4357884E	CONCRETE	1999	IRONWOOD S/S 300'W/O HEACOCK	10812028	22000L	-117.244859650	33.9465209622	32	1491960
4357885E	CONCRETE	1999	HEACOCK W/S 300' S/O IRONWOOD	10812028	22000L	-117.243796409	33.9455858195	32	1491960
4364687E	CONCRETE	2000	DAVID PL., S/O HEMLOCK	10812028	9500L	-117.250392377	33.9422119455	27	1491962
4269426E	CONCRETE	2002	KRISTEN CT. APPX. 732' W/O IRONWOOD AVE.	10812028	9500L	-117.246083651	33.9445683901	27	1491962
4269427E	CONCRETE	2002	KRISTEN CT. APPX. 920' W/O IRONWOOD AVE.	10812028	9500L	-117.246097420	33.9440434110	27	1491962
4269428E	CONCRETE	2002	KRISTEN CT. APPX. 1137' W/O IRONWOOD AVE.	10812028	9500L	-117.245974220	33.9433628897	27	1491962
4269429E	CONCRETE	2002	KRISTEN CT. APPX. 178' W/O IRONWOOD AVE.	10812028	9500L	-117.246018332	33.9460610698	27	1491962
4357301E	CONCRETE	2002	KRISTEN CT. APPX. 550' W/O IRONWOOD AVE.	10812028	9500L	-117.246056226	33.9450522533	27	1491962
4357303E	CONCRETE	2002	KRISTEN CT. APPX. 365' W/O IRONWOOD AVE.	10812028	9500L	-117.246032443	33.9455663208	27	1491962
4535587E	CONCRETE	2006	GRAHAM AVE W/S, 325' N/O HEMLOCK AVE	10812028	9500L	-117.252750366	33.9434542588	27	1491962
4535588E	CONCRETE	2006	GRAHAM AVE W/S, 733' N/O HEMLOCK AVE	10812028	9500L	-117.252782633	33.9445792872	27	1491962
4799423E	CONCRETE	2011	HEACOCK ST W/S, 830' N/O C/L HEMLOCK AV	10812028	22000L	-117.243784671	33.9449920627	32	1491960
4799424E	CONCRETE	2011	HEACOCK ST W/S, 630' N/O C/L HEMLOCK AV	10812028	22000L	-117.243791734	33.9444578994	32	1491960
4799425E	CONCRETE	2011	HEACOCK ST W/S, 430' N/O C/L HEMLOCK AV	10812028	22000L	-117.243786856	33.9439595575	32	1491960
2290157E	CONCRETE	1984	GRAHAM W/S 30 N/O SEAFARER	10812028	9500L	-117.252806996	33.9471538800	25	1491962
2290156E	CONCRETE	1984	IRONWOOD N/S 20 E/O GRAHAM	10812028	5800L	-117.252539789	33.9466729055	30	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2290451E	CONCRETE	1984	IRONWOOD N/S 20 W/O BAYLESS	10812028	22000L	-117.249756208	33.9466838948	30	1491960
1964288E	CONCRETE	1971	W/S TABOR DR N/O IRONWOOD AVE	10812031	5800L	-117.242536150	33.9470098938	25	1491962
1964289E	CONCRETE	1971	N/S SETON PLACE 125' E/O TABOR DRIVE	10812031	5800L	-117.241865220	33.9472484828	25	1491962
1964290E	CONCRETE	1971	E/S TABOR DRIVE 120' N/O SETON PLACE	10812031	5800L	-117.242397547	33.9475518730	25	1491962
2292507E	CONCRETE	1985	NITA AVE, E/S, LOT 18 & 19	10812031	9500L	-117.236865928	33.9436166468	25	1491962
2292508E	CONCRETE	1985	NITA AVE, W/S, LOTS 21 & 22	10812031	9500L	-117.236990839	33.9431214798	25	1491962
4112117E	CONCRETE	1989	N/S HEMLOCK, 254' E/O HEACOCK	10812031	9500L	-117.243153063	33.9427634777	25	1491962
4112118E	CONCRETE	1989	S/S HEMLOCK, 441' E/O HEACOCK	10812031	9500L	-117.242635038	33.9426579014	25	1491962
4112135E	CONCRETE	1989	S/S HEMLOCK, 80' E/O DAVIS	10812031	9500L	-117.241153051	33.9423521448	25	1491962
4112137E	CONCRETE	1990	E/S DAVIS, 245' N/O HEMLOCK	10812031	9500L	-117.240992915	33.9431578498	25	1491962
4112138E	CONCRETE	1990	S/S HEMLOCK, 190' W/O INDIAN	10812031	9500L	-117.235593451	33.9426854219	25	1491962
4112140E	CONCRETE	1990	N/S NITA, 233' W/O HEMLOCK	10812031	9500L	-117.236826732	33.9427646068	25	1491962
4230000E	CONCRETE	1993	N/S HEMLOCK, S/O NITA	10812031	9500L	-117.236294268	33.9423152442	25	1491962
2226470E	CONCRETE	1981	KEVIN ST. P/P E/S 270' N/O CL/O IRONWOOD	10812031	9500L	-117.238089090	33.9475748935	25	1491962
2226473E	CONCRETE	1981	KEVIN P/P E/S 75' N/O CL/O IRONWOOD AV.	10812031	9500L	-117.238073937	33.9468220596	25	1491962
2292502E	CONCRETE	1985	NITA AVE W/S 140' S/O IRONWOOD AVE	10812031	9500L	-117.236981926	33.9462041445	25	1491962
2292503E	CONCRETE	1985	NITA AVE, E/S, 320' S/O IRONWOOD AVE	10812031	9500L	-117.236991271	33.9457235837	25	1491962
2292504E	CONCRETE	1985	NITA AVE E/S LOT 37	10812031	9500L	-117.236866601	33.9452270770	25	1491962
2292505E	CONCRETE	1985	NITA AVE, E/S LOT 11	10812031	9500L	-117.236860429	33.9446252564	25	1491962
2292506E	CONCRETE	1985	NITA AVE, W/S LOT 31	10812031	9500L	-117.236991242	33.9440783324	25	1491962
4112136E	CONCRETE	1990	W/S DAVIS, 429' N/O HEMLOCK	10812031	9500L	-117.240999073	33.9436696103	25	1491962
4112143E	CONCRETE	1990	E/S DAVIS, 970' S/O IRONWOOD	10812031	9500L	-117.240801204	33.9441414391	25	1491962
4112144E	CONCRETE	1990	W/S DAVIS, 777' S/O IRONWOOD	10812031	9500L	-117.240536173	33.9447596785	25	1491962
1999290E	CONCRETE	1957	WELLER PLACE W/S, 60' N/O CL/O IRONWOOD AV	10812031	9500L	-117.233772924	33.9467228126	25	1491962
1964286E	CONCRETE	1971	N/S IRONWOOD 120' E/O TABOR DRIVE	10812031	22000L	-117.241848389	33.9466260674	25	1491960
1964287E	CONCRETE	1971	N/S IRONWOOD 30' W/O TABOR DRIVE	10812031	22000L	-117.242580764	33.9466136097	25	1491960
2292501E	CONCRETE	1985	IRONWOOD AVE, S/E COR/O NITA AVE	10812031	22000L	-117.236836492	33.9465589687	29	1491960
4112146E	CONCRETE	1990	W/S DAVIS, 380' S/O IRONWOOD	10812031	9500L	-117.239666553	33.9457838703	25	1491962
4112145E	CONCRETE	1990	E/S DAVIS, 590' S/O IRONWOOD	10812031	9500L	-117.239994305	33.9451146315	25	1491962
4112119E	CONCRETE	1989	N/S HEMLOCK, 145' W/O DAVIS	10812031	9500L	-117.241828284	33.9427177779	25	1491962
1990745E	CONCRETE	1972	E/S LEAHY DR. N/O HEMLOCK AVE.	10812034	5800L	-117.231091278	33.9428264719	25	1491962
1990746E	CONCRETE	1972	E/S LEAHY DR. & SINGER ST.	10812034	5800L	-117.231137472	33.9434083177	25	1491962
1990750E	CONCRETE	1972	N/S SINGER ST 370' W/O LEAHY DR.	10812034	5800L	-117.232462998	33.9434389352	25	1491962
1990751E	CONCRETE	1972	S/S SINGER ST. 160' W/O LEAHY ST.	10812034	5800L	-117.231741242	33.9434479198	25	1491962
1990752E	CONCRETE	1972	N/S HEMLOCK AVE 440' W/O LEAHY DR.	10812034	5800L	-117.232780471	33.9427773004	25	1491962
1990753E	CONCRETE	1972	N/S HEMLOCK AVE 230' W/O LEAHY DR.	10812034	5800L	-117.231919588	33.9427861906	25	1491962
1990747E	CONCRETE	1972	E/S LEAHY DR. & SINALOA ST.	10812034	9500L	-117.231206325	33.9440974723	25	1491962
2207362E	CONCRETE	1980	HEMLOCK S/S, 15' E/O LEAHY DR	10812034	9500L	-117.231100492	33.9426942432	25	1491962
2228109E	CONCRETE	1981	HEMLOCK AVE S/S 50'E/O ONYX PL	10812034	9500L	-117.226880279	33.9427054596	25	1491962
2228110E	CONCRETE	1981	HEMLOCK AVE S/S 160'W/O ONYX PL	10812034	9500L	-117.227599385	33.9427023930	25	1491962
2228111E	CONCRETE	1981	HEMLOCK AVE S/S 350'W/O ONYX PL	10812034	9500L	-117.228126759	33.9426959118	25	1491960
2228112E	CONCRETE	1981	HEMLOCK AVE S/S 410' E/O LAMOS PL	10812034	9500L	-117.228697819	33.9427182047	25	1491962
2228113E	CONCRETE	1981	HEMLOCK AVE S/S 230'E/O LAMOS PL	10812034	9500L	-117.229380707	33.9427048406	25	1491962
2228114E	CONCRETE	1981	HEMLOCK AVE S/S 50'E/O LAMOS PL	10812034	9500L	-117.230131305	33.9426993824	25	1491962
2182500E	CONCRETE	1980	HEMLOCK AVENUE S/S, 110' W/O LOPEZ DRIVE	10812034	9500L	-117.223798393	33.9427150480	35	1491962
4064032E	CONCRETE	1988	N/S HEMLOCK, 665' E/O PERRIS BLVD.	10812034	9500L	-117.224178567	33.9428093078	25	1491962
4064033E	CONCRETE	1988	N/S HEMLOCK, 353' E/O PERRIS BLVD.	10812034	9500L	-117.225271553	33.9428240376	25	1491962
1895013E	WOOD	1970	KILGORE STREET W/S, 309' N/O IRONWOOD AVEN	10812034	9500L	-117.231699977	33.9474576444	30	1491962
1895014E	WOOD	1970	KILGORE STREET W/S, 105' N/O IRONWOOD AVEN	10812034	9500L	-117.231831655	33.9468744284	30	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
1990748EA	CONCRETE	1972	N/S SINALOA ST 160' W/O LEAHY	10812034	9500L	-117.231939828	33.9441233087	25	1491962
1990749E	CONCRETE	1972	S/S SINALOA ST 370' W/O LEAHY DR.	10812034	9500L	-117.232931737	33.9440217362	25	1491962
1999287E	CONCRETE	1957	WELBY PLACE W/S, 60' N/O CL/O IRONWOOD AV	10812034	9500L	-117.232778435	33.9467760883	25	1491962
1999288E	CONCRETE	1957	WELBY PLACE W/S, 260' N/O	10812034	9500L	-117.232777185	33.9473336297	25	1491962
1999291E	CONCRETE	1972	ALVISO RD. N/S 300' S 1440' E/O DAY ST.	10812034	9500L	-117.233602565	33.9474345348	40	1491962
2206870E	CONCRETE	1980	1004 HARCLARE DR	10812034	9500L	-117.230279662	33.9461187245	35	1491962
2206871E	CONCRETE	1980	ALCOVE PL E/END/OF, E/O HARCLARE DR	10812034	9500L	-117.229558738	33.9461074183	35	1491962
2206872E	CONCRETE	1980	HARCLARE DR E/S, S/O ALCOVE PL	10812034	9500L	-117.230138425	33.9457190112	35	1491962
2206876E	CONCRETE	1980	AARON DR W/S, S/O ODESSA DR	10812034	9500L	-117.228930279	33.9461155135	35	1491962
2206877E	CONCRETE	1980	ARRON DR E/S, N/O HARCLARE DR	10812034	9500L	-117.228817382	33.9456500342	35	1491962
2206878E	CONCRETE	1980	AARON DR N/W COR/OF, ODESSA DR	10812034	9500L	-117.228769922	33.9451150707	35	1491962
2206879E	CONCRETE	1980	ODESSA DR N/S, 200' E/O GASSEN PL	10812034	9500L	-117.226988171	33.9452364851	35	1491962
2206880E	CONCRETE	1980	ODESSA DR E/S, 300' S/E GASSEN PL	10812034	9500L	-117.227014580	33.9446689928	35	1491962
2206881E	CONCRETE	1980	HARCLARE DR N/S COR/O ODESSA DR	10812034	9500L	-117.226902425	33.9443253313	35	1491962
2206882E	CONCRETE	1980	HARCLARE DR N/S, E/O BARNES CT	10812034	9500L	-117.227451234	33.9443840169	35	1491962
2206883E	CONCRETE	1980	HARCLARE DR S/S, COR/O BARNES CT	10812034	9500L	-117.227923797	33.9442640612	35	1491962
2206884E	CONCRETE	1980	BARNES CT N/END/O, N/O HARCLARE DR	10812034	9500L	-117.227887999	33.9453898289	35	1491962
2206887E	CONCRETE	1980	AARON DR S/S, E/O GASSEN PL	10812034	9500L	-117.228561854	33.9461218506	35	1491962
2206888E	CONCRETE	1980	ODESSA DR N/S, C/O GASSEN PL	10812034	9500L	-117.228123697	33.9461873711	35	1491962
2206889E	CONCRETE	1980	ODESSA DR E/S, N/O HARCLARE DR	10812034	9500L	-117.227009767	33.9462039790	35	1491962
2206890E	CONCRETE	1980	ODESSA DR W/S, N/O HARCLARE DR	10812034	9500L	-117.227019462	33.9456788550	35	1491962
2206891E	CONCRETE	1980	BARNES CT E/S, N/O HARCLARE DR	10812034	9500L	-117.227865631	33.9449208509	35	1491962
2206892E	CONCRETE	1980	HARCLARE DR W/S, C/O NEVIN PL	10812034	9500L	-117.230317019	33.9452242030	35	1491962
2206893E	CONCRETE	1980	NEVIN PL E/END/O, E/O HARCLARE DR	10812034	9500L	-117.229576077	33.9452124029	35	1491962
2206894E	CONCRETE	1980	HARCLARE DR E/S, S/O NEVIN PL	10812034	9500L	-117.230173132	33.9447921099	35	1491962
2206895E	CONCRETE	1980	HARCLARE DR E/S, C/O HARCLARE DR	10812034	9500L	-117.230278736	33.9443584342	35	1491962
2206896E	CONCRETE	1980	HARCLARE DR S/S, W/O AARON DR	10812034	9500L	-117.229810634	33.9442959847	35	1491962
2206897E	CONCRETE	1980	HARCLARE DR N/E C/O AARON DR	10812034	9500L	-117.228785342	33.9443686016	35	1491962
2206898E	CONCRETE	1980	AARON DR W/S, N/O HARCLARE DR	10812034	9500L	-117.228936945	33.9446278185	35	1491962
2226399E	WOOD	1981	N/W COR/O HUBBARD ST/IRONWOOD AVE	10812034	9500L	-117.230970961	33.9466645755	30	1491962
2344836E	CONCRETE	1986	WELLER PL W/S, 65' S/O IRONWOOD	10812034	9500L	-117.233610898	33.9464413572	25	1491962
2344837E	CONCRETE	1986	WELLER PL E/S, 35' N/O BAYBERRY CIR	10812034	9500L	-117.233388982	33.9459355073	25	1491962
2344838E	CONCRETE	1986	BAYBERRY CIR N/S, 150' E/O WELLER PL	10812034	9500L	-117.232982416	33.9458698330	25	1491962
2344839E	CONCRETE	1986	WELLER PL W/S, 145' N/O AFTON WAY	10812034	9500L	-117.233526354	33.9454594429	25	1491962
2344840E	CONCRETE	1986	AFTON WAY W/S, 27' W/O WELLER PL	10812034	9500L	-117.233514170	33.9450931967	25	1491962
2344841E	CONCRETE	1986	AFTON WAY S/S, 140' E/O WELLER PL	10812034	9500L	-117.233006561	33.9449559114	25	1491962
2344842E	CONCRETE	1986	HONEYSUCKLE CT W/S, 110' N/O AFTON WAY	10812034	9500L	-117.232474717	33.9453032054	25	1491962
2344843E	CONCRETE	1986	AFTON WAY S/S, 15' E/O HONEYSUCKLE CT	10812034	9500L	-117.232367902	33.9449664050	25	1491962
4005217E	CONCRETE	1990	AFTON WAY N/S, 50' W/O KILGORE STREET	10812034	9500L	-117.231677467	33.9450511161	25	1491962
4005218E	CONCRETE	1990	KILGORE STREET E/S, 180' N/O AFTON WAY	10812034	9500L	-117.231453689	33.9454418808	25	1491962
4005219E	CONCRETE	1990	KILGORE STREET W/S, 240' S/O IRONWOOD AVEN	10812034	9500L	-117.231725048	33.9459640664	25	1491962
2289544E	CONCRETE	1984	PASEO GRANDE WY 150 N/O IRONWOOD	10812034	9500L	-117.224841578	33.9476251671	25	1491962
2289545E	CONCRETE	1984	GRANDUAR CT 200 W/O PASEO GRANDE WY	10812034	9500L	-117.225716385	33.9472017195	25	1491962
2289548E	CONCRETE	1957	PALOS GRANDE WY AT GRADUAR CT	10812034	9500L	-117.224865890	33.9471331922	30	1491962
2347606E	CONCRETE	1987	VENETIAN DR., N/E COR/O IRONWOOD AVE	10812034	9500L	-117.223822545	33.9466998332	25	1491962
2347607E	CONCRETE	1987	VENETIAN DR., N/E COR/O VILLA HERMOSA, MOR	10812034	9500L	-117.223827914	33.9472019108	25	1491962
2347608E	CONCRETE	1987	VENETIAN DR., W/S, 370' N/O IRONWOOD AVE	10812034	9500L	-117.223958039	33.9477337583	25	1491962
1990754E	CONCRETE	1972	N/W C/O HEMLOCK AVE & LEAHY DR.	10812034	22000L	-117.231258406	33.9428003822	25	1491960
2302455E	CONCRETE	1985	W/S PERRIS BL 300' N/O HEMLOCK	10812034	22000L	-117.226452947	33.9434973729	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2302456E	CONCRETE	1985	W/S PERRIS BL N/O HEMLOCK	10812034	22000L	-117.226435122	33.9430710995	29	1491960
2302457E	CONCRETE	1985	W/S PERRIS BL N/O HEMLOCK	10812034	22000L	-117.226440034	33.9425646804	29	1491960
4064034E	CONCRETE	1988	E/S PERRIS BLVD., 330' N/O HEMLOCK	10812034	22000L	-117.226301643	33.9435770686	29	1491960
4064035E	CONCRETE	1988	E/S PERRIS BLVD., 510' N/O HEMLOCK	10812034	22000L	-117.226338532	33.9440703733	29	1491960
4064036E	CONCRETE	1988	E/S PERRIS BLVD., 706' N/O HEMLOCK	10812034	22000L	-117.226333905	33.9446359827	29	1491960
2206869E	CONCRETE	1980	IRONWOOD S/S, 20' E/O HARCLARE DR	10812034	22000L	-117.230086605	33.9465664275	35	1491960
2206873E	CONCRETE	1980	IRONWOOD S/S, 200' E/O HARCLARE DR	10812034	22000L	-117.229572495	33.9465639119	35	1491960
2206874E	CONCRETE	1980	IRONWOOD AV S/S, 140' W/O HARCLARE DR	10812034	22000L	-117.230624060	33.9465664534	35	1491960
2206875E	CONCRETE	1980	IRONWOOD AV S/S, 450' E/O HARCLARE DR	10812034	22000L	-117.228938498	33.9465681104	35	1491960
2206885E	CONCRETE	1980	IRONWOOD AV S/S, 200' E/O GASSEN PL	10812034	22000L	-117.227275107	33.9465793731	35	1491960
2206886E	CONCRETE	1980	IRONWOOD AV S/E C/O GASSEN PL	10812034	22000L	-117.227905477	33.9465533255	35	1491960
4001943E	CONCRETE	1987	40' S/O IRONWOOD AVE, 80' W/O HUBBARD	10812034	22000L	-117.231492734	33.9465607453	29	1491960
4001944E	CONCRETE	1987	S/W COR/O IRONWOOD AVENUE & KILGOERE ST	10812034	22000L	-117.231865183	33.9465384390	29	1491960
2302451E	CONCRETE	1985	W/S PERRIS BL 180' S/O IRONWOOD	10812034	22000L	-117.226423839	33.9461731273	29	1491960
2302452E	CONCRETE	1985	W/S PERRIS BL 250' S/O IRONWOOD	10812034	22000L	-117.226449564	33.9458223763	29	1491960
2302453E	CONCRETE	1985	W/S PERRIS BL 400' S/O IRONWOOD	10812034	22000L	-117.226460158	33.9452974334	29	1491960
2302454E	CONCRETE	1985	W/S PERRIS BL 450' N/O HEMLOCK	10812034	22000L	-117.226451115	33.9439486006	29	1491960
2342057E	CONCRETE	1984	C/O IRONWOOD AVE & PASEO GRANDE WY	10812034	22000L	-117.224806745	33.9465997006	25	1491960
4745676E	CONCRETE	2008	DIEGO CT E/S, 132' N/O ABBEY LN	10812034	9500L	-117.225809563	33.9452314481	27	1491962
4745677E	CONCRETE	2008	DIEGO CT W/S, 19' S/O ROADRUNNER LN	10812034	9500L	-117.225918773	33.9456491953	27	1491962
4745678E	CONCRETE	2008	DIEGO CT E/S, 157' N/O ROADRUNNER LN	10812034	9500L	-117.225809355	33.9460828917	27	1491962
4745679E	CONCRETE	2008	ROADRUNNER LN S/S, 107' E/O DIEGO CT	10812034	9500L	-117.225485948	33.9456309182	27	1491962
4745680E	CONCRETE	2008	ROADRUNNER LN S/S, 114' W/O PALOS GRANDE WY	10812034	9500L	-117.224918226	33.9456341839	27	1491962
4745681E	CONCRETE	2008	PALOS GRANDE WY W/S, 204' S/O IRONWOOD AVE	10812034	9500L	-117.224809954	33.9461107816	27	1491962
4745682E	CONCRETE	2008	PALOS GRANDE WY E/S, 10' S/O ROADRUNNER LN	10812034	9500L	-117.224475357	33.9456709346	27	1491962
4745683E	CONCRETE	2008	PALOS GRANDE WY E/S, 159' S/O ROADRUNNER LN	10812034	9500L	-117.224430359	33.9452830160	27	1491962
4745684E	CONCRETE	2008	PALOS GRANDE WY W/S, 25' N/O ABBEY LN	10812034	9500L	-117.224573840	33.9449369411	27	1491962
4745685E	CONCRETE	2008	ABBAY LN S/S, 10' E/O DIEGO CT	10812034	9500L	-117.225870329	33.9448105780	27	1491962
4758526E	CONCRETE	2008	IRONWOOD AVE S/S, 156' E/O PALOS GRANDE WY	10812034	22000L	-117.224297438	33.9466138861	32	1491962
4758527E	CONCRETE	2008	IRONWOOD AVE S/S, 55' W/O PALOS GRANDE WY	10812034	22000L	-117.225016273	33.9466030771	32	1491962
4758528E	CONCRETE	2008	IRONWOOD AVE S/S, 214' W/O PALOS GRANDE WY	10812034	22000L	-117.225563952	33.9466049325	32	1491962
4758529E	CONCRETE	2008	PERRIS BLVD E/S, 262' S/O IRONWOOD AVE	10812034	22000L	-117.226312604	33.9459329247	32	1491962
4758530E	CONCRETE	2008	PERRIS BLVD E/S, 132' N/O ABBEY LN	10812034	22000L	-117.226325680	33.9452386600	32	1491962
4758532E	CONCRETE	2008	ABBAY LN N/S, 135' W/O DIEGO CT	10812034	9500L	-117.226261861	33.9449011634	27	1491962
2182047E	CONCRETE	1980	HEMLOCK AVENUE S/S, 210' E/O LOPEZ DRIVE	10812037	9500L	-117.222831786	33.9427183563	35	1491962
2182152E	CONCRETE	1980	S/E COR/O HEMLOCK AVENUE AND LOPEZ DRIVE	10812037	9500L	-117.223529772	33.9427075696	35	1491962
2182176E	CONCRETE	1980	HEMLOCK AVENUE S/S, 430' E/O LOPEZ DRIVE	10812037	9500L	-117.222229281	33.9427150686	35	1491962
2226534E	CONCRETE	1982	S/E C/O HEMLOCK AVE /VISTA HERMOSA DR	10812037	9500L	-117.221573783	33.9427055344	25	1491962
2267558E	CONCRETE	1983	HEMLOCK AV S/S 215 E/O VISTA HERMOSA DR	10812037	9500L	-117.220869483	33.9427015008	25	1491962
2267559E	CONCRETE	1983	HEMLOCK AV S/S 410 E/O VISTA HERMOSA	10812037	9500L	-117.220183169	33.9427175124	25	1491962
2267560E	CONCRETE	1983	HEMLOCK AV S/S 533 W/O KITCHING ST	10812037	9500L	-117.219473674	33.9427181844	25	1491962
2267561E	CONCRETE	1983	HEMLOCK AV S/S 330 W/O KITCHING ST	10812037	9500L	-117.218714541	33.9427370043	25	1491962
2267562E	CONCRETE	1983	HEMLOCK AV S/S 122 W/O KITCHING ST	10812037	9500L	-117.218040172	33.9427343649	25	1491962
2267563E	CONCRETE	1983	S/E C/O HEMLOCK AV & KITCHING ST	10812037	9500L	-117.217598739	33.9427281232	25	1491962
2347627E	CONCRETE	1986	WESTERLY TR, W/S, 280' N/O HEMLOCK AVE	10812037	9500L	-117.220080881	33.9433496418	25	1491962
2347628E	CONCRETE	1986	WESTERLY TR, E/S, 92' N/O HEMLOCK AVE	10812037	9500L	-117.219942619	33.9430067401	25	1491962
2347807E	CONCRETE	1986	KITCHING AVE, W/S, N/O HEMLOCK AVE	10812037	9500L	-117.217677300	33.9435104464	25	1491962
2352620E	CONCRETE	1986	WIND RIVER TR, E/S, 115' N/O HEMLOCK AVE	10812037	9500L	-117.219067254	33.9430312052	25	1491962
2352621E	CONCRETE	1986	WIND RIVER CIR, W/S, 315' N/O HEMLOCK AVE	10812037	9500L	-117.219162783	33.9434183350	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2352622E	CONCRETE	1986	WIND RIVER CIR, N/S, 170' W/O LANGTRY CIR	10812037	9500L	-117.218725233	33.9437400745	25	1491962
2352623E	CONCRETE	1986	LANGTRY CIR, S/W COR/O WIND RIVER CIR	10812037	9500L	-117.218280760	33.9436175118	25	1491962
2352624E	CONCRETE	1986	LANGTRY CIR, E/S, 210' S/O WIND RIVER CIR	10812037	9500L	-117.218163538	33.9431576553	25	1491962
4112676E	CONCRETE	1989	E/S AMBER HILL, 100' N/O HEMLOCK	10812037	9500L	-117.220796389	33.9429726368	25	1491962
4112677E	CONCRETE	1989	W/S AMBER HILL, 370' N/O HEMLOCK	10812037	9500L	-117.220905856	33.9436671345	25	1491962
4057386E	CONCRETE	1989	E/S COCOPAH, 160' N/O STUYVESANT	10812037	9500L	-117.216657799	33.9427040999	25	1491962
4057387E	CONCRETE	1989	W/S COCOPAH, 365' N/O STUYVESANT	10812037	9500L	-117.216798255	33.9432832362	25	1491962
4112389E	CONCRETE	1989	W/S TUSCOLA, 30' S/O ONATE	10812037	9500L	-117.215862641	33.9430006530	25	1491962
4112390E	CONCRETE	1989	S/S ONATE, 100' E/O TUSCOLA	10812037	9500L	-117.215439335	33.9429771253	25	1491962
4112391E	CONCRETE	1989	S/S ONATE, 470' E/O TUSCOLA	10812037	9500L	-117.214082890	33.9429610658	25	1491962
4112393E	CONCRETE	1989	N/S ONATE, 290' E/O TUSCOLA	10812037	9500L	-117.214707510	33.9430394851	25	1491962
4112394E	CONCRETE	1989	E/S TUSCOLA, 150' N/O ONATE	10812037	9500L	-117.215746990	33.9433125939	25	1491962
2347609E	CONCRETE	1987	11953 VILLA HERMOSA, MORENO VALLEY	10812037	9500L	-117.223259175	33.9472409222	25	1491962
2347610E	CONCRETE	1987	11960 VILLA HERMOSA, MORENO VALLEY	10812037	9500L	-117.222795393	33.9471541236	25	1491962
2347611E	CONCRETE	1987	11942 VILLA HERMOSA, MORENO VALLEY	10812037	9500L	-117.222650767	33.9476953617	25	1491962
2347613E	CONCRETE	1987	MATHEWS ST, W/S, 215' N/O IRONWOOD AVE	10812037	9500L	-117.221882973	33.9476029136	25	1491962
2347621E	CONCRETE	1986	LONE MESA TR, S/S, COR/O FLINTLOCK TR	10812037	9500L	-117.218264211	33.9451504641	25	1491962
2347622E	CONCRETE	1986	LONE MESA TR, S/S, 190' W/O FLINTLOCK TR	10812037	9500L	-117.218769446	33.9451577187	25	1491962
2347623E	CONCRETE	1986	WESTERLY TR, W/S, COR/O LONE MESA TR	10812037	9500L	-117.219417892	33.9451744871	25	1491962
2347624E	CONCRETE	1986	WESTERLY TR, E/S, 130' S/O LONE MESA TR	10812037	9500L	-117.219411025	33.9448524682	25	1491962
2347625E	CONCRETE	1986	WESTERLY TR, W/S, 60' S/O SAND CREEK TR	10812037	9500L	-117.219759758	33.9443311706	25	1491962
2347626E	CONCRETE	1986	WESTERLY TR, E/S, 210' S/O SAND CREEK TR	10812037	9500L	-117.219758516	33.9438631075	25	1491962
2347805E	CONCRETE	1986	KITCHING AVE, W/S, 400' S/O IRONWOOD AVE	10812037	9500L	-117.217721144	33.9456062705	25	1491962
2347806E	CONCRETE	1986	KITCHING AVE, W/S, 610' S/O IRONWOOD AVE	10812037	9500L	-117.217698596	33.9450625815	25	1491962
2352295E	CONCRETE	1985	FLINTLOCK TR, E/S, 170' S/O HAWKWOOD TR	10812037	9500L	-117.218187387	33.9457154349	25	1491962
2352296E	CONCRETE	1985	FLINTLOCK TR, N/E COR/O HAWKWOOD TR	10812037	9500L	-117.218261246	33.9462172379	25	1491962
2352297E	CONCRETE	1985	HAWKWOOD TR, N/S, 115' W/O FLINTLOCK TR	10812037	9500L	-117.218774883	33.9462131968	25	1491962
2352298E	CONCRETE	1985	HAWKWOOD TR, S/S, 165' E/O AMBER HILL TR	10812037	9500L	-117.219520819	33.9461334104	25	1491962
2352299E	CONCRETE	1985	AMBER HILL TR, N/W COR/O HAWKWOOD TR	10812037	9500L	-117.220098872	33.9461857980	25	1491962
2352300E	CONCRETE	1985	AMBER HILL TR, E/S, 135' S/O HAWKWOOD TR	10812037	9500L	-117.220052888	33.9455963627	25	1491962
2352625E	CONCRETE	1986	LANGTRY CIR, E/S, 115' S/O SAND CREEK TR	10812037	9500L	-117.218101495	33.9440516262	25	1491962
2352626E	CONCRETE	1986	SAND CREEK TR, S/E COR/O LANGTRY CIR	10812037	9500L	-117.218099823	33.9443574391	25	1491962
2352627E	CONCRETE	1986	SAND CREEK TR, N/S, 120' W/O LANGTRY CIR	10812037	9500L	-117.218733130	33.9444608649	25	1491962
2352628E	CONCRETE	1986	SAND CREEK TR, S/S, 150' E/O WESTERLY TR	10812037	9500L	-117.219154362	33.9443541668	25	1491962
4057383E	CONCRETE	1989	N/S SAND CREEK TRAIL, 160' E/O KITCHING	10812037	9500L	-117.217106636	33.9445236260	25	1491962
4112678E	CONCRETE	1989	E/S AMBER HILL, 620' N/O HEMLOCK	10812037	9500L	-117.220713287	33.9443594770	25	1491962
4112679E	CONCRETE	1989	W/S AMBER HILL, 920' N/O HEMLOCK	10812037	9500L	-117.220373012	33.9451353048	25	1491962
4207113E	CONCRETE	1993	TUSCOLA W/S 378' N/O IRONWOOD	10812037	9500L	-117.215452667	33.9477172159	25	1491962
2272915E	CONCRETE	1986	TUSCOLA ST, 150' N/O PALMWOOD DE	10812037	9500L	-117.215411878	33.9449863406	25	1491962
2272924E	CONCRETE	1986	TUSCOLA ST, S/E COR/O IRONWOOD AVE	10812037	9500L	-117.215430985	33.9466496094	25	1491962
2289664E	CONCRETE	1986	TUSCOLA ST, E/S, 160' N/O PALM MEADOWS CT	10812037	9500L	-117.215410280	33.9457795734	25	1491962
2289762E	CONCRETE	1986	PALMWOOD DR, N/S, 225' W/O PALM VISTA DR	10812037	9500L	-117.214494927	33.9446391150	25	1491962
2289767E	CONCRETE	1986	PALM SHADOWS DR, N/E COR/O TUSCOLA ST	10812037	9500L	-117.215429159	33.9462461809	25	1491962
2289768E	CONCRETE	1986	PALM SHADOWS, S/S, 180' W/O PALM VISTA	10812037	9500L	-117.214915217	33.9461745744	25	1491962
2344400E	CONCRETE	1986	PALM MEADOWS CT, S/S, 165' E/O TUSCOLA ST	10812037	9500L	-117.214693249	33.9453931742	25	1491962
4005107E	CONCRETE	1989	JASON PL S/S, 340' W/O SLAWSON AVE	10812037	9500L	-117.214645744	33.9480363031	25	1491962
4005110E	CONCRETE	1989	TUSCOLA ST E/S, 180' N/O IRONWOOD AVE	10812037	9500L	-117.215444047	33.9471769026	25	1491962
4005120E	CONCRETE	1989	JAVIER PL S/S, 340' W/O SLAWSON AVE	10812037	9500L	-117.214287922	33.9472335748	25	1491962
4057382E	CONCRETE	1989	EAST END OF SAND CREEK TRAIL	10812037	9500L	-117.216540588	33.9444412810	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4113988E	CONCRETE	1989	S/S VESPUCCI, 460' E/O TUSCOLA	10812037	9500L	-117.214283917	33.9437927645	25	1491962
4113989E	CONCRETE	1989	N/S VESPUCCI, 280' E/O TUSCOLA	10812037	9500L	-117.214855303	33.9438418483	25	1491962
4113990E	CONCRETE	1989	S/S VESPUCCI, 110' E/O TUSCOLA	10812037	9500L	-117.215479215	33.9437357165	25	1491962
4113991E	CONCRETE	1989	E/S TUSCOLA, 40' N/O VESPUCCI	10812037	9500L	-117.215863082	33.9439468978	25	1491962
4113994E	CONCRETE	1989	W/S TUSCOLA, S/O PALMWOOD	10812037	9500L	-117.215643826	33.9445450043	25	1491962
4113995E	CONCRETE	1989	W/S TUSCOLA, 310' N/O PALMWOOD	10812037	9500L	-117.215563775	33.9453853897	25	1491962
4113996E	CONCRETE	1989	W/S TUSCOLA, 605' N/O PALMWOOD	10812037	9500L	-117.215541530	33.9462690516	25	1491962
4151036E	CONCRETE	1990	S/S PALMWOOD,80' E/O TUSCOLA	10812037	9500L	-117.215220521	33.9445600141	25	1491962
2352282E	CONCRETE	1985	IRONWOOD AVE, S/S, 345' W/O KITCHING	10812037	22000L	-117.218828819	33.9466248274	29	1491960
2352285E	CONCRETE	1985	KITCHING AVE, W/S, 150' S/O IRONWOOD AVE	10812037	22000L	-117.217719986	33.9462611923	29	1491960
4207116E	CONCRETE	1993	N/W C/O IRONWOOD & KITCHING	10812037	22000L	-117.217821011	33.9467410410	29	1491960
4005118E	CONCRETE	1989	IRONWOOD AVE N/S, 327' W/O SLAWSON AVE	10812037	22000L	-117.214388700	33.9467216327	29	1491960
4207114E	CONCRETE	1993	IRONWOOD N/S 180' W/O TUSCOLA	10812037	22000L	-117.216094363	33.9467400186	29	1491960
4207115E	CONCRETE	1993	IRONWOOD N/S 395' W/O TUSCOLA	10812037	22000L	-117.216836226	33.9467428272	29	1491960
4392178E	CONCRETE	2000	GARNET LN E/S, 65' S/O IRONWOOD AVE	10812037	9500L	-117.222706842	33.9463587161	27	1491962
4392179E	CONCRETE	2000	BRONZE ST N/S, 170' E/O GARNET ST	10812037	9500L	-117.222152020	33.9462303656	27	1491962
4392180E	CONCRETE	2000	BRONZE ST N/S, 5' W/O LOREZ DR	10812037	9500L	-117.223531953	33.9462369911	27	1491962
4392181E	CONCRETE	2000	LOREZ DR E/S, 100' N/O MARBLE ST	10812037	9500L	-117.223485259	33.9458459855	27	1491962
4392182E	CONCRETE	2000	MARBLE ST S/S, 175' E/O LOREZ DR	10812037	9500L	-117.222956272	33.9455235559	27	1491962
4392183E	CONCRETE	2000	MARBLE ST N/S, 375' E/O LOREZ DR	10812037	9500L	-117.222360339	33.9455393497	27	1491962
4392184E	CONCRETE	2000	LOREZ DR E/S, 110' S/O MARBLE ST	10812037	9500L	-117.223480072	33.9452141279	27	1491962
4392185E	CONCRETE	2000	LOREZ DR W/S, 70' S/O FRANKLIN ST	10812037	9500L	-117.223604184	33.9440918183	27	1491962
4392186E	CONCRETE	2000	FRANKLIN ST S/S, 170 E/O LOREZ DR	10812037	9500L	-117.223116308	33.9440813902	27	1491962
4392187E	CONCRETE	2000	FRANKLIN ST S/S, 360 E/O LOREZ DR	10812037	9500L	-117.222486757	33.9441000301	27	1491962
4392188E	CONCRETE	2000	FRANKLIN ST SE/S, 560 E/O LOREZ DR	10812037	9500L	-117.221833933	33.9441023537	27	1491962
4392189E	CONCRETE	2000	FRANKLIN ST NW/S, 700 S/O IRONWOOD AVE	10812037	9500L	-117.221653836	33.9447954843	27	1491962
4392190E	CONCRETE	2000	FRANKLIN ST E/S, 450 S/O IRONWOOD AVE	10812037	9500L	-117.221138409	33.9454254580	27	1491962
4392191E	CONCRETE	2000	FRANKLIN ST W/S, 260 S/O IRONWOOD AVE	10812037	9500L	-117.220956797	33.9459625383	27	1491962
4392192E	CONCRETE	2000	LOREZ DR W/S, 10' S/O TURQUOISE ST	10812037	9500L	-117.223607861	33.9434908691	27	1491962
4392193E	CONCRETE	2000	TURQUOISE ST S/S, 220' E/O LOREZ DR	10812037	9500L	-117.222812571	33.9435302628	27	1491962
4392194E	CONCRETE	2000	TURQUOISE ST N/S, 420' E/O LOREZ DR	10812037	9500L	-117.222150013	33.9436044166	27	1491962
4392195E	CONCRETE	2000	TURQUOISE ST E/S, 610' E/O LOREZ DR	10812037	9500L	-117.221586072	33.9435759959	27	1491962
4392196E	CONCRETE	2000	LOREZ DR E/S, 220 N/O HEMLOCK AVE	10812037	9500L	-117.223514523	33.9432069806	27	1491962
4396522E	CONCRETE	2000	LOREZ DR W/S, 110' N/O FRANKLIN ST	10812037	9500L	-117.223623105	33.9447025152	27	1491962
4396523E	CONCRETE	2000	BRONZE ST S/S, 20' W/O GARNER LN	10812037	9500L	-117.222819065	33.9461563456	27	1491962
4396524E	CONCRETE	2000	FRANKLIN ST W/S, 260 S/O IRONWOOD AVE	10812037	9500L	-117.221035740	33.9464147460	27	1491962
4396525E	CONCRETE	2000	IRONWOOD AVE S/S, 60' E/O FRANKLIN ST	10812037	22000L	-117.220786893	33.9466137606	32	1491962
4396526E	CONCRETE	2000	IRONWOOD AVE S/S, 200' W/O FRANKLIN ST	10812037	22000L	-117.221599034	33.9466047929	32	1491962
4396527E	CONCRETE	2000	IRONWOOD AVE S/S, 5' W/O MATHEWS RD	10812037	22000L	-117.222013657	33.9466098768	32	1491962
4396528E	CONCRETE	2000	IRONWOOD AVE S/S, 60' E/O GARNET LN	10812037	22000L	-117.222612540	33.9465985234	32	1491962
4396529E	CONCRETE	2000	IRONWOOD AVE S/S, 142' W/O GARNET LN	10812037	22000L	-117.223204294	33.9466019800	32	1491962
2347652E	CONCRETE	1986	CHAMPLAIN ST, W/S, 160' N/O BALTIMORE AVE	10812040	9500L	-117.211505824	33.9434855652	25	1491962
2347653E	CONCRETE	1986	CHAMPLAIN ST, E/S, COR/O BALTIMORE ST	10812040	9500L	-117.211150744	33.9431793815	25	1491962
2347654E	CONCRETE	1986	BALTIMORE ST, N/S, 140' W/O CHAMPLAIN ST	10812040	9500L	-117.212784616	33.9431966790	25	1491962
2347659E	CONCRETE	1986	ERICSON DR, E/S, 90' N/O BALTIMORE AVE	10812040	9500L	-117.212135852	33.9430345693	25	1491962
2347660E	CONCRETE	1986	ERICSON DR, E/S, COR/O ONATE DR	10812040	9500L	-117.212374848	33.9433489173	25	1491962
2351818E	CONCRETE	1986	BRIDGER ST N/S, 492' N/O LASSELLE ST	10812040	9500L	-117.207891868	33.9444215531	25	1491962
2351819E	CONCRETE	1986	BRIDGER ST E/S, 360' N/O LASSELLE ST	10812040	9500L	-117.208093694	33.9440138561	25	1491962
2351820E	CONCRETE	1986	BRIDGER ST E/S, 175' N/O LASSELLE ST	10812040	9500L	-117.208347913	33.9436833495	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2351821E	CONCRETE	1986	LASSELLE ST W/S, 97' S/O BRIDGER ST	10812040	9500L	-117.208605413	33.9430964652	25	1491962
2351822E	CONCRETE	1986	BRIDGER ST N/S, 55' W/O LASSELLE ST	10812040	9500L	-117.208982770	33.9432845773	25	1491962
2351829E	CONCRETE	1986	LASSELLE ST E/S, 160' N/O BRIDGER ST	10812040	9500L	-117.209176338	33.9437014562	25	1491962
2357932E	CONCRETE	1987	PONCE DE LEON E/S, 100' N/O BRIDGER	10812040	9500L	-117.209696027	33.9430626150	25	1491962
2357933E	CONCRETE	1987	BRIDGER ST S/S, C/O PONCE DE LEON	10812040	9500L	-117.209401139	33.9428096451	25	1491962
2357935E	CONCRETE	1987	PONCE DE LEON E/S, 480' N/O BRIDGER	10812040	9500L	-117.210560963	33.9438541199	25	1491962
2357937E	CONCRETE	1987	PONCE DE LEON W/S, 310' N/O BRIDGER	10812040	9500L	-117.210276720	33.9434299389	25	1491962
4004844E	CONCRETE	1987	CHAMPLAIN ST E/S, 900' N/O ELDER AVE	10812040	9500L	-117.210791276	33.9428665558	25	1491962
4039606E	CONCRETE	1988	BREWSTER DR. E/S, 160' S/O CORONADA DR.	10812040	9500L	-117.207315803	33.9429281839	25	1491962
4039607E	CONCRETE	1988	CORONADA DR. N/S, 5' W/O BREWSTER	10812040	9500L	-117.207667989	33.9432857469	25	1491962
4039608E	CONCRETE	1988	CORONADA DR. N/S, 20' S/O TASMAN ST.	10812040	9500L	-117.207204222	33.9436844682	25	1491962
4112392E	CONCRETE	1989	N/S ONATE, 710' E/O TUSCOLA	10812040	9500L	-117.213447528	33.9430811294	25	1491962
4039609E	CONCRETE	1988	TASMAN ST. N/S, 155' S/O CORONADA DR.	10812040	9500L	-117.206733021	33.9435736540	25	1491962
2289665E	CONCRETE	1986	PALM VISTA DR, E/S, 190' N/O PALMWOOD DR	10812040	9500L	-117.213608797	33.9451369707	25	1491962
2289763E	CONCRETE	1986	PALM VISTA DR, W/S, 190' S/O PALM SHADOWS DR	10812040	9500L	-117.213729193	33.9457174195	25	1491962
2289769E	CONCRETE	1986	PALM VISTA DR, N/E COR/O PALM SHADOWS	10812040	9500L	-117.213728711	33.9462214367	25	1491962
2309692E	CONCRETE	1986	PONCE DE LEON DR, E/S, 33' N/O SERRA DR	10812040	9500L	-117.210829695	33.9445673376	25	1491962
2309693E	CONCRETE	1986	PONCE DE LEON DR, W/S, 190' S/O CABOT AVE	10812040	9500L	-117.210760239	33.9452440006	25	1491962
2309694E	CONCRETE	1986	PONCE DE LEON DR, W/S, COR/O CABOT AVE	10812040	9500L	-117.210606915	33.9456148665	25	1491962
2309695E	CONCRETE	1986	PONCE DE LEON DR, W/S, 210' N/O CABOT AVE	10812040	9500L	-117.210282269	33.9461177890	25	1491962
2309696E	CONCRETE	1986	CABOT AVE, N/S, 140' W/O LASSELLE ST	10812040	9500L	-117.210082170	33.9454276331	25	1491962
2309698E	CONCRETE	1986	LASSELLE ST, E/S, 120' S/O IRONWOOD AVE	10812040	9500L	-117.208940372	33.9463640662	25	1491962
2309699E	CONCRETE	1986	ELIOT AVE, N/S, 140' E/O LASSELLE ST	10812040	9500L	-117.208862449	33.9457743838	25	1491962
2309700E	CONCRETE	1986	LASSELLE ST, E/S, 50' N/O CABOT AVE	10812040	9500L	-117.209582714	33.9452569904	25	1491962
2328427E	CONCRETE	1985	CHAMPLAIN ST, W/S, 140' S/O IRONWOOD AVE	10812040	9500L	-117.211265838	33.9463493296	25	1491962
2328428E	CONCRETE	1985	CHAMPLAIN ST, E/S, 55' S/O PIZZARO CT	10812040	9500L	-117.211405407	33.9458160876	25	1491962
2328429E	CONCRETE	1985	CHAMPLAIN ST, E/S, COR/O CARTIER DR	10812040	9500L	-117.211697929	33.9452355395	25	1491962
2328430E	CONCRETE	1985	CHAMPLAIN ST, W/S, COR/O SERRA DR	10812040	9500L	-117.211892207	33.9445486539	25	1491962
2328431E	CONCRETE	1985	SERRA DR, S/S, 150' E/O CHAMPLAIN ST	10812040	9500L	-117.211382002	33.9444728939	25	1491962
2328432E	CONCRETE	1986	CARTIER DR, N/S, 150' E/O ERICSON DR	10812040	9500L	-117.212325374	33.9453900079	25	1491962
2328433E	CONCRETE	1986	ERICSON DR, E/S, 230' N/O CARTIER DR	10812040	9500L	-117.212743009	33.9459349464	25	1491962
2328434E	CONCRETE	1986	ERICSON DR, W/S, COR/O CARTIER DR	10812040	9500L	-117.212863971	33.9453664421	25	1491962
2328436E	CONCRETE	1986	PIZZARO CT, N/S, 150' W/O CHAMPLAIN ST	10812040	9500L	-117.211899184	33.9461868590	25	1491962
2347651E	CONCRETE	1986	CHAMPLAIN ST, E/S, 330' N/O BALTIMORE AVE	10812040	9500L	-117.211663773	33.9439238558	25	1491962
2347661E	CONCRETE	1986	ERICSON DR, E/S, COR/O VESPUCCI AVE	10812040	9500L	-117.212661219	33.9440051833	25	1491962
2347663E	CONCRETE	1986	ERICSON DR, W/S, 160' N/O VESPUCCI AVE	10812040	9500L	-117.212874170	33.9445336606	25	1491962
2347664E	CONCRETE	1986	ERICSON DR, E/S, 350' N/O VESPUCCI AVE	10812040	9500L	-117.212730931	33.9449879005	25	1491962
2351824E	CONCRETE	1986	PINZON CT E/S, 95' N/O LASSELLE ST	10812040	9500L	-117.209336619	33.9442004482	25	1491962
2351825E	CONCRETE	1986	PINZON CT E/S, 240' N/O LASSELLE ST	10812040	9500L	-117.208924222	33.9445178200	25	1491962
2351826E	CONCRETE	1986	LASSELLE ST W/S, 40' N/O PINZON CT	10812040	9500L	-117.209720418	33.9440989853	25	1491962
2351827E	CONCRETE	1986	LASSELLE ST W/S, 240' N/O PINZON CT	10812040	9500L	-117.210003241	33.9446496447	25	1491962
2351828E	CONCRETE	1986	LASSELLE ST E/S, 240' N/O PINZON CT	10812040	9500L	-117.209876305	33.9446611252	25	1491962
2357936E	CONCRETE	1987	PONCE DE LEON W/S, 630' N/O BRIDGER	10812040	9500L	-117.210862364	33.9442195999	25	1491962
4005105E	CONCRETE	1989	JAVIER PL N/S, 160' W/O SLAWSON AVE	10812040	9500L	-117.213773665	33.9473297801	25	1491962
4005106E	CONCRETE	1989	SLAWSON AVE W/S, 45' S/O JAVIER PL	10812040	9500L	-117.213358060	33.9471463350	25	1491962
4005108E	CONCRETE	1989	JASON PL N/S, 160' W/O SLAWSON AVE	10812040	9500L	-117.213754361	33.9481087428	25	1491962
4005109E	CONCRETE	1989	SLAWSON AVE W/S, 45' S/O JASON PL	10812040	9500L	-117.213374121	33.9479676557	25	1491962
4058738E	CONCRETE	1989	N/S ELIOT, 90' W/O CORONADA	10812040	9500L	-117.207492928	33.9453423933	25	1491962
4058739E	CONCRETE	1989	S/S ELIOT, 350' W/O CORONADA	10812040	9500L	-117.208301246	33.9453739015	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4058741E	CONCRETE	1989	W/S CORONADA, 60' S/O SCOTT VICTOR CR.	10812040	9500L	-117.207405740	33.9460723634	25	1491962
4058743E	CONCRETE	1989	N/S SCOTT VICTOR CR., 190' W/O CORONADA	10812040	9500L	-117.207954286	33.9461817116	25	1491962
4113987E	CONCRETE	1989	N/S VESPUCCI, 640' E/O TUSCOLA	10812040	9500L	-117.213671267	33.9438376016	25	1491962
4113992E	CONCRETE	1989	S/S PALMWOOD, 540' E/O TUSCOLA	10812040	9500L	-117.213697537	33.9445494478	25	1491962
4232656E	CONCRETE	1992	IRONWOOD N/S 845' E/O SLAWSON	10812040	9500L	-117.210616537	33.9467395977	25	1491962
4232657E	CONCRETE	1992	IRONWOOD AVE N/S 595' E/S SALWSON	10812040	9500L	-117.211450980	33.9467215572	25	1491962
4232658E	CONCRETE	1992	IRONWOOD AVE N/S 410' E/O SLAWSON	10812040	9500L	-117.212072059	33.9467329882	25	1491962
4232659E	CONCRETE	1992	IRONWOOD AVE N/S 205' E/O SLAWSON	10812040	9500L	-117.212721854	33.9467397133	25	1491962
4232661E	CONCRETE	1992	SLAWSON E/S 215' N/O IRONWOOD	10812040	9500L	-117.213238735	33.9473361835	25	1491962
4232662E	CONCRETE	1992	SLAWSON E/S 422' N/O IRONWOOD	10812040	9500L	-117.213262129	33.9478576899	25	1491962
2150602E	CONCRETE	1979	W/S VISTA DE CERROS S/O IRONWOOD	10812040	9500L	-117.205028959	33.9470751193	29	1491962
2150603E	CONCRETE	1980	W/S OF VISTA DE CERROS S/O IRONWOOD	10812040	9500L	-117.204762168	33.9457780128	29	1491962
2150604E	CONCRETE	1980	W/S VISTA DE CERROS N/O VIA DE PALMAS	10812040	9500L	-117.204579872	33.9452595495	29	1491962
2150608E	CONCRETE	1980	E/S OF VISTA DE CERROS N/O VIA DE PALMAS	10812040	9500L	-117.204040509	33.9447806304	29	1491962
2150609E	CONCRETE	1980	E/W OF VISTA DE CERROS N/O VIA DE PALMAS	10812040	9500L	-117.204628203	33.9463010359	29	1491962
2150610E	CONCRETE	1980	E/S VISTA DE CERROS S/O IRONWOOD	10812040	9500L	-117.204675764	33.9467990650	29	1491962
2327072E	CONCRETE	1985	VISTA DE CERROS, W/S, 135' N/O IRONWOOD	10812040	9500L	-117.205619042	33.9478656035	25	1491962
4058736E	CONCRETE	1989	E/S CORONADA, 440' S/O ELIOT	10812040	9500L	-117.206882873	33.9442105579	25	1491962
4058737E	CONCRETE	1989	W/S CORONADA, 170' S/O ELIOT	10812040	9500L	-117.207141175	33.9450079505	25	1491962
4058740E	CONCRETE	1989	E/S CORONADA, 85' N/O ELIOT	10812040	9500L	-117.207164749	33.9456140250	25	1491962
4058742E	CONCRETE	1989	N/S SCOTT VICTOR CR., 150' E/O CORONADA	10812040	9500L	-117.207023795	33.9462994723	25	1491962
4058744E	CONCRETE	1989	S/S IRONWOOD, 400' E/O LASSELLE	10812040	9500L	-117.207237509	33.9467035329	25	1491962
2347662E	CONCRETE	1986	VESPUCCI AVE, S/S, 120' W/O ERICSON DR	10812040	22000L	-117.213047571	33.9438550971	25	1491960
4005119E	CONCRETE	1989	IRONWOOD AVE N/S, 140' W/O SLAWSON AVE	10812040	22000L	-117.213757564	33.9467508585	29	1491960
2150601E	CONCRETE	1980	S/S IRONWOOD W/O VISTA DE CERROS	10812040	22000L	-117.205882080	33.9471790593	29	1491960
2150611E	CONCRETE	1980	S/E C/O IRONWOOD AND VISTA DE CERROS	10812040	22000L	-117.205211475	33.9475346066	29	1491960
2327073E	CONCRETE	1985	IRONWOOD AVE, N/S, 230' E/O VISTA DE CERROS	10812040	22000L	-117.204780053	33.9478523454	29	1491960
4392993E	CONCRETE	2002	WOODBRIAR DR E/S,45' S/O TASMAN ST	10812040	9500L	-117.205968878	33.9432565395	27	1491962
4392994E	CONCRETE	2002	TASMAN ST S/S,45' W/O WOODBRIAR DR	10812040	9500L	-117.206215877	33.9433333147	27	1491962
4392995E	CONCRETE	2002	TASMAN ST S/S,170' E/O WOODBRIAR DR	10812040	9500L	-117.205434047	33.9433428502	27	1491962
4392996E	CONCRETE	2002	TASMAN ST N/S,360' E/O WOODBRIAR DR	10812040	9500L	-117.204869829	33.9436018891	27	1491962
4392997E	CONCRETE	2002	TASMAN ST N/S,590' E/O WOODBRIAR DR	10812040	9500L	-117.204081608	33.9435565236	27	1491962
4392998E	CONCRETE	2002	WOODBRIAR DR W/S,200' DEANA CT	10812040	9500L	-117.206040980	33.9435261001	27	1491962
4392999E	CONCRETE	2002	DEANA CT S/S,200' E/O WOODBRIAR DR	10812040	9500L	-117.205132962	33.9441974312	27	1491962
4393000E	CONCRETE	2002	WOODBRIAR DR E/S,40' N/O DEANA CT	10812040	9500L	-117.205827871	33.9441243724	27	1491962
4638295E	CONCRETE	2007	WOODBRIAR DR W/S, 292' N/O DEANA CT	10812040	9500L	-117.206102314	33.9447810676	27	1491962
4638296E	CONCRETE	2007	WOODBRIAR DR E/S, 449' N/O DEANA CT	10812040	9500L	-117.206090773	33.9452364140	27	1491962
4638297E	CONCRETE	2007	WOODBRIAR DR W/S, 287' S/O SCOTT VICTOR CIR	10812040	9500L	-117.206342639	33.9455890861	27	1491962
4638298E	CONCRETE	2007	WOODBRIAR DR E/S, 155' S/O SCOTT VICTOR CIR	10812040	9500L	-117.206317447	33.9459761675	27	1491962
4638299E	CONCRETE	2007	SCOTT VICTOR CIR S/S, 43' W/O WOODBRIAR DR	10812040	9500L	-117.206591915	33.9462892692	27	1491962
4638300E	CONCRETE	2007	SCOTT VICTOR CIR N/S, 173' E/O WOODBRIAR DR	10812040	9500L	-117.205937117	33.9465752558	27	1491962
4580178E	CONCRETE	2007	IRONWOOD S/S, 110' E/O P/L WOODBRIAR	10812040	22000L	-117.206344113	33.9469546830	32	1491960
4212093E	CONCRETE	1992	W/S VIA DE PALMAS, 60' S/O TASMAN ST.	10812043	9500L	-117.203545104	33.9432521360	25	1491962
2150606E	CONCRETE	1980	S/S VIA DE PALMAS C/O VISTA DE CERROS	10812043	9500L	-117.203250186	33.9443097862	29	1491962
2150607E	CONCRETE	1980	N/S VIA DE PALMAS E/O VISTA DE CERROS	10812043	9500L	-117.203120591	33.9446644055	29	1491962
4478315E	CONCRETE	2002	MORRISON ST W/S, 103' N/O HEMLOCK AVE	10812043	9500L	-117.200342470	33.9432619219	27	1491962
4508804E	CONCRETE	2004	SANDRIA AVE E/S, 47' S/O CASA LINDA PL	10812043	9500L	-117.201540485	33.9444738406	27	1491962
4508805E	CONCRETE	2004	CASA LINDA PL S/S, 104' W/O SANDRIA AVE	10812043	9500L	-117.201984458	33.9446229982	27	1491962
4508806E	CONCRETE	2004	CASA LINDA PL N/S, 108' E/O VIA DE PALMAS	10812043	9500L	-117.202404754	33.9448222377	27	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4508807E	CONCRETE	2004	VIA DE PALMAS E/S, 46' S/O CASA LINDA PL	10812043	9500L	-117.202799142	33.9447985166	27	1491962
4508808E	CONCRETE	2004	CASA LINDA PL W/S, 122' N/O VIA DE PALMAS	10812043	9500L	-117.203010802	33.9452373863	27	1491962
4508809E	CONCRETE	2004	CASA LINDA PL E/S, 412' N/O VIA DE PALMAS	10812043	9500L	-117.203145192	33.9459672860	27	1491962
4508810E	CONCRETE	2004	SANDIRA AVE W/S, 42' N/O OLYMPUS CT	10812043	9500L	-117.201683726	33.9438423244	27	1491962
4508811E	CONCRETE	2004	OLYMPUS CT S/S, 46' W/O SANDRIA AVE	10812043	9500L	-117.201744963	33.9437005366	27	1491962
4508812E	CONCRETE	2004	OLYMPUS CT, ON CUL DE SAC	10812043	9500L	-117.202545835	33.9437488142	27	1491962
4508801E	CONCRETE	2004	MORRISON ST W/S, 151' S/O CASA LINDA PL	10812043	9500L	-117.200327334	33.9442227959	27	1491962
4508802E	CONCRETE	2004	CASA LINDA PL S/S, 266' E/O SANDRIA AVE	10812043	9500L	-117.200713483	33.9445881629	27	1491962
4508803E	CONCRETE	2004	CASA LINDA PL N/S,95' E/O SANDRIA AVE	10812043	9500L	-117.201290530	33.9446645682	27	1491962
4472095E	CONCRETE	2003	SHERWOOD CIR S/S, 45' W/O SANDRIA AVE	10812043	9500L	-117.201808793	33.9429961810	27	1491962
4472096E	CONCRETE	2003	SHERWOOD CIR N/S, 179' W/O SANDRIA AVE	10812043	9500L	-117.202259554	33.9431673362	27	1491962
4472097E	CONCRETE	2003	SHERWOOD CIR, ON CUL DE SAC	10812043	9500L	-117.202848587	33.9430910612	27	1491962
4478500E	CONCRETE	2003	SANDRIA AVE E/S, 116' N/O SHERWOOD CIR	10812043	9500L	-117.201525658	33.9433758459	27	1491962
4488769E	CONCRETE	2007	N/S VIA DE PALMAS S/O VISTA DE CERRO	10812043	9500L	-117.203525599	33.9437982088	26	1491962
4112916E	CONCRETE	1990	E/S NASON, S/O ARCHIE AVE.	10812046	9500L	-117.191445298	33.9433427201	25	1491962
4285942E	CONCRETE	2002	IRONWOOD S/S, 65' E/O LANTZ	10812046	22000L	-117.187599714	33.9465560193	32	1491960
4532864E	CONCRETE	2007	NASON E/S, 55' N/O C/L ARCHIE	10812046	9500L	-117.191381855	33.9444440882	31	1491960
4112923E	CONCRETE	1990	W/S OLIVER, 50' N/O DARLENE	10812049	9500L	-117.182903715	33.9444884359	25	1491962
4285939E	CONCRETE	2002	IRONWOOD S/S, 55' W/O C/L OLIVER	10812049	22000L	-117.182093183	33.9465288869	32	1491960
2327398E	CONCRETE	1986	FENIMORE DR, 620' E/O HINSON ST	10812052	9500L	-117.170592263	33.9457163282	25	1491962
2358052E	CONCRETE	1987	PETTIT ST E/S, 655' N/O HEMLOCK AVE	10812052	9500L	-117.173840606	33.9445994388	25	1491962
2358054E	CONCRETE	1987	HINSON ST W/S, 25' S/O BETHANY CIR	10812052	9500L	-117.172653820	33.9446190649	25	1491962
2358056E	CONCRETE	1987	FENIMORE DR W/S, 525' N/O HEMLOCK AVE	10812052	9500L	-117.170478869	33.9442207156	25	1491962
4056563E	CONCRETE	1992	N/S IRONWOOD AVE., 144' E/O HINSON STREET	10812052	9500L	-117.172143441	33.9464751824	29	1491962
4056564E	CONCRETE	1992	N/S IRONWOOD AVE., 62' W/O HINSON STREET	10812052	9500L	-117.172749039	33.9464648537	29	1491962
4222498E	CONCRETE	1992	IRONWOOD N/S 171' E/O PETTIT ST	10812052	9500L	-117.173408398	33.9464648431	25	1491962
2342850E	CONCRETE	1986	S/E COR/O IRONWOOD AVENUE AND HINSON ST	10812052	22000L	-117.172537224	33.9463793201	29	1491960
2358051E	CONCRETE	1987	IRONWOOD AVE S/S, 70' E/O PETTIT ST	10812052	22000L	-117.173672092	33.9463839530	29	1491960
4150850E	CONCRETE	1990	IRONWOOD AVENUE S/S, 400' E/O HINSON STREET	10812052	22000L	-117.171313790	33.9463908021	29	1491960
4524522E	CONCRETE	2005	IRONWOOD AVE S/S, 615' E/O C/L REDLANDS BL	10812055	22000L	-117.154542914	33.9463806115	32	1491960
4524523E	CONCRETE	2005	IRONWOOD AVE S/S, 393' E/O C/L REDLANDS BL	10812055	22000L	-117.155270097	33.9464024598	32	1491960
4524524E	CONCRETE	2005	IRONWOOD AVE S/S, 167' E/O C/L REDLANDS BL	10812055	22000L	-117.155913240	33.9464257993	32	1491960
4163459E	CONCRETE	1991	S/E COR/O HIGHLAND BL AND ORANGE GROVE CR	10812058	9500L	-117.146073053	33.9482543235	25	1491962
4294091E	CONCRETE	1996	IRONWOOD S/S 1735' E/O REDLANDS BL C/L	10812058	22000L	-117.150815176	33.9463907405	29	1491960
4294092E	CONCRETE	1996	IRONWOOD S/S 1560'E/O REDLANDS BLVD	10812058	22000L	-117.151396390	33.9463601056	29	1491960
4294093E	CONCRETE	1996	IRONWOOD S/S 1383' E/O REDLANDS BL C/L	10812058	22000L	-117.152076945	33.9463648574	29	1491960
4924090E	CONCRETE	1996	IRONWOOD S/S 1910' E/O REDLANDS BL C/L	10812058	22000L	-117.150268646	33.9463967215	29	1491960
2352516E	CONCRETE	1986	N/E COR/O MORTON ROAD & PALA FOXIA PLACE	10832013	9500L	-117.296416663	33.9496041900	25	1491962
2352517E	CONCRETE	1986	MORTON ROAD E/S, 320' S/O PALA FOXIA PLACE	10832013	9500L	-117.296431507	33.9487180064	25	1491962
4113175E	CONCRETE	1990	S/S WORDSWORTH, 110' E/O MORTAN	10832013	9500L	-117.296113543	33.9501892053	25	1491962
4113176E	CONCRETE	1990	E/S MORTAN, 50' N/O WORDSWORTH	10832013	9500L	-117.296435405	33.9503702201	25	1491962
4113177E	CONCRETE	1990	E/S MORTAN, 388' N/O WORDSWORTH	10832013	9500L	-117.296411070	33.9510057338	25	1491962
2352518E	CONCRETE	1986	BETULA CIRCLE W/S, 300' S/O PALA FOXIA PLACE	10832013	9500L	-117.295962259	33.9488713781	25	1491962
2352519E	CONCRETE	1986	BETULA CIRCLE E/S, 130' S/O PALA FOXIA PLACE	10832013	9500L	-117.295894925	33.9492242851	25	1491962
2352520E	CONCRETE	1986	N/W COR/O PALA FOXIA PLACE & BETULA CIRCLE	10832013	9500L	-117.295962427	33.9496036693	25	1491962
2352521E	CONCRETE	1986	N/W COR/O PALA FOXIA PLACE & MARTYNIA COURT	10832013	9500L	-117.295189725	33.9496110491	25	1491962
2352522E	CONCRETE	1986	MARTYNIA COURT E/S, 140' S/O PALA FOXIA PLACE	10832013	9500L	-117.295044125	33.9492096737	25	1491962
2352523E	CONCRETE	1986	MARTYNIA COURT W/S, 290' S/O PALA FOXIA PLACE	10832013	9500L	-117.295077303	33.9488847752	25	1491962
2352524E	CONCRETE	1986	MARTYNIA COURT S/S, 330' S/O PALA FOXIA PLACE	10832013	9500L	-117.294827265	33.9487046069	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2352525E	CONCRETE	1986	MARTYNIA COURT N/S, 580' S/O PALA FOXIA PLAC	10832013	9500L	-117.294325385	33.9488027362	25	1491962
2352526E	CONCRETE	1986	MARTYNIA COURT S/S, 790' S/O PALA FOXIA PLAC	10832013	9500L	-117.293774530	33.9487085027	25	1491962
2352527E	CONCRETE	1986	S/W COR/O PALA FOXIA PLACE & BAPTISIA COUR	10832013	9500L	-117.294341394	33.9495727629	25	1491962
2352528E	CONCRETE	1986	BAPTISIA COURT E/S, 90' S/O PALA FOXIA PLACE	10832013	9500L	-117.294127865	33.9494326244	25	1491962
4057971E	CONCRETE	1988	PALA FOXIA COURT N/S, 390' W/O LEWISIA AVEN	10832013	9500L	-117.293602045	33.9496678109	25	1491962
4113172E	CONCRETE	1990	DICKINSON ROAD S/S, 240' E/O WORDSWORTH R	10832013	9500L	-117.294569534	33.9505099735	25	1491962
4113173E	CONCRETE	1990	WORDSWORTH ROAD E/S, 40' N/O DICKINSON RD	10832013	9500L	-117.295115896	33.9509103627	25	1491962
4113174E	CONCRETE	1990	WORDSWORTH ROAD W/S, 120' S/O DICKINSON R	10832013	9500L	-117.295471880	33.9505164504	25	1491962
4113178E	CONCRETE	1990	WORDSWORTH ROAD W/S, 30' S/O LANDS END	10832013	9500L	-117.294951098	33.9514500281	25	1491962
4113179E	CONCRETE	1990	LANDS END S/S, 215' E/O WORDSWORTH ROAD	10832013	9500L	-117.294161724	33.9513354148	25	1491962
4113180E	CONCRETE	1990	N/S LANDS END, 390' E/O WORDSWORTH	10832013	9500L	-117.293549932	33.9515814026	25	1491962
4113181E	CONCRETE	1990	WORDSWORTH ROAD E/S, 40' S/O TENNYSON RO	10832013	9500L	-117.294724789	33.9520379960	25	1491962
4299119E	STEEL	1996	DICKINSON ROAD N/S 400' E/O WORDSWORTH R	10832013	9500L	-117.293971488	33.9506134355	23	1491962
4515976E	CONCRETE	2004	MORTON RD E/S, 147' N/O 'A' ST	10832013	22000L	-117.296446064	33.9480301567	32	1491960
4515977E	CONCRETE	2004	MORTON RD E/S, 104' S/O 'A' ST	10832013	22000L	-117.296455497	33.9474902701	32	1491960
4057684E	CONCRETE	1988	TOWNSENDIA AVE S/S, 150' W/O CL/O MENTZELI	10832016	9500L	-117.289133670	33.9490892836	25	1491962
4057901E	CONCRETE	1988	LEWISIA AVE S/S, 410' E/O DOUGLASIS CT	10832016	9500L	-117.288814777	33.9470381882	25	1491962
4057902E	CONCRETE	1988	RUDBECKIA COURT W/S, 30' N/O CL/O LEWISIA A	10832016	9500L	-117.288291091	33.9471944006	25	1491962
4057903E	CONCRETE	1988	RUDBECKIA COURT E/S, 30' E/O SALIX AVENUE	10832016	9500L	-117.288163598	33.9477917944	25	1491962
4057904E	CONCRETE	1988	S/S SALIX AVE 415' W/O RUDBECKIA CR	10832016	9500L	-117.289317875	33.9478721009	25	1491962
4057954E	CONCRETE	1988	ALCORN DRIVE W/S, 230' S/O WINDING ROAD	10832016	9500L	-117.287173413	33.9485392439	25	1491962
4057955E	CONCRETE	1988	ALCORN DR N/S, 460' W/O COLUMBO ST	10832016	9500L	-117.286182668	33.9484147135	25	1491962
4057981E	CONCRETE	1988	LEWISIA AVE E/S, 30' N/O TOWNSENDIA AVE	10832016	9500L	-117.291474024	33.9479460767	25	1491962
4057982E	CONCRETE	1988	TOWNSENDIA AVE S/S, 295' E/O LEWISIA AVE	10832016	9500L	-117.290594606	33.9481494704	25	1491962
4057988E	CONCRETE	1988	CLARK STREET W/S, 400' S/O TOWNSENDIA AVEN	10832016	9500L	-117.287791016	33.9484269187	25	1491962
4057993E	CONCRETE	1988	CLARK STREET W/S, 370' N/O BOX SPRINGS ROAD	10832016	9500L	-117.287801667	33.9475389475	25	1491962
4057994E	CONCRETE	1988	DOUGLASIS AVE W/S, 170' W/O SALIX AVE	10832016	9500L	-117.289909251	33.9478304193	25	1491962
4057995E	CONCRETE	1988	DOUGLASIS AVE E/S, 115' N/O LEWISIA AVE	10832016	9500L	-117.290155182	33.9473525028	25	1491962
4057996E	CONCRETE	1988	LEWISIA AVE S/S, 40' W/O DOUGLASIS CT	10832016	9500L	-117.290432067	33.9470440518	25	1491962
4057997E	CONCRETE	1988	LEWISIA AVE W/S, 165' S/O TOWNSENDIA AVE	10832016	9500L	-117.291168130	33.9474747568	25	1491962
4112111E	CONCRETE	1989	CLARK STREET E/S, 440' N/O BOX SPRINGS ROAD	10832016	9500L	-117.287655669	33.9479139747	25	1491962
4112112E	CONCRETE	1989	CLARK STREET E/S, 240' N/O BOX SPRINGS ROAD	10832016	9500L	-117.287644028	33.9472232972	25	1491962
4057956E	CONCRETE	1988	ALCORN DR S/S, 285' W/O COLUMBO ST	10832016	9500L	-117.285409742	33.9485510495	25	1491962
4057957E	CONCRETE	1988	COLUMBO STREET W/S, 30' N/O ALCORN DRIVE	10832016	9500L	-117.285043964	33.9488675626	25	1491962
4057959E	CONCRETE	1988	COLUMBO ST S/S, 360' S/O ALCORN DR	10832016	9500L	-117.284318282	33.9480354399	25	1491962
4057960E	CONCRETE	1988	COLUMBO STREET E/S, 170' S/O ALCORN DRIVE	10832016	9500L	-117.284572279	33.9484911766	25	1491962
2326910E	CONCRETE	1990	CALLE PRIMA N/S, 250' E/O YOLO STREET	10832016	9500L	-117.285948763	33.9502449300	25	1491962
2326911E	CONCRETE	1990	S/S CALLE PRIMA, 45' E/O YOLO	10832016	9500L	-117.286453606	33.9499443902	25	1491962
2326912E	CONCRETE	1990	N/S CALLE PRIMA, 170' W/O YOLO	10832016	9500L	-117.287180620	33.9499750928	25	1491962
2326916E	CONCRETE	1990	N/S CALLE MONACO, 240' E/O CLARK	10832016	9500L	-117.286960418	33.9507907581	25	1491962
2326917E	CONCRETE	1990	S/S CALLE MONACO, 40' E/O CLARK	10832016	9500L	-117.287614918	33.9506721578	25	1491962
2326918E	CONCRETE	1990	CALLE MONACO S/S, 450' E/O CLARK STREET	10832016	9500L	-117.286440924	33.9508388319	25	1491962
4057683E	CONCRETE	1988	TOWNSENDIA AVE N/S, 555' E/O LEWISIA AVE	10832016	9500L	-117.290260401	33.9484511967	25	1491962
4057906E	CONCRETE	1988	RUDBECKIA COURT N/S, 135' N/O SALIX AVENUE	10832016	9500L	-117.288304960	33.9482514659	25	1491962
4057951E	CONCRETE	1988	CLARK ST E/S, 30' S/O WINDING ROAD	10832016	9500L	-117.287649902	33.9490102277	25	1491962
4057952E	CONCRETE	1988	WINDING ROAD N/S, 220' E/O CLARK STREET	10832016	9500L	-117.287226919	33.9490953901	25	1491962
4057953E	CONCRETE	1988	WINDING ROAD S/S, 240' E/O ALCORN DRIVE	10832016	9500L	-117.286489574	33.9490678661	25	1491962
4057958E	CONCRETE	1988	WINDING RD N/S, 75' W/O COLUMBO ST	10832016	9500L	-117.285685664	33.9493923431	25	1491962
4057962E	CONCRETE	1988	WINDING RD S/S, 175' E/O COLUMBO ST	10832016	9500L	-117.284932591	33.9496734443	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4057970E	CONCRETE	1988	PALA FOXIA COURT S/S, 190' E/O LEWISIA AVENUE	10832016	9500L	-117.293088442	33.9495656446	25	1491962
4057972E	CONCRETE	1988	PALA FOXIA COURT N/S, 30' E/O LEWISIA AVENUE	10832016	9500L	-117.292354809	33.9496306190	25	1491962
4057973E	CONCRETE	1988	PALA FOXIA COURT S/S, 265' E/O LEWISIA AVENUE	10832016	9500L	-117.291822783	33.9495686648	25	1491962
4057974E	CONCRETE	1988	PALA PLACE N/S, 430' E/O LEWISIA AVENUE	10832016	9500L	-117.291238169	33.9497215223	25	1491962
4057975E	CONCRETE	1988	LEWISIA AVENUE E/S, 240' S/O PALA COURT	10832016	9500L	-117.292100015	33.9489523954	25	1491962
4057976E	CONCRETE	1988	LEWISIA AVE W/S, 30' W/O LILIUM CT	10832016	9500L	-117.291967366	33.9485188729	25	1491962
4057977E	CONCRETE	1988	LILIUM COURT S/S, 200' E/O LEWISIA AVENUE	10832016	9500L	-117.291259321	33.9487991083	25	1491962
4057978E	CONCRETE	1988	LILIUM COURT N/S, 410' E/O LEWISIA AVENUE	10832016	9500L	-117.290986360	33.9490303459	25	1491962
4057979E	CONCRETE	1988	LILIUM COURT S/S, 760' E/O LEWISIA AVENUE	10832016	9500L	-117.290113072	33.9494263324	25	1491962
4057980E	CONCRETE	1988	LILIUM COURT S/S, 590' E/O LEWISIA AVENUE	10832016	9500L	-117.290597315	33.9491245648	25	1491962
4057983E	CONCRETE	1988	TOWNSENDIA AVENUE N/S, 50' E/O CL/O SALIX AVENUE	10832016	9500L	-117.289917351	33.9486635573	25	1491962
4057985E	CONCRETE	1988	TOWNSENDIA AVENUE N/S, 270' W/O CLARK STREET	10832016	9500L	-117.288557539	33.9494402155	25	1491962
4057986E	CONCRETE	1988	MENTZELIA COURT E/S, 200' N/O TOWNSENDIA AVENUE	10832016	9500L	-117.288997630	33.9496995177	25	1491962
4057987E	CONCRETE	1988	CLARK STREET W/S, 40' S/O TOWNSENDIA AVENUE	10832016	9500L	-117.287819922	33.9494399757	25	1491962
4057998E	CONCRETE	1988	DOUGLASIS AVENUE E/S, 30' NO/ SALIX AVENUE	10832016	9500L	-117.289364156	33.9481081389	25	1491962
4057999E	CONCRETE	1988	DOUGLASIS AVENUE W/S, 260' N/O SALIX AVENUE	10832016	9500L	-117.289011197	33.9484848049	25	1491962
4058000E	CONCRETE	1988	DOUGLASIS AVENUE E/S, 435' N/O SALIX AVENUE	10832016	9500L	-117.288505208	33.9486636327	25	1491962
4063220E	CONCRETE	1990	SHAKDSPEARE COURT W/S, 220' N/O DICKINSON	10832016	9500L	-117.292644847	33.9512895469	25	1491962
4112745E	CONCRETE	1990	W/S FRANKHALE, 5' S/O WOOLF	10832016	9500L	-117.289878377	33.9520128828	25	1491962
4112746E	CONCRETE	1990	N/S WOOLF, 160' E/O FRANKHALE	10832016	9500L	-117.289331146	33.9521367018	25	1491962
4112747E	CONCRETE	1990	S/S WOOLF, 300' E/O FRANKHALE	10832016	9500L	-117.288870290	33.9520329369	25	1491962
4112750E	CONCRETE	1990	E/S SHAKESPEARE, 400' N/O DICKINSON	10832016	9500L	-117.292327675	33.9516832283	25	1491962
4113151E	CONCRETE	1990	W/S CLARK, 350' S/O DICKINSON	10832016	9500L	-117.287834590	33.9502666899	25	1491962
4113152E	CONCRETE	1990	W/S CLARK, 50' S/O DICKINSON	10832016	9500L	-117.287821465	33.9511574921	25	1491962
4113155E	CONCRETE	1990	N/S DICKINSON, 260' W/O CLARK	10832016	9500L	-117.288502297	33.9513158535	25	1491962
4113156E	CONCRETE	1990	S/S DICKINSON, 210' E/O FRANKHALE	10832016	9500L	-117.289094110	33.9512391336	25	1491962
4113157E	CONCRETE	1990	W/S FRANKHALE, 40' N/O DICKINSON	10832016	9500L	-117.289869546	33.9513928246	25	1491962
4113158E	CONCRETE	1990	DICKINSON S/S, 190' W/O FRANKHALE	10832016	9500L	-117.290340616	33.9511940210	25	1491962
4113159E	CONCRETE	1990	DICKINSON N/S, 260' E/O O'CASEY	10832016	9500L	-117.291100950	33.9508531751	25	1491962
4113160E	CONCRETE	1990	MARSTON W/S, 160' S/O DICKINSON	10832016	9500L	-117.290605174	33.9507120504	25	1491962
4113161E	CONCRETE	1990	MARSTON N/S, 340' S/O DICKINSON	10832016	9500L	-117.290270921	33.9505652020	25	1491962
4113162E	CONCRETE	1990	MARSTON S/S, 560' S/O DICKINSON	10832016	9500L	-117.289613556	33.9504531767	25	1491962
4113163E	CONCRETE	1990	EAST END OF MARSTON S/O DICKINSON	10832016	9500L	-117.288806119	33.9504881555	25	1491962
4113164E	CONCRETE	1990	DICKINSON ROAD S/S, 75' E/O O'CASEY COURT	10832016	9500L	-117.291474120	33.9505260268	25	1491962
4113165E	CONCRETE	1990	DICKINSON ROAD N/S, 120' W/O O'CASEY COURT	10832016	9500L	-117.292149897	33.9505650638	25	1491962
4113166E	CONCRETE	1990	O'CASEY COURT W/S, 160' N/O DICKINSON ROAD	10832016	9500L	-117.291800550	33.9509120259	25	1491962
4113167E	CONCRETE	1990	O'CASEY COURT E/S, 290' N/O DICKINSON ROAD	10832016	9500L	-117.291646084	33.9512878916	25	1491962
4113168E	CONCRETE	1990	W/S O'CASEY, 600' N/O DICKINSON	10832016	9500L	-117.291320367	33.9516935837	25	1491962
4113169E	CONCRETE	1990	N/E COR/O DICKINSON ROAD & SHAKESPEARE COURT	10832016	9500L	-117.292673174	33.9506673475	25	1491962
4113170E	CONCRETE	1990	DICKINSON ROAD S/S, 150' W/O SHAKESPEARE COURT	10832016	9500L	-117.293235169	33.9506216773	25	1491962
4224253E	CONCRETE	1992	DEL AMO STREET N/S, 150' W/O CALLE MANACO	10832016	9500L	-117.286594860	33.9517216644	25	1491962
4224254E	CONCRETE	1992	DEL AMO STREET N/S, 430' W/O CALLE MONACO	10832016	9500L	-117.287231193	33.9516126823	25	1491962
4224255E	CONCRETE	1992	E/S CLARK 210' S/O CALLE MONOCO	10832016	9500L	-117.287679873	33.9520489044	25	1491962
2326908E	CONCRETE	1990	ROWENA DRIVE N/S, 240' E/O CALLE PRIMA	10832016	9500L	-117.284743817	33.9506586083	25	1491962
2326909E	CONCRETE	1990	S/E COR/O CALLE PRIMA & ROWENA DRIVE	10832016	9500L	-117.285245949	33.9507277258	25	1491962
2326913E	CONCRETE	1990	CALLE PRIMA W/S, 40' S/O DEL AMO STREET	10832016	9500L	-117.285167480	33.9515402916	25	1491962
2326914E	CONCRETE	1990	DEL AMO STREET N/S, 155' E/O CALLE PRIMA	10832016	9500L	-117.284587914	33.9517168597	25	1491962
2326915E	CONCRETE	1990	DEL AMO STREET S/S, 400' E/O CALLE PRIMA	10832016	9500L	-117.283923163	33.9516162197	25	1491962
4057961E	CONCRETE	1988	WINDING RD N/S, 40' W/O PIMLICO WY	10832016	9500L	-117.283994754	33.9498569098	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4062047E	CONCRETE	1989	W/S PIMLICO, 45' S/O ROWENA	10832016	9500L	-117.283886639	33.9505070007	25	1491962
4062048E	CONCRETE	1989	NORTH END OF PIMLICO	10832016	9500L	-117.283891389	33.9509930809	25	1491962
4224251E	CONCRETE	1992	DEL AMO STREET S/S, 115' E/O CALLE MONOCO	10832016	9500L	-117.285695197	33.9517313433	25	1491962
4224252E	CONCRETE	1992	S/W COR/O CALLE MONOCO & DEL AMO STREET	10832016	9500L	-117.286129990	33.9515941893	25	1491962
4224266E	CONCRETE	1992	CALLE PRIMA E/S, 150' N/O DEL AMO STREET	10832016	9500L	-117.285050993	33.9521101297	25	1491962
4224556E	CONCRETE	1992	CASTILE CYN P/P 2300' W/O MCDERMOTT	10832016	9500L	-117.286196776	33.9522032966	40	1491962
4057905E	CONCRETE	1988	LEWISIA AVE N/S, 185' E/O DOUGLASSIS CT	10832016	22000L	-117.289685037	33.9471099556	25	1491960
2290001E	CONCRETE	1984	DAY ST W/S 200 N/O BOX SPRINGS	10832019	9500L	-117.279022624	33.9472915103	25	1491962
2290006E	CONCRETE	1984	GLEN VIEW DR E/END	10832019	9500L	-117.280045714	33.9470742653	25	1491962
2290007E	CONCRETE	1984	GLEN VIEW DR S/S 480 E/O PINECONE LN	10832019	9500L	-117.280603197	33.9470148106	25	1491962
2290008E	CONCRETE	1984	GLEN VIEW DR N/S 350 E/O PINECONE LN	10832019	9500L	-117.281022980	33.9471033047	25	1491962
2290009E	CONCRETE	1984	GLEN VIEW DR S/S 145 E/O PINECONE LN	10832019	9500L	-117.281873428	33.9470117310	25	1491962
2290010E	CONCRETE	1984	GLEN VIEW DR N/S AT PINECONE LN	10832019	9500L	-117.282234431	33.9470867804	25	1491962
2290011E	CONCRETE	1984	GLEN VIEW DR N/S 90 E/O WINDING RD	10832019	9500L	-117.283008335	33.9470975300	25	1491962
2290012E	CONCRETE	1984	SPRINGCREST DR S/S AT GOLDEN OAKS	10832019	9500L	-117.279623263	33.9477868586	25	1491962
2290013E	CONCRETE	1984	SPRINGCREST RD N/S 150 W/O GOLDEN OAKS	10832019	9500L	-117.280137022	33.9478716646	25	1491962
2290014E	CONCRETE	1984	SPRINGCREST RD S/S 350 W/O GOLDEN OAKS	10832019	9500L	-117.280714803	33.9477974777	25	1491962
2290015E	CONCRETE	1984	SPRINGCREST RD S/S 350 W/O GOLDEN OAKS	10832019	9500L	-117.281360634	33.9477788490	25	1491962
2290016E	CONCRETE	1984	SPRINGCREST RD S/S 130 E/O WINDING RD	10832019	9500L	-117.282139409	33.9478981654	25	1491962
2290017E	CONCRETE	1984	WINDING RD W/S 140 N/O GLENVIEW	10832019	9500L	-117.283251990	33.9475069373	25	1491962
2290018E	CONCRETE	1984	WINDING RD E/S 170 S/O SPRINGCREST RD	10832019	9500L	-117.282865314	33.9477866737	25	1491962
2290019E	CONCRETE	1984	WINDING RD W/S AT SPRINGCREST	10832019	9500L	-117.282483082	33.9481404375	25	1491962
2290020E	CONCRETE	1984	WINDING RD W/S AT OSPREY LN	10832019	9500L	-117.282096631	33.9485974961	25	1491962
2290021E	CONCRETE	1957	N/S OSPREY W/O GOLDEN	10832019	9500L	-117.280806390	33.9486383520	25	1491962
2290022E	CONCRETE	1957	S/S OSPREY LN E/O EDMONT ST	10832019	9500L	-117.281427420	33.9485437502	25	1491962
2290023E	CONCRETE	1984	GOLDEN OAKS DR E/S 140 N/O SPRINGCREST	10832019	9500L	-117.279510044	33.9482440689	25	1491962
2290024E	CONCRETE	1984	GOLDEN OAKS DR W/S 390 N/O SPRINGCREST	10832019	9500L	-117.279734532	33.9487250895	25	1491962
4063546E	CONCRETE	1988	S/S MONICO, 30' E/O DAY	10832019	9500L	-117.278872954	33.9470540260	25	1491962
4063547E	CONCRETE	1988	N/S MONICO, 270' E/O DAY	10832019	9500L	-117.278183121	33.9471313536	25	1491962
4063548E	CONCRETE	1988	S/S MONICO, 480' E/O DAY	10832019	9500L	-117.277789550	33.9470505787	25	1491962
4063549E	CONCRETE	1988	S/S SPRING CREST, 30' E/O DAY	10832019	9500L	-117.278860234	33.9477349627	25	1491962
4064162E	CONCRETE	1989	E/S ATHENS, 250' N/O IRONWOOD	10832019	9500L	-117.276355202	33.9471687305	25	1491962
4064163E	CONCRETE	1989	W/S ATHENS, 490' N/O IRONWOOD	10832019	9500L	-117.276499889	33.9478010446	25	1491962
4064164E	CONCRETE	1989	S/S SPRING CREST, 230' W/O ATHENS	10832019	9500L	-117.277104475	33.9479235672	25	1491962
4064165E	CONCRETE	1989	N/S SPRING CREST, 420' W/O ATHENS	10832019	9500L	-117.277645528	33.9479923888	25	1491962
4064166E	CONCRETE	1989	W/S CONSTANTINE, 120' N/O SPRING CREST	10832019	9500L	-117.278449849	33.9481756657	25	1491962
2290025E	CONCRETE	1984	GOLDEN OAKS DR N/S 360 E/O BLACKHAWK	10832019	9500L	-117.280251453	33.9493336008	25	1491962
2290027E	CONCRETE	1984	GOLDEN OAKS S/S AT BLACK HAWK	10832019	9500L	-117.281449182	33.9493156360	25	1491962
2290028E	CONCRETE	1957	W/S BLACK HAWK N/O GOLDEN OAKS	10832019	9500L	-117.281314452	33.9497236798	25	1491962
2290029E	CONCRETE	1957	E/O BLACK HAWK N/O GOLDEN OAKS	10832019	9500L	-117.280948515	33.9500817140	25	1491962
2290030E	CONCRETE	1957	S/O GOLDEN OAKS E/O BLACK HAWK LN	10832019	9500L	-117.280627047	33.9505125370	25	1491962
2290031E	CONCRETE	1957	S/O GOLDEN OAKS W/O WINDING RD	10832019	9500L	-117.282275864	33.9492317588	25	1491962
2290032E	CONCRETE	1957	C/O WINDING RD W/S C/L BLD EAGLE	10832019	9500L	-117.282648102	33.9495375140	25	1491962
2290033E	CONCRETE	1957	W/S BLD EAGLE N/O GOLDEN OAKS	10832019	9500L	-117.282419370	33.9499046220	25	1491962
2290034E	CONCRETE	1957	W/S BLD EAGLE N/O WINDING RD	10832019	9500L	-117.282111274	33.9503427721	25	1491962
2290035E	CONCRETE	1957	E/O BLD EAGLE N/O WINDING RD	10832019	9500L	-117.281670311	33.9506780414	25	1491962
2290036E	CONCRETE	1957	N/O WINDING RD W/O BALD EAGLE	10832019	9500L	-117.283126972	33.9498152188	25	1491962
4064167E	CONCRETE	1989	S/S NAPLES, 60' E/O CONSTANTINE	10832019	9500L	-117.278249452	33.9487996406	25	1491962
4064168E	CONCRETE	1989	W/S CONSTANTINE, 140' N/O NAPLES	10832019	9500L	-117.278487689	33.9491630990	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4064169E	CONCRETE	1989	N/S NAPLES, 220' E/O CONSTANTINE	10832019	9500L	-117.277732333	33.9488919670	25	1491962
4064170E	CONCRETE	1989	S/S NAPLES, 420' E/O CONSTANTINE	10832019	9500L	-117.277028562	33.9487805756	25	1491962
4063219E	CONCRETE	1989	S/S SCARLET SAGE, 280' W/O BARCLAY	10832019	9500L	-117.273592019	33.9492146317	25	1491962
4064171E	CONCRETE	1989	N/S NAPLES, 60' E/O ATHENS	10832019	9500L	-117.276296234	33.9488639562	25	1491962
4064172E	CONCRETE	1989	S/S NAPLES, 250' E/O ATHENS	10832019	9500L	-117.275667951	33.9487953923	25	1491962
4064173E	CONCRETE	1989	N/S NAPLES, 450' E/O ATHENS	10832019	9500L	-117.274978943	33.9488317658	25	1491962
4064174E	CONCRETE	1989	S/S NAPLES, 660' E/O ATHENS	10832019	9500L	-117.274550200	33.9484878535	25	1491962
4064175E	CONCRETE	1989	N/S NAPLES, 850' E/O ATHENS	10832019	9500L	-117.273910571	33.9482417604	25	1491962
4329983E	CONCRETE	1999	GOLDEN OAKS DR N/S 170' E/O BLACK HAWK	10832019	9500L	-117.280926545	33.9494091133	27	1491962
2315491E	CONCRETE	1985	YELLOW IRIS, W/S, COR/O WILD GERANIUM	10832022	9500L	-117.266326747	33.9480658607	25	1491962
2315496E	CONCRETE	1985	CLIMBING ROSE, E/S, COR/O YELLOW IRIS	10832022	9500L	-117.266995702	33.9485853042	25	1491962
2347643E	CONCRETE	1987	CLIMBING ROSE, W/S, 260' N/O SCARLET SAGE	10832022	9500L	-117.267490550	33.9482964339	25	1491962
2347644E	CONCRETE	1987	CLIMBING ROSE, E/S, COR/O SCARLET SAGE	10832022	9500L	-117.268103560	33.9477686897	25	1491962
2347645E	CONCRETE	1987	CLIMBING ROSE, E/S, 210' S/O SCARLET SAGE	10832022	9500L	-117.268507982	33.9473844014	25	1491962
2347646E	CONCRETE	1987	CLIMBING ROSE, E/S, 425' N/O HERITAGE DR	10832022	9500L	-117.269167129	33.9472019985	25	1491962
2347647E	CONCRETE	1987	CLIMBING ROSE, E/S, 230' N/O HERITAGE DR	10832022	9500L	-117.270006232	33.9471521620	25	1491962
4063203E	CONCRETE	1989	S/S CLIMBING ROSE, 15' W/O ROJA	10832022	9500L	-117.272386877	33.9472113260	25	1491962
4063204E	CONCRETE	1989	N/S CLIMBING ROSE, 220' E/O ROJA	10832022	9500L	-117.271516268	33.9471955736	25	1491962
4063205E	CONCRETE	1989	S/S CLIMBING ROSE, 470' E/O ROJA	10832022	9500L	-117.270990919	33.9471653017	25	1491962
4063206E	CONCRETE	1989	E/S ROJA, 200' N/O CLIMBING ROSE	10832022	9500L	-117.272140376	33.9476122365	25	1491962
4063207E	CONCRETE	1989	W/S ROJA, 15' N/O NARANJA	10832022	9500L	-117.272002635	33.9481822805	25	1491962
4063208E	CONCRETE	1989	N/S NARANJA, 220' E/O ROJA	10832022	9500L	-117.271196052	33.9480720915	25	1491962
4063209E	CONCRETE	1989	S/S NARANJA, 500' E/O ROJA	10832022	9500L	-117.270504988	33.9479688886	25	1491962
4063210E	CONCRETE	1989	N/S NARANJA, 740' E/O ROJA	10832022	9500L	-117.269491993	33.9479113655	25	1491962
4063211E	CONCRETE	1989	S/S NARANJA, 80' N/O IRONWOOD	10832022	9500L	-117.269109072	33.9474281275	25	1491962
4063212E	CONCRETE	1989	N/S SCARLET SAGE, 80' N/O IRONWOOD	10832022	9500L	-117.268267960	33.9481083454	25	1491962
4063213E	CONCRETE	1989	S/S SCARLET SAGE, 410' N/O IRONWOOD	10832022	9500L	-117.269036423	33.9485809875	25	1491962
4063215E	CONCRETE	1989	S/S SCARLET SAGE, 420' E/O ROJA	10832022	9500L	-117.270587616	33.9488893232	25	1491962
4063217E	CONCRETE	1989	S/S SCARLET SAGE, 60' W/O ROJA	10832022	9500L	-117.272070834	33.9488857338	25	1491962
4063221E	CONCRETE	1989	E/S BARCLAY, 200' S/O SCARLET SAGE	10832022	9500L	-117.272761104	33.9483749910	25	1491962
4063222E	CONCRETE	1989	E/S BARCLAY, 150' N/O CLIMBING ROSE	10832022	9500L	-117.273254741	33.9475857889	25	1491962
4064176E	CONCRETE	1989	W/S BARCLAY, 60' S/O NAPLES	10832022	9500L	-117.273230358	33.9478574826	25	1491962
2315483E	CONCRETE	1985	MEDLEY DR, W/S, 55' S/O CATMINT CIR	10832022	9500L	-117.263731701	33.9478916515	25	1491962
2315484E	CONCRETE	1985	CATMINT CIR, N/S, 110' W/O MEDLEY DR	10832022	9500L	-117.263972532	33.9480593673	25	1491962
2315485E	CONCRETE	1985	CATMINT CIR, S/S 315' W/O MEDLEY DR	10832022	9500L	-117.264776942	33.9479611277	25	1491962
2315486E	CONCRETE	1985	MEDLY DR, S/W COR/O WILD GERANIUM LN	10832022	9500L	-117.263833432	33.9489959347	25	1491962
2315487E	CONCRETE	1985	WILD GERANIUM LN, N/S, 75' W/O MEDLEY DR	10832022	9500L	-117.264227426	33.9490474273	25	1491962
2315488E	CONCRETE	1985	WILD GERANIUM LN, S/S, 310' W/O MEDLEY DR	10832022	9500L	-117.264977208	33.9487732476	25	1491962
2315489E	CONCRETE	1985	WILD GERANIUM LN, N/S, 360' E/O YELLOW IRIS	10832022	9500L	-117.265565871	33.9486761876	25	1491962
2315490E	CONCRETE	1985	WILD GERANIUM LN, S/S 140' E/O YELLOW IRIS	10832022	9500L	-117.265883494	33.9483556932	25	1491962
2315492E	CONCRETE	1985	YELLOW IRIS, E/S, 195' N/O WHITE LILY CIR	10832022	9500L	-117.265883195	33.9477277304	25	1491962
2315497E	CONCRETE	1985	CLIMBING ROSE, E/S, COR/O CHAOMILE CIR.	10832022	9500L	-117.266274720	33.9491251617	25	1491962
4064152E	CONCRETE	1990	E/S MEDLEY, 290' N/O IRONWOOD	10832022	9500L	-117.263584560	33.9474054199	25	1491962
4064153E	CONCRETE	1990	E/S MEDLEY, 681' N/O IRONWOOD	10832022	9500L	-117.263607082	33.9485248592	25	1491962
4063214E	CONCRETE	1989	N/S SCARLET SAGE, 710' N/O IRONWOOD	10832022	9500L	-117.269814007	33.9489207562	25	1491962
4063216E	CONCRETE	1989	N/S SCARLET SAGE, 190' E/O ROJA	10832022	9500L	-117.271201104	33.9488904223	25	1491962
2315498E	CONCRETE	1985	CHAOMILE CIR, S/S, 150' W/O CLIMBLING ROSE	10832022	9500L	-117.266695898	33.9494425302	25	1491962
2347697E	CONCRETE	1986	STAR JASMINE CIR, W/S, 155' N/O TEA ROSE LN	10832022	9500L	-117.266407177	33.9505701003	25	1491962
2347698E	CONCRETE	1986	TEA ROSE LN, S/S, 100' E/O CHAOMILE CIR	10832022	9500L	-117.266617439	33.9499560264	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2347699E	CONCRETE	1986	CHAMOMILE CIR, N/E COR/O TEA ROSE LN	10832022	9500L	-117.266983112	33.9498487813	25	1491962
2347700E	CONCRETE	1986	CHAMOMILE CIR, W/S, 230' N/O TEA ROSE LN	10832022	9500L	-117.267637710	33.9503079277	25	1491962
4063218E	CONCRETE	1989	N/S SCARLET SAGE, 10' E/O BARCLAY	10832022	9500L	-117.272690178	33.9490006784	25	1491962
2315351E	CONCRETE	1985	CLIMBING ROSE DR, S/S, 400' W/O MEDLEY DR	10832022	9500L	-117.265356706	33.9495763639	25	1491962
2315499E	CONCRETE	1985	CLIMBING ROSE DR, N/S, 580' W/O MEDLEY DR	10832022	9500L	-117.265969479	33.9494223417	25	1491962
2343455E	CONCRETE	1985	CLIMBING ROSE DR S/S 214' W/O MEDLY	10832022	9500L	-117.264617470	33.9497831822	25	1491962
2343456E	CONCRETE	1985	CLIMBING ROSE DR S/S 36' W/O MEDLY	10832022	9500L	-117.264145654	33.9499485539	25	1491962
2347688E	CONCRETE	1986	TEA ROSE LN, N/S, 260' W/O BLUE LUPIN	10832022	9500L	-117.264075174	33.9508381203	25	1491962
2347689E	CONCRETE	1986	TEA ROSE LN, S/S, 140' E/O SNAPDRAGON LN	10832022	9500L	-117.264695431	33.9506706396	25	1491962
2347691E	CONCRETE	1986	CATTAIL LN, S/S, 185' E/O SNAPDRAGON LN	10832022	9500L	-117.264853532	33.9514910315	25	1491962
2347692E	CONCRETE	1986	CATTAIL LN, N/S, COR/O SNAPDRAGON LN	10832022	9500L	-117.265432992	33.9514638540	25	1491962
2347694E	CONCRETE	1986	SNAPDRAGON LN, W/S, 170' N/O TEA ROSE LN	10832022	9500L	-117.265429371	33.9511026251	25	1491962
2347695E	CONCRETE	1986	TEA ROSE LN, N/W COR/O SNAPDRAGON LN	10832022	9500L	-117.265281020	33.9506617323	25	1491962
2347696E	CONCRETE	1986	TEA ROSE LN, S/S, COR/O STAR JASMINE CIR	10832022	9500L	-117.266099442	33.9502677534	25	1491962
2361320E	CONCRETE	1987	CATTAIL LN, 500' W/O BLUE LUPIN	10832022	9500L	-117.264022177	33.9517058305	25	1491962
2381413E	CONCRETE	1989	E/S MEDLEY, 60' S/O CLIMBING ROSE	10832022	9500L	-117.263805814	33.9497411577	25	1491962
2315640E	CONCRETE	1985	YELLOW IRIS WY, E/S, 162' N/O WILD GERANIUM	10832022	22000L	-117.266644646	33.9484662463	25	1491960
2289140E	CONCRETE	1985	'B' ST, S/S, 90' W/O 'C' ST	10832025	9500L	-117.257541374	33.9489154678	25	1491962
2307389E	CONCRETE	1985	'C' ST, W/S, 185' N/O 'D' ST	10832025	9500L	-117.257306258	33.9475590449	25	1491962
2307390E	CONCRETE	1985	'C' ST, E/S, 240' S/O 'B' ST	10832025	9500L	-117.257154092	33.9482931169	25	1491962
2307391E	CONCRETE	1985	'C' ST, W/S, COR/O 'B' ST	10832025	9500L	-117.257341965	33.9489063519	25	1491962
2344868E	CONCRETE	1986	MANSFIELD LN, S/S, 45' E/O CARLISLE CT	10832025	9500L	-117.259035982	33.9489027863	25	1491962
2344876E	CONCRETE	1987	SEABROOK LN S/S, 250' W/O CL/O COLLINGSWOC	10832025	9500L	-117.260932090	33.9480604781	25	1491962
2344878E	CONCRETE	1987	MANSFIELD LN S/S, 173' W/O CL/O COLLINGSWOC	10832025	9500L	-117.260716821	33.9488986072	25	1491962
2352065E	CONCRETE	1986	ALBION WY, E/S, 125' N/O FALL RIVER RD	10832025	9500L	-117.258146891	33.9474426708	25	1491962
2352066E	CONCRETE	1986	ALBION WY, W/S, 340' N/O FALL RIVER RD	10832025	9500L	-117.258279891	33.9479607201	25	1491962
2352068E	CONCRETE	1986	HARTLAND PL, E/S, 310' N/O FALL RIVER RD	10832025	9500L	-117.259047906	33.9479481996	25	1491962
2352069E	CONCRETE	1986	HARTLAND PL, W/S, 125' N/O FALL RIVER RD	10832025	9500L	-117.259173589	33.9474417443	25	1491962
2352072E	CONCRETE	1986	COLLINGSWOOD DR, E/S, 140' N/O FALL RIVER RD	10832025	9500L	-117.260067271	33.9474965383	25	1491962
2352073E	CONCRETE	1986	COLLINGSWOOD DR, E/S, COR/O SEABROOK LN	10832025	9500L	-117.260051863	33.9480864524	25	1491962
2352074E	CONCRETE	1986	COLLINGSWOOD DR, E/S, 170' N/O SEABROOK LN	10832025	9500L	-117.260052711	33.9485265358	25	1491962
4064154E	CONCRETE	1990	W/S PIGEON PASS, 728' N/O IRONWOOD	10832025	22000L	-117.261682831	33.9485092719	25	1491962
4064155E	CONCRETE	1990	W/S PIGEON PASS, 260' N/O IRONWOOD	10832025	9500L	-117.261657354	33.9473378440	25	1491962
2290170E	CONCRETE	1984	SUGAR CREEK W/S 200 N/O SEAFARER	10832025	9500L	-117.255467180	33.9477231710	25	1491962
2290172E	CONCRETE	1984	ASLYN E/S 350 N/O SEAFARER	10832025	9500L	-117.253690728	33.9480114782	25	1491962
2290173E	CONCRETE	1984	SANDAY GLEN S/S 200 W/O GRAHAM	10832025	9500L	-117.253691126	33.9491580867	25	1491962
2290175E	CONCRETE	1984	HONEY POT E/S 180 SEAFARER	10832025	9500L	-117.254558109	33.9476219230	25	1491962
2290176E	CONCRETE	1984	HONEY POT W/S 380 N/O SEAFARER	10832025	9500L	-117.254659626	33.9482645699	25	1491962
2290177E	CONCRETE	1984	HONEY POT E/S BREEZY WAY	10832025	9500L	-117.254841191	33.9488425860	25	1491962
2290182E	CONCRETE	1984	SWEETSPICE W/S 400 N/O IRONWOOD	10832025	9500L	-117.256369673	33.9476028722	25	1491962
2290183E	CONCRETE	1984	BREEZY WY S/S 20 E/O SWEET SPICE	10832025	9500L	-117.256197049	33.9485656355	25	1491962
2290184E	CONCRETE	1984	BREEZY WY N/S 200 E/O SWEET SPICE	10832025	9500L	-117.255463696	33.9487157428	25	1491962
2227741E	CONCRETE	1981	SWAN ST N/S 50' W/O KIWI ST	10832025	9500L	-117.259468385	33.9520565621	25	1491962
2227744E	CONCRETE	1981	KIWI CT E/S 145' N/O SWAN ST	10832025	9500L	-117.259330328	33.9524306759	25	1491962
2227745E	CONCRETE	1981	SWAN ST N/S 120' E/O KIWI ST	10832025	9500L	-117.258844926	33.9520729311	25	1491962
2227746E	CONCRETE	1981	SWAN ST N/S 50' E/O PARRAKEET CIR.	10832025	9500L	-117.258324978	33.9520472565	25	1491962
2227749E	CONCRETE	1981	PARRAKEET CIR. E/S 100' N/O SWAN ST	10832025	9500L	-117.258363742	33.9523430179	25	1491962
2227750E	CONCRETE	1981	SWAN ST N/S 140' E/O PARRAKEET CIR.	10832025	9500L	-117.257844299	33.9520474989	25	1491962
2286853E	CONCRETE	1984	BOBLINK W/S 160' N/O SWAN	10832025	9500L	-117.257606748	33.9525101830	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2290390E	CONCRETE	1984	SWAN ST 25 W/O BOBLINK LN	10832025	22000L	-117.257358008	33.9520598304	30	1491962
2307392E	CONCRETE	1985	'C' ST, E/S, 165' N/O 'B' ST	10832025	9500L	-117.257194384	33.9494091153	25	1491962
2307393E	CONCRETE	1985	'C' ST, W/S, 300' N/O 'B' ST	10832025	9500L	-117.257351755	33.9498511163	25	1491962
2315354E	CONCRETE	1985	CLIMBING ROSE N/S 10' W/O BLUE LUPIN	10832025	9500L	-117.263291627	33.9499695420	25	1491962
2315355E	CONCRETE	1985	BLUE LUPIN LN, E/S, 150' N/O CLIMBING ROSE	10832025	9500L	-117.263151637	33.9503532575	25	1491962
2315356E	CONCRETE	1985	CLIMBING ROSE, N/S, COR/O COUNTRY FLOWER	10832025	9500L	-117.262259034	33.9498582317	25	1491962
2315357E	CONCRETE	1985	COUNTRY FLOWER LN, E/S, 170' N/O CLIMBING R	10832025	9500L	-117.262127814	33.9503872659	25	1491962
2315358E	CONCRETE	1957	W/S COUNTRY FLOWER LN S/O GOLDEN EYE LN	10832025	9500L	-117.262248449	33.9506917683	30	1491962
2315359E	CONCRETE	1985	CLIMBING ROSE DR, N/S 70' W/O PIGEON PASS	10832025	9500L	-117.261849208	33.9497993008	25	1491962
2344865E	CONCRETE	1986	MANSFIELD LN, N/W COR/O KETTERING CT	10832025	9500L	-117.258357147	33.9489887537	25	1491962
2344866E	CONCRETE	1986	KETTERING CT, E/S, 135' N/O MANSFIELD LN	10832025	9500L	-117.258186443	33.9493451719	25	1491962
2344867E	CONCRETE	1986	KETTERING CT, W/S, 290' N/O MANSFIELD LN	10832025	9500L	-117.258322060	33.9497661469	25	1491962
2344869E	CONCRETE	1957	W/S CARLISLE, N/O MANSFIELD	10832025	9500L	-117.259222607	33.9492782415	26	1491962
2344870E	CONCRETE	1986	CARLISLE CT, E/S, 300' N/O MANSFIELD LN	10832025	9500L	-117.259103992	33.9497692084	25	1491962
2344871E	CONCRETE	1986	MANSFIELD LN, S/S, 135' E/O COLLINGSWOOD	10832025	9500L	-117.259609345	33.9489701782	25	1491962
2347682E	CONCRETE	1987	COUNTRY FLOWER LN, E/S, 245' E/O BLUE LUPIN	10832025	9500L	-117.262110831	33.9512876836	25	1491962
2347683E	CONCRETE	1987	COUNTRY FLOWER LN, E/S, 115' E/O BLUE LUPIN	10832025	9500L	-117.262099145	33.9517683093	25	1491962
2347684E	CONCRETE	1987	BLUE LUPIN LN, E/S, 165' N/O COUNTRY FLWR	10832025	9500L	-117.262261031	33.9522978997	25	1491962
2347685E	CONCRETE	1987	BLUE LUPIN LN, W/S, COR/O COUNTRY FLOWER	10832025	9500L	-117.262609942	33.9519740903	25	1491962
2347686E	CONCRETE	1987	BLUE LUPIN LN, E/S, COR/O CATTAIL LN	10832025	9500L	-117.262914550	33.9513842210	25	1491962
2347687E	CONCRETE	1987	BLUE LUPIN LN, N/W COR/O TEA ROSE LN	10832025	9500L	-117.263273026	33.9508328806	25	1491962
2347693E	CONCRETE	1986	CATTAIL LN, S/W COR/O BLUE LUPIN	10832025	9500L	-117.263077614	33.9513721091	25	1491962
2352075E	CONCRETE	1986	COLLINGSWOOD DR E/S 10' N/O MANSFIELD	10832025	9500L	-117.260063665	33.9490139009	25	1491962
2352076E	CONCRETE	1994	COLLINGSWOOD DR E/S 60'S/O GOLDEN EYE	10832025	9500L	-117.260065352	33.9501822402	25	1491962
2357888E	CONCRETE	1987	LAMBOURN CT N/S, 172' W/O CL/O COLLINGSWO	10832025	9500L	-117.260815091	33.9498247565	25	1491962
2357889E	CONCRETE	1987	COLLINGSWOOD DR W/S, 38' S/O CL/O LAMBOUR	10832025	9500L	-117.260171245	33.9495573657	25	1491962
2381412E	CONCRETE	1989	S/S CLIMBING ROSE, 300' E/O MEDLEY	10832025	9500L	-117.262866758	33.9498389040	25	1491962
4062801E	CONCRETE	1988	BOBOLINK LN W/S, 270' S/O SWAN ST	10832025	9500L	-117.257551036	33.9514555299	25	1491962
4062802E	CONCRETE	1988	BOBOLINK LN E/S, 30' E/O GOLDEN EYE LN	10832025	9500L	-117.257423938	33.9506647881	25	1491962
4062803E	CONCRETE	1988	GOLDEN EYE LN S/S, 30' S/O CANVASBACK CR	10832025	9500L	-117.258287221	33.9505794230	25	1491962
4062804E	CONCRETE	1988	CANVASBACK CR N/S, 370' N/O GOLDEN EYE LN	10832025	9500L	-117.258492714	33.9517439981	25	1491962
4062805E	CONCRETE	1988	CANVASBACK CR E/S, 210' N/O GOLDEN EYE LN	10832025	9500L	-117.258435530	33.9512542877	25	1491962
4062806E	CONCRETE	1988	GOLDEN EYE LN N/S, 45' E/O PINTAIL CT	10832025	9500L	-117.259243179	33.9506587882	25	1491962
4062807E	CONCRETE	1988	PINTAIL CT W/S, 252' N/O GOLDEN EYE LN	10832025	9500L	-117.259531150	33.9512889775	25	1491962
4062808E	CONCRETE	1988	PINTAIL CT N/S, 170' S/O SWAN ST	10832025	9500L	-117.259880208	33.9515630294	25	1491962
4062809E	CONCRETE	1988	GOLDEN EYE LN S/S, 45' E/O COLLINGSWOOD DR	10832025	9500L	-117.260037740	33.9505713944	25	1491962
4062810E	CONCRETE	1988	GOLDEN EYE LN W/S, 213' W/O COLLINGSWOOD	10832025	9500L	-117.260600577	33.9506126866	25	1491962
2290164E	CONCRETE	1984	WOODLANDER S/S 340 W/O GRAHAM	10832025	9500L	-117.254020957	33.9498750104	25	1491962
2290174E	CONCRETE	1984	SANDYGLEN N/S 380 W/O GRAHAM	10832025	9500L	-117.254192773	33.9492471183	25	1491962
2290178E	CONCRETE	1984	HONEY POT W/S 20 N/O ELFIN	10832025	9500L	-117.255203773	33.9493909770	25	1491962
2290185E	CONCRETE	1984	ELFIN PL S/S 200 W/O HONEY POT	10832025	9500L	-117.255882145	33.9493061772	25	1491962
2290186E	CONCRETE	1984	ELFIN PL S/S 380 W/O HONEY POT	10832025	9500L	-117.256439386	33.9493465594	25	1491962
2290396E	CONCRETE	1984	WOODPECKER PATH S/S 400 S/O BOBLINK	10832025	9500L	-117.256512410	33.9525100545	25	1491962
2290397E	CONCRETE	1984	SWAN ST 350 E/O BOBLINK LN	10832025	9500L	-117.256308907	33.9520365016	30	1491962
2292510E	CONCRETE	1984	HONEY HOLLOW E/S 15' N/O SWAN	10832025	9500L	-117.255211770	33.9520697497	25	1491962
2292511E	CONCRETE	1984	HONEY HOLLOW E/S 180' N/O SWAN ST	10832025	9500L	-117.255201757	33.9524268557	25	1491962
2292512E	CONCRETE	1984	WOODPECKER PATH, N/S W/O HONEY HOLLOW	10832025	9500L	-117.255790970	33.9526122643	25	1491962
2292513E	CONCRETE	1984	HONEY HOLLOW W/S 135' N/O WOODPECKER PA	10832025	9500L	-117.255194197	33.9528194355	25	1491962
2292520E	CONCRETE	1984	SWAN ST N/S 95' W/O HONEY HOLLOW	10832025	9500L	-117.255576629	33.9520439449	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2309377E	CONCRETE	1985	HUMMINGBIRD PL, W/S, 175' N/O RHEA DR	10832025	9500L	-117.254323662	33.9511424188	25	1491962
2309378E	CONCRETE	1985	RHEA DR, S/W COR/O HUMMINGBIRD PL	10832025	9500L	-117.254238152	33.9506416874	25	1491962
2309379E	CONCRETE	1985	RHEA DR, N/S, 125' E/O HUMMINGBIRD PL	10832025	9500L	-117.253811875	33.9506949941	25	1491962
2339663E	CONCRETE	1957	E/S HONEY ST S/O SWAN ST	10832025	9500L	-117.255105223	33.9515811815	30	1491962
2339664E	CONCRETE	1957	E/S HONEY N/O WOODLANDER WY	10832025	9500L	-117.255119854	33.9510160571	30	1491962
2339665E	CONCRETE	1957	E/S HONEY ST N/O WOODLANDER WY	10832025	9500L	-117.255081982	33.9503875381	30	1491962
2339666E	CONCRETE	1957	CORNER OF SWAN ST & HUMMINGBIRD PL N/S	10832025	9500L	-117.254276133	33.9521375872	30	1491962
2339669E	CONCRETE	1957	E/S HUMMINGBIRD PL S/O SWAN ST	10832025	9500L	-117.254223441	33.9518742069	30	1491962
2339670E	CONCRETE	1957	S/S SWAN ST W/O HUMMINGBIRD PL	10832025	9500L	-117.254525682	33.9519962306	30	1491962
2344875E	CONCRETE	1987	PIGEON PASS RD E/S, 112' S/O CL/O SEABROOK	10832025	22000L	-117.261529297	33.9478398987	29	1491960
2344877E	CONCRETE	1987	PIGEON PASS RD E/S, 58' N/O CL/O SEABROOK	10832025	22000L	-117.261534660	33.9481975373	29	1491960
2227739E	CONCRETE	1981	PIGEON PASS RD E/S 255' N/O SWAN ST	10832025	22000L	-117.260146321	33.9527187074	25	1491960
2290165E	CONCRETE	1984	HONEY POT E/S 20 N/O WOODLANDER	10832025	22000L	-117.254792692	33.9499591674	25	1491960
4653296E	CONCRETE	2006	PIGEON PASS RD W/S, 252' N/O SWAN ST	10832025	22000L	-117.260291974	33.9527004007	32	1491960
4653298E	CONCRETE	2006	BLUE JAY CT W/S, 48' S/O SWAN ST	10832025	9500L	-117.261146442	33.9520694935	27	1491962
4653299E	CONCRETE	2006	BLUE JAY CT W/S, 163' N/O SWAN ST	10832025	9500L	-117.261009845	33.9525765757	27	1491962
4710770E	CONCRETE	2010	PIGEON PASS ROAD E/S N/O SEABROOK LANE	10832025	22000L	-117.261253487	33.9500529560	32	1491960
4697381E	CONCRETE	2010	PIEGON PASS ROAD E/S, S/O SWAN STREET	10832025	22000L	-117.260736457	33.9511376427	32	1491960
4697384E	CONCRETE	2010	PIGEON PASS ROAD W/S S/O SWAN STREET	10832025	22000L	-117.261128035	33.9506476548	32	1491960
4697385E	CONCRETE	2010	PIGEON PASS ROAD W/S S/O SWAN STREET	10832025	22000L	-117.260880103	33.9511266868	32	1491960
4697386E	CONCRETE	2010	PIGEON PASS ROAD W/S S/O SWAN STREET	10832025	22000L	-117.260635378	33.9516629494	32	1491960
4697387E	CONCRETE	2010	PIGEON PASS ROAD E/S S/O SWAN STREET	10832025	22000L	-117.260486287	33.9516243799	32	1491960
4697380E	CONCRETE	2010	PIGEON PASS ROAD W/S, N/O SEABROOK LANE	10832025	22000L	-117.261660384	33.9490381804	32	1491960
4697383E	CONCRETE	2010	PIGEON PASS ROAD W/S, S/O SWAN STREET	10832025	22000L	-117.261403329	33.9500458733	32	1491960
5697382E	CONCRETE	2010	PIGEON PASS E/S, S/O SWAN STREET	10832025	22000L	-117.260964868	33.9506651214	32	1491960
4697379E	CONCRETE	2010	PIEGON PASS ROAD E/S, N/O IRONWOOD AVENU	10832025	22000L	-117.261478547	33.9490203868	32	1491960
4697378E	CONCRETE	2010	PIEGON PASS ROAD E/S, N/O IRONWOOD AVENU	10832025	22000L	-117.261530556	33.9486082409	32	1491960
2290152E	CONCRETE	1984	WILD FLAX W/S 150 S/O HAVENWOOD	10832028	9500L	-117.252119674	33.9479976332	25	1491962
2290153E	CONCRETE	1984	WILD FLAX E/S HAVENWOOD	10832028	9500L	-117.251974811	33.9483600046	25	1491962
2290154E	CONCRETE	1984	BLOOMING MEADOWS S/S 20 E/O WILD FLAX	10832028	9500L	-117.251947343	33.9491110429	25	1491962
2290158E	CONCRETE	1984	GRAHAM E/S 220 N/O SEAFARER	10832028	9500L	-117.252816444	33.9476973156	25	1491962
2290160E	CONCRETE	1984	GRAHAM W/S 20 S/O SANDY GLEN	10832028	9500L	-117.252992799	33.9491275757	25	1491962
2290457E	CONCRETE	1984	MEADOW WOOD W/S 20 S/O CINNAMON CR	10832028	9500L	-117.250455387	33.9477373574	25	1491962
2290458E	CONCRETE	1984	CINNAMON CR N/S 200 W/O MEADOW WOOD	10832028	9500L	-117.250983599	33.9478621830	25	1491962
2290459E	CONCRETE	1984	MEADOW WOOD W/S 20 S/O CANDLE SHOE	10832028	9500L	-117.250468559	33.9484173923	25	1491962
2290460E	CONCRETE	1984	CANDLE SHOE N/S 200 W/O MEADOW WOOD	10832028	9500L	-117.251163538	33.9485197108	25	1491962
2290461E	CONCRETE	1984	BAYLESS W/S 300 N/O IRONWOOD	10832028	9500L	-117.249510493	33.9477608352	25	1491962
2290462E	CONCRETE	1984	BAYLESS E/S 550 N/O IRONWOOD	10832028	9500L	-117.249332223	33.9483649480	25	1491962
2290463E	CONCRETE	1984	BLOOMING MEADOW S/S 20 W/O BAYLESS	10832028	9500L	-117.249454685	33.9491387024	25	1491962
2290464E	CONCRETE	1984	BLOOMING MEADOW N/S 200 W/O BAYLESS	10832028	9500L	-117.250225631	33.9492294354	25	1491962
2290465E	CONCRETE	1984	BLOOMING MEADOW S/S BRIAR KNOLL EXT	10832028	9500L	-117.251173007	33.9491407439	25	1491962
2290161E	CONCRETE	1984	GRAHAM E/S 30 S/O WOODLANDER	10832028	9500L	-117.252851065	33.9498213989	25	1491962
2290162E	CONCRETE	1984	WOODLANDER N/S 130 E/O GRAHAM	10832028	9500L	-117.252534466	33.9499608989	25	1491962
2290163E	CONCRETE	1984	WOODLANDER N/S 140 W/O GRAHAM	10832028	9500L	-117.253342675	33.9499741927	25	1491962
2290466E	CONCRETE	1984	BRIAR KNOLL E/S 200 N/O BLOOMING MEADOW	10832028	9500L	-117.251111821	33.9497924629	25	1491962
2290467E	CONCRETE	1984	BRIAN KNOLL N/S 250 E/O BRIAR KNOLL	10832028	9500L	-117.250422312	33.9499686091	25	1491962
2290468E	CONCRETE	1984	BAYLESS W/S 20 N/O BRIAR KNOLL	10832028	9500L	-117.249652095	33.9499887080	25	1491962
2309380E	CONCRETE	1985	RHEA DR, S/S, COR/O LYREBIRD CT	10832028	9500L	-117.253264372	33.9506383795	25	1491962
2309381E	CONCRETE	1985	LYREBIRD CT, W/S, 95' N/O RHEA DR	10832028	9500L	-117.253325709	33.9509826752	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2309382E	CONCRETE	1985	LYREBIRD CT, E/S, 300' N/O RHEA DR	10832028	9500L	-117.253238063	33.9518334833	25	1491962
2309383E	CONCRETE	1985	RHEA DR, N/S, 145' E/O LYREBIRD CT	10832028	9500L	-117.252814811	33.9507136808	25	1491962
2309940E	CONCRETE	1989	SWAN ST S/S, 355' E/O COCKATIEL DR	10832028	9500L	-117.249088701	33.9522242575	25	1491962
2309941E	CONCRETE	1989	SWAN ST S/S, 155' E/O COCKATIEL DR	10832028	9500L	-117.249750369	33.9522832820	25	1491962
2309942E	CONCRETE	1989	COCKTIEL DR W/S, 165' S/O SWAN ST	10832028	9500L	-117.250397389	33.9518763658	25	1491962
2309943E	CONCRETE	1989	SWAN ST N/S, 35' W/O COCKATIEL DR	10832028	9500L	-117.250291079	33.9523994234	25	1491962
2309944E	CONCRETE	1989	COCKATIEL DR N/S, 560' S/O SWAN ST	10832028	9500L	-117.249535576	33.9515537443	25	1491962
2309945E	CONCRETE	1989	COCKATIEL DR S/S, 350' S/O SWAN ST	10832028	9500L	-117.250261390	33.9515003983	25	1491962
2339667E	CONCRETE	1957	N/S SWAN ST W/O WARBLER WY	10832028	9500L	-117.253082228	33.9525656212	30	1491962
2339668E	CONCRETE	1957	S/S SWAN ST W/O LYREBIRD PL	10832028	9500L	-117.253577889	33.9522976857	30	1491962
2344834E	CONCRETE	1987	CRANE CT E/S, 340' N/O RHEA	10832028	9500L	-117.251310138	33.9515774738	25	1491962
2344835E	CONCRETE	1987	SWAN ST S/S, 375' E/O WARBLER	10832028	9500L	-117.251031327	33.9523698409	25	1491962
2347638E	CONCRETE	1986	CRANE CT, W/S, 100' N/O RHEA DR	10832028	9500L	-117.251445876	33.9510382244	25	1491962
2347639E	CONCRETE	1986	RHEA DR, S/S, COR/O CRANE CT	10832028	9500L	-117.251343184	33.9506595813	25	1491962
2347640E	CONCRETE	1986	RHEA DR, N/S, 215' E/O CRANE CT	10832028	9500L	-117.250690292	33.9507546916	25	1491962
2347641E	CONCRETE	1986	RHEA DR, S/S, 150' W/O BAYLESS ST	10832028	9500L	-117.250074270	33.9506749758	25	1491962
2347642E	CONCRETE	1986	RHEA DR, N/S, COR/O BAYLESS ST	10832028	9500L	-117.249563412	33.9507730133	25	1491962
2352251E	CONCRETE	1986	RHEA DR, S/S, COR/O WARBLER WY	10832028	9500L	-117.252342972	33.9506580542	25	1491962
2352252E	CONCRETE	1986	WARBLER WY, W/S, 165' N/O RHEA DR	10832028	9500L	-117.252393707	33.9511855449	25	1491962
2352253E	CONCRETE	1986	WARBLER WY, E/S, 310' S/O SWAN ST	10832028	9500L	-117.252292096	33.9516303979	25	1491962
2352254E	CONCRETE	1986	WARBLER WY, W/S, 100' S/O SWAN ST	10832028	9500L	-117.252389306	33.9521396825	25	1491962
2352255E	CONCRETE	1986	RHEA DR, N/S, 140' E/O WARBLER WY	10832028	9500L	-117.251855407	33.9507443557	25	1491962
2352256E	CONCRETE	1986	SWAN ST, N/S, COR/O WARBLER WY	10832028	9500L	-117.252298760	33.9525181430	25	1491962
2352257E	CONCRETE	1986	SWAN ST, N/S, 210' E/O WARBLER WY	10832028	9500L	-117.251513629	33.9524749586	25	1491962
2365451E	CONCRETE	1988	SWAN ST S/S, 400' E/O COCKATIEL DR	10832028	9500L	-117.247997560	33.9521318832	25	1491962
4039847E	CONCRETE	1988	RHEA DR S/S, 310' S/O COCKATIEL DR	10832028	9500L	-117.249038844	33.9506814228	25	1491962
4039848E	CONCRETE	1988	RHEA DR W/S, 140' S/O COCKATIEL DR	10832028	9500L	-117.248932884	33.9510334082	25	1491962
4039849E	CONCRETE	1988	COCKATIEL DR N/S, 30' N/O RHEA DR	10832028	9500L	-117.248881360	33.9515042308	25	1491962
4039850E	CONCRETE	1988	SWAN ST S/S, 180' E/O COCKATIEL DR	10832028	9500L	-117.248674098	33.9522118883	25	1491962
4059640E	CONCRETE	1989	N/S ROWE, 840' W/O SANDPIPER	10832028	9500L	-117.247337164	33.9507296208	25	1491962
4059641E	CONCRETE	1989	S/S ROWE, 310' S/O COCKATIEL	10832028	9500L	-117.247792742	33.9506389620	25	1491962
4059642E	CONCRETE	1989	E/S ROWE, 140' S/O COCKATIEL	10832028	9500L	-117.247786324	33.9510898174	25	1491962
4059644E	CONCRETE	1989	S/S COCKATIEL, 160' E/O ROWE	10832028	9500L	-117.247341997	33.9514118488	25	1491962
4059645E	CONCRETE	1989	N/S COCKATIEL, 60' W/O ROWE	10832028	9500L	-117.248028639	33.9515103326	25	1491962
4059647E	CONCRETE	1989	N/S SWAN, 280' N/O COCKATIEL	10832028	9500L	-117.246817778	33.9522004366	25	1491962
4059648E	CONCRETE	1989	N/S SWAN, 200' W/O NE/BEND OF SWAN	10832028	9500L	-117.247492147	33.9521903915	25	1491962
2203818E	CONCRETE	1980	E/S HEACOCK ST 80' N/O MADOLE DR	10832028	9500L	-117.243792219	33.9497410698	30	1491962
2203819E	CONCRETE	1980	E/S HEACOCK ST 220' N/O MADOLE DR	10832028	9500L	-117.243787477	33.9503446369	30	1491962
4059625E	CONCRETE	1989	S/S ROWE, 10' E/O SANDPIPER	10832028	9500L	-117.244656017	33.9506025330	25	1491962
4059626E	CONCRETE	1989	E/S SANDPIPER, 165' N/O ROWE	10832028	9500L	-117.244562212	33.9510592209	25	1491962
4059627E	CONCRETE	1989	W/S SANDPIPER, 160' S/O GREGORY	10832028	9500L	-117.244689676	33.9517432381	25	1491962
4059629E	CONCRETE	1989	E/S SANDPIPER, 45' N/O GREGORY	10832028	9500L	-117.244546815	33.9522304145	25	1491962
4059630E	CONCRETE	1989	W/S SANDPIPER, 240' N/O GREGORY	10832028	9500L	-117.244724225	33.9527466648	25	1491962
4059632E	CONCRETE	1989	N/S ROWE, 200' W/O SANDPIPER	10832028	9500L	-117.245206194	33.9507032194	25	1491962
4059633E	CONCRETE	1989	N/S ROWE, 380' W/O SANDPIPER	10832028	9500L	-117.245754022	33.9507042984	25	1491962
4059634E	CONCRETE	1989	S/S COCKATIEL, 6' E/O MCCULLY	10832028	9500L	-117.245599059	33.9514007736	25	1491962
4059635E	CONCRETE	1989	N/S COCKATIEL, 140' W/O MCCULLY	10832028	9500L	-117.245974539	33.9514869031	25	1491962
4059636E	CONCRETE	1989	W/S MCCULLY, 220' N/O COCKATIEL	10832028	9500L	-117.245620135	33.9519602917	25	1491962
4059637E	CONCRETE	1989	E/S MCCULLY, 400' N/O COCKATIEL	10832028	9500L	-117.245460705	33.9524686046	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4059639E	CONCRETE	1989	S/S ROWE, 570' W/O SANDPIPER	10832028	9500L	-117.246514892	33.9506238807	25	1491962
4059643E	CONCRETE	1989	S/S COCKATIEL, 25' E/O SWAN	10832028	9500L	-117.246717820	33.9514043573	25	1491962
4059646E	CONCRETE	1989	E/S SWAN, 80' N/O COCKATIEL	10832028	9500L	-117.246681351	33.9517170166	25	1491962
1964295E	CONCRETE	1971	E/S HEACOCK 40' N/O KERNWOOD DRIVE	10832028	22000L	-117.243733730	33.9481155019	25	1491960
2037085E	CONCRETE	1973	E/S HEACOCK 200' N/O KERNWOOD DR.	10832028	22000L	-117.243762983	33.9485915567	25	1491960
4059622E	CONCRETE	1989	W/S HEACOCK, 200' S/O GREGORY	10832028	22000L	-117.243924336	33.9514147644	29	1491960
4059623E	CONCRETE	1989	W/S HEACOCK, 240' N/O GREGORY	10832028	22000L	-117.243898383	33.9529431256	29	1491960
4318166E	CONCRETE	1999	E/S HEACOCK 400' N/O KERNWOOD DR.	10832028	22000L	-117.243754306	33.9490496600	31	1491960
4499852E	CONCRETE	2002	S/S GREGORY, 140' W/O SANDPIPER	10832028	9500L	-117.244274117	33.9521028141	26	1491962
2290159E	CONCRETE	1984	HAVENWOOD N/S 20 E/O GRAHAM	10832028	9500L	-117.252820461	33.9483950244	25	1491962
1964291E	CONCRETE	1971	S/S KERNWOOD DRIVE 125' E/O TABOR DRIVE	10832031	5800L	-117.241999877	33.9480228539	25	1491962
1964292E	CONCRETE	1971	N/S KERNWOOD DR 30' W/O TABOR DRIVE	10832031	5800L	-117.242571590	33.9480894851	25	1491962
1964293E	CONCRETE	1971	S/S KERNWOOD DR 10' E/O LANCEWOOD DRIVE	10832031	5800L	-117.243240249	33.9480193214	25	1491962
1964294E	CONCRETE	1971	W/S LANCEWOOD DR 130' N/O KERNWOOD DRIV	10832031	5800L	-117.243363369	33.9483758302	25	1491962
2037076E	CONCRETE	1973	W/S DAVIS ST. 70' N/O GROVEN LN	10832031	5800L	-117.239573299	33.9490580705	25	1491962
2037078E	CONCRETE	1973	N/S GROVEN LANE 130' W/O DAVIS	10832031	5800L	-117.239961503	33.9488981958	25	1491962
2037079E	CONCRETE	1973	SE/COR/O ZATAR LN. & GROVEN LN.	10832031	5800L	-117.240621538	33.9487560892	25	1491962
2037080E	CONCRETE	1973	NW/COR/O ZANTAR LAN & GROVEN LN	10832031	5800L	-117.240781393	33.9488781292	25	1491962
2037081E	CONCRETE	1973	S/S GROVEN LN, 220' W/O ZANTAR LN	10832031	5800L	-117.241317890	33.9487460488	25	1491962
2037082E	CONCRETE	1973	N/S GROVEN LN, 380' E/O LANCEWOOD DR	10832031	5800L	-117.241998358	33.9488389480	25	1491962
2037083E	CONCRETE	1973	S/S GROVEN LN, 150' E/O LANCEWOOD DR	10832031	5800L	-117.242647167	33.9487416596	25	1491962
2037084E	CONCRETE	1973	W/S LANCEWOOD DR. @ GROVEN LN	10832031	5800L	-117.243327748	33.9487608058	25	1491962
2106219E	CONCRETE	1973	DAVIS ST 20' S/O GROVEN LN	10832031	5800L	-117.239539833	33.9488019396	25	1491962
2037077E	CONCRETE	1973	W/S DAVIS ST 200' N/O GROVEN LN	10832031	5800L	-117.239579813	33.9494425172	25	1491962
2203821E	CONCRETE	1980	S/W CORNER OF LANCEWOOD DR & MADOLE DR	10832031	5800L	-117.243339212	33.9495155854	30	1491962
2203822E	CONCRETE	1980	S/S MADOLE DR 120' E/O LANCEWOOD DR	10832031	9500L	-117.242866640	33.9495118536	30	1491962
2203823E	CONCRETE	1980	S/S MADOLE DR 250' E/O LANCEWOOD DR	10832031	9500L	-117.242303760	33.9495233054	30	1491962
2203825E	CONCRETE	1980	S/S MADOLE DR 250' W/O ZANTAR LN	10832031	9500L	-117.241487793	33.9495441004	30	1491962
2226469E	CONCRETE	1981	KIMBERLY ST. S/S P/P 165' E/O CL/O KEVIN ST.	10832031	9500L	-117.238773461	33.9482378548	25	1491962
2226471E	CONCRETE	1981	KIMBERLY ST. N/S P/P 105' E/O CL/O KEVIN	10832031	9500L	-117.237204015	33.9481655432	25	1491962
2226472E	CONCRETE	1981	KIMBERLY ST. N/S P/P 50' W/O CL/O KEVIN	10832031	9500L	-117.238037633	33.9481941043	25	1491962
4232685E	CONCRETE	1993	INDIAN STREET W/S, 489' N/O IRONWOOD AVEN	10832031	9500L	-117.235212486	33.9480400059	25	1491962
4232686E	CONCRETE	1993	INDIAN STREET W/S, 663' N/O IRONWOOD AVEN	10832031	9500L	-117.235216193	33.9483669888	25	1491962
4232687E	CONCRETE	1993	INDIAN STREET W/S, 877' N/O IRONWOOD AVEN	10832031	9500L	-117.235222800	33.9489495084	25	1491962
2173307E	CONCRETE	1983	DUNLAVY N/S 585 W/O INDIAN	10832031	9500L	-117.237068914	33.9499396660	30	1491962
2173308E	CONCRETE	1983	DUNLAVY N/S 705 W/O INDIAN	10832031	9500L	-117.237483486	33.9499228277	30	1491962
2173309E	CONCRETE	1983	DUNLAVY N/S 895 W/O INDIAN	10832031	9500L	-117.238111688	33.9499391338	30	1491962
2173310E	CONCRETE	1983	DUNLAVY N/S 1095 W/O INDIAN	10832031	9500L	-117.238792116	33.9499394031	30	1491962
2203820E	CONCRETE	1980	E/S LANCEWOOD DR 180' N/O MADOLE DR	10832031	9500L	-117.243240007	33.9499993377	30	1491962
2203824E	CONCRETE	1980	NORTH END NOTNIL CT 150' N/O MADOLE DR	10832031	9500L	-117.242352700	33.9498919972	30	1491962
2203826E	CONCRETE	1980	E/S GLADWAY CT 150' N/O MADOLE DR	10832031	9500L	-117.241372039	33.9499209610	30	1491962
2203827E	CONCRETE	1980	E/S ZANTAR LN 300' E/O GLADWAY CT	10832031	9500L	-117.240632304	33.9492330792	30	1491962
2207202E	CONCRETE	1980	S/S MOONRAKER LN & SEAPORT CIRCLE	10832031	9500L	-117.238616778	33.9525026228	30	1491962
2207203E	CONCRETE	1980	E/S SEAPORT CIRCLE 168' N/O MOONRAKER LN	10832031	9500L	-117.238575859	33.9529465120	30	1491962
2207205E	CONCRETE	1980	S/S MOONRAKER LN 130' W/O SPYGLASS CIRCLE	10832031	9500L	-117.238092504	33.9524818295	30	1491962
2207206E	CONCRETE	1980	S/S MOONRAKER LN 368' E/O SEAPORT CIRCLE	10832031	9500L	-117.237463012	33.9524876688	30	1491962
2207207E	CONCRETE	1980	E/S SPYGLASS CIRCLE 125' N/O MOONRAKER LN	10832031	9500L	-117.237616082	33.9528339520	30	1491962
2289985E	CONCRETE	1984	TRIUMPH W/S 240 N/O CONQUISTIDOR	10832031	9500L	-117.242282445	33.9527758648	25	1491962
2289987E	CONCRETE	1984	LEISURE W/S 220 N/O CONQUISTIDOR	10832031	9500L	-117.243271932	33.9527439365	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2289988E	CONCRETE	1984	CONQUISTIDOR DR N/S 20 E/O TRIUMPH	10832031	9500L	-117.242143930	33.9521885447	25	1491962
2289989E	CONCRETE	1984	CONQUISTIDOR N/S 20 E/O LEISURE	10832031	9500L	-117.243124329	33.9521894566	25	1491962
2347601E	CONCRETE	1986	DAVIS ST, N/W COR/O GREGORY LN	10832031	9500L	-117.239590992	33.9522027473	25	1491962
2347602E	CONCRETE	1986	KASBA CIR, E/S, 175' N/O GREGORY LN	10832031	9500L	-117.240367107	33.9527818226	25	1491962
2347603E	CONCRETE	1986	GREGORY LN, N/W COR/O KASBA CIR	10832031	9500L	-117.240534663	33.9522189243	25	1491962
2347604E	CONCRETE	1986	OCALA CT, E/S, 192' N/O GREGORY LN	10832031	9500L	-117.241234383	33.9527834308	25	1491962
2347605E	CONCRETE	1986	GREGORY LN, N/W COR/O OCALA CT	10832031	9500L	-117.241425955	33.9522024576	25	1491962
2173305E	CONCRETE	1983	DUNLAVY N/S 225 W/O INDIAN	10832031	9500L	-117.235890893	33.9499199071	30	1491962
2173306E	CONCRETE	1983	DUNLAVY S/S 415 W/O INDIAN	10832031	9500L	-117.236513035	33.9498588700	30	1491962
2182034E	CONCRETE	1980	TREASURE DRIVE S/S, 100' E/O INDIAN AVENUE	10832031	9500L	-117.234815444	33.9507346966	25	1491962
2182035E	CONCRETE	1980	TREASURE DRIVE S/S, 280' E/O INDIAN AVENUE	10832031	9500L	-117.234213832	33.9507337242	25	1491962
2182039E	CONCRETE	1980	DEFIANCE WAY E/S, 170' N/O TREASURE DRIVE	10832031	9500L	-117.234436330	33.9513617085	25	1491962
2182040E	CONCRETE	1980	DEFIANCE WAY W/S, 350' N/O TREASURE DRIVE	10832031	9500L	-117.234570584	33.9518183058	25	1491962
2207209E	CONCRETE	1980	S/S MOONRAKER LN 240' E/O SPYGLASS CIRCLE	10832031	9500L	-117.236833525	33.9524928848	30	1491962
2207210E	CONCRETE	1980	W/S DAYBREAK TR 165' MOONRAKER LN	10832031	9500L	-117.236807360	33.9529357282	30	1491962
2207212E	CONCRETE	1980	S/E COR/O MOONRAKER LANE AND RIDGECREST	10832031	9500L	-117.235794244	33.9525303428	30	1491962
2207213E	CONCRETE	1980	RIDGECREST LANE W/S, AT CL/O EBBTIDE LANE EX	10832031	9500L	-117.235875416	33.9530120079	30	1491962
2289990E	CONCRETE	1984	HEACOCK E/S 20 N/O CONQUISTIDOR	10832031	22000L	-117.243677306	33.9522223391	30	1491960
2173304E	CONCRETE	1983	DUNLAVY & INDIAN	10832031	22000L	-117.235222714	33.9498031153	30	1491960
2207216E	CONCRETE	1980	S/W COR/O EBBTIDE LANE AND INDIAN AVENUE	10832031	22000L	-117.235210198	33.9529508167	25	1491960
2207217E	CONCRETE	1980	INDIAN AVENUE W/S, 280' S/O EBBTIDE LANE	10832031	22000L	-117.235200459	33.9524700799	25	1491960
4676846E	CONCRETE	2007	DUNLAVY CT N/S, 260' E/O INDIAN ST	10832031	9500L	-117.234296731	33.9499417852	27	1491962
1824289E	CONCRETE	1972	S/S ENCHANTED WAY 560' E/O HUBBARD ST.	10832034	9500L	-117.229058200	33.9490459081	25	1491962
1824290E	CONCRETE	1972	ENCHANTED WAY N/S, 380' E/O HUBBARD STREET	10832034	9500L	-117.229604773	33.9491389407	25	1491962
1824299E	CONCRETE	1972	ENCHANTED WAY S/S, 190 E/O HUBBARD STREET	10832034	9500L	-117.230213113	33.9490412240	25	1491962
1824300E	CONCRETE	1972	S/E COR/O HUBBARD STREET AND ENCHANTED W	10832034	9500L	-117.230854963	33.9490480973	25	1491962
4275637E	WOOD	1999	11897 KILGORE	10832034	9500L	-117.231869407	33.9480063627	30	1491962
1999289E	CONCRETE	1957	WELBY PLACE E/S, 520' N/O CL/O IRONWOOD AV	10832034	9500L	-117.232666664	33.9480216222	25	1491962
1999292E	CONCRETE	1957	WELLER PLACE W/S, 485' N/O CL/O IRONWOOD A	10832034	9500L	-117.233767189	33.9479644160	25	1491962
2181659E	CONCRETE	1980	S/W COR/O ENCHANTED WAY AND CAMINO DE LA	10832034	9500L	-117.228159624	33.9490086767	25	1491962
2181660E	CONCRETE	1980	ENCHANTED WAY S/S, 115' E/O CAMINO DE LA VI	10832034	9500L	-117.227769276	33.9489791673	25	1491962
2181661E	CONCRETE	1980	ENCHANTED WAY N/S, 490' E/O CAMINO DE LA V	10832034	9500L	-117.227188931	33.9490437850	25	1491962
2289998E	CONCRETE	1983	CAMINO DEL LA VISTA DR E/S, 250' S/O ENCHANT	10832034	9500L	-117.228040776	33.9484950553	25	1491962
2289999E	CONCRETE	1983	ESCONDIDO COURT S/S, 100' E/O CAMINO DE LA	10832034	9500L	-117.227860959	33.9480830744	25	1491962
2290000E	CONCRETE	1983	ESCONDIDO COURT N/S, 300' E/O CAMINO DE LA	10832034	9500L	-117.227407198	33.9481850182	25	1491962
4005102E	WOOD	1987	KILGORE STREET E/S, 725' N/O IRONWOOD AVEN	10832034	9500L	-117.231716697	33.9485622638	35	1491962
2289541E	CONCRETE	1984	QUEBRADA CT 150 E/O PASEO GRANDE WY	10832034	9500L	-117.224467264	33.9481240536	25	1491962
2289542E	CONCRETE	1984	QUEBRADA CT 150 W/O PASEO GRANDE WY	10832034	9500L	-117.225475463	33.9481281463	25	1491962
2289543E	CONCRETE	1984	C/O PASEO GRANDE WY AND QUEBRADA CT	10832034	9500L	-117.224873298	33.9480041729	25	1491962
1824286E	CONCRETE	1972	REDCLIFF COURT S/S, 190' E/O HUBBARD STREET	10832034	9500L	-117.230276731	33.9498605192	25	1491962
1824287E	CONCRETE	1972	REDCLIFF COURT N/S, 370' E/O HUBBARD STREET	10832034	9500L	-117.229781930	33.9499743241	25	1491962
1824288E	CONCRETE	1972	REDCLIFF COURT S/S, 520' E/O HUBBARD STREET	10832034	9500L	-117.229273570	33.9498559961	25	1491962
1885468E	CONCRETE	1971	VALECREST DRIVE S/S, 200' E/O HUBBARD STREET	10832034	22000L	-117.230225002	33.9506834738	25	1491962
1885469E	CONCRETE	1971	VALECREST DRIVE N/S, 400' E/O HUBBARD STREE	10832034	9500L	-117.229593157	33.9507931510	25	1491962
1885470E	CONCRETE	1971	VALECREST DRIVE S/S, 600' E/O HUBBARD STREET	10832034	9500L	-117.228971099	33.9507175009	25	1491962
2181662E	CONCRETE	1980	CAMINO DE LA VISTA W/S, 165' S/O CAMINO DE C	10832034	9500L	-117.228174428	33.9494369093	25	1491962
2181663E	CONCRETE	1980	CAMINO DE LA VISTA W/S, AT CL/O CAMINO DE C	10832034	9500L	-117.228156058	33.9499270771	25	1491962
2181664E	CONCRETE	1980	CAMINO DE ORO S/S, 120' E/O CAMINO DE LA VIS	10832034	9500L	-117.227715852	33.9498426221	25	1491962
2181665E	CONCRETE	1980	CAMINO DE ORO N/S, 530' E/O CAMINO DE LA VIS	10832034	9500L	-117.226945469	33.9499366553	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2182036E	CONCRETE	1980	PROSPERITY LANE E/S, CL/O TREASURE DRIVE EXT	10832034	9500L	-117.233471059	33.9507965328	25	1491962
2182037E	CONCRETE	1980	PROSPERITY LANE E/S, 240' S/O HILTON DRIVE	10832034	9500L	-117.233455989	33.9514464192	25	1491962
2182038E	CONCRETE	1980	PROSPERITY LANE W/S, 60' S/O HILTON DRIVE	10832034	9500L	-117.233436304	33.9519474935	25	1491962
2204049E	CONCRETE	1980	CAMINO DE LA VISTA E/S 135' S/O VALECREST	10832034	9500L	-117.228050907	33.9503609118	25	1491962
2204050E	CONCRETE	1980	VALECREST N/S, W/S CAMINO DE LA VISTA EXT'D	10832034	9500L	-117.228514651	33.9508051842	25	1491962
2309671E	CONCRETE	1984	PROSPERITY LANE E/S, 165' N/O HILTON DRIVE	10832034	9500L	-117.233421251	33.9525145069	25	1491962
2309672E	CONCRETE	1984	PROSPERITY LANE W/S, 385' N/O HILTON DRIVE	10832034	9500L	-117.233559101	33.9529011233	25	1491962
2361944E	CONCRETE	1987	METRIC DRIVE N/S, 590' E/O HUBBARD STREET	10832034	9500L	-117.228961176	33.9526287683	25	1491962
2361945E	CONCRETE	1987	S/E COR/O HUBBARD STREET AND METRIC DRIVE	10832034	9500L	-117.230823820	33.9525155791	25	1491962
2361947E	CONCRETE	1987	METRIC DRIVE S/S, 400' E/O HUBBARD STREET	10832034	9500L	-117.229603519	33.9525208154	25	1491962
2361948E	CONCRETE	1987	METRIC DRIVE N/S, 190' E/O HUBBARD STREET	10832034	9500L	-117.230356699	33.9526214274	25	1491962
2354810E	CONCRETE	1987	S/E COR/O VENETIAN DRIVE & CRODOVA WAY EX	10832034	9500L	-117.223983646	33.9495074906	25	1491962
2361740E	CONCRETE	1987	VENETIAN DRIVE W/S, 335" N/O CRODOVA WAY	10832034	9500L	-117.223996448	33.9504775158	25	1491962
2361742E	CONCRETE	1987	S/E COR/O VENETIAN DRIVE & BRISTOL AVENUE	10832034	9500L	-117.223946105	33.9516092864	25	1491962
2361743E	CONCRETE	1987	VENETIAN DRIVE W/S, 140' N/O BRISTOL AVENUE	10832034	9500L	-117.224004673	33.9520375059	25	1491962
4003049E	CONCRETE	1987	VIA VON BATSCH N/S, 107' E/O CL/O PERRIS BLVD	10832034	9500L	-117.225836693	33.9494353285	25	1491962
4003050E	CONCRETE	1987	VIA VON BATSCH N/S, 393' E/O PERRIS BLVD	10832034	9500L	-117.225005562	33.9494531103	25	1491962
2289550E	CONCRETE	1984	PERRIS BLVD 600 N/O IRONWOOD	10832034	22000L	-117.226321940	33.9482860762	30	1491960
4003048E	CONCRETE	1987	PERRIS BLVD E/S, 310' N/O VIA VON BATSCH	10832034	22000L	-117.226317849	33.9505334619	29	1491960
4058481E	CONCRETE	1990	PERRIS BLVD. E/S, 260' S/O KALMIA STREET	10832034	22000L	-117.226373477	33.9532494134	29	1491960
4058482E	CONCRETE	1990	PERRIS BLVD. E/S, 460' S/O KALMIA STREET	10832034	22000L	-117.226336984	33.9528223799	29	1491960
4058483E	CONCRETE	1990	PERRIS BLVD. E/S, 660' S/O KALMIA STREET	10832034	22000L	-117.226358046	33.9523495685	29	1491960
4676847E	CONCRETE	2007	DUNLAVY CT S/S,485' E/O INDIAN ST	10832034	9500L	-117.233530188	33.9498612301	27	1491962
4676848E	CONCRETE	2007	DUNLAVY CT N/S,640' W/O HUBBARD ST	10832034	9500L	-117.233033989	33.9499612725	27	1491962
4676849E	CONCRETE	2007	DUNLAVY CT S/S,435' W/O HUBBARD ST	10832034	9500L	-117.232450446	33.9498773467	27	1491962
4676850E	CONCRETE	2007	DUNLAVY CT N/S,245' W/O HUBBARD ST	10832034	9500L	-117.231720305	33.9499589610	27	1491962
1824285E	CONCRETE	1972	S/E COR/O HUBBARD ST. & REDCLIFF CT.	10832034	5800L	-117.230861523	33.9498549019	25	1491962
2347612E	CONCRETE	1987	11929 VILLA HERMOSA, MORENO VALLEY	10832037	9500L	-117.222786149	33.9481647281	25	1491962
2354808E	CONCRETE	1987	11938 VENETIAN DR., MORENO VALLEY	10832037	9500L	-117.223844612	33.9483926998	25	1491962
2354809E	CONCRETE	1987	11920 VENETIAN DR., MORENO VALLEY	10832037	9500L	-117.223859270	33.9489297305	25	1491962
2354813E	CONCRETE	1987	11893 VILLA HERMOSA, MORENO VALLEY	10832037	9500L	-117.222770932	33.9491623679	25	1491962
2354814E	CONCRETE	1987	11912 VILLA HERMOSA, MORENO VALLEY	10832037	9500L	-117.222641347	33.9486739362	25	1491962
2354815E	CONCRETE	1987	MATHEWS RD, W/S, N/O IRONWOOD	10832037	9500L	-117.221915096	33.9484105697	25	1491962
4005113E	CONCRETE	1989	SHALU AVE N/S, 305' W/O SLAWSON AVE	10832037	9500L	-117.214396632	33.9489860640	25	1491962
4005114E	CONCRETE	1989	SHALU AVE S/S, 180' E/O TUSCOLA ST	10832037	9500L	-117.214944583	33.9489060610	25	1491962
4005115E	CONCRETE	1989	SHALU AVE N/S, 15' W/O TUSCOLA ST	10832037	9500L	-117.215491794	33.9489691881	25	1491962
4005117E	CONCRETE	1989	TUSCOLA ST E/S, 210' S/O SHALU AVE	10832037	9500L	-117.215460127	33.9484218388	25	1491962
2352476E	CONCRETE	1987	MATHEWS ROAD W/S, 450' S/O TIVOLI LANE	10832037	9500L	-117.222015623	33.9497286528	25	1491962
2354811E	CONCRETE	1987	CRODOVA WAY S/S S/S, 150' W/O VILLA HERMOSA	10832037	9500L	-117.223340229	33.9494961348	25	1491962
2354812E	CONCRETE	1987	N/E COR/O VILLA HERMOSA & CRODOVA WAY EX	10832037	9500L	-117.222648458	33.9496003791	25	1491962
2361739E	CONCRETE	1987	VENETIAN DRIVE E/S, 133' N/O CRODOVA WAY	10832037	9500L	-117.223867783	33.9499597763	25	1491962
2361741E	CONCRETE	1987	VENETIAN DRIVE E/S, 280' S/O BRISTOL AVENUE	10832037	9500L	-117.223898400	33.9508830828	25	1491962
2361744E	CONCRETE	1987	BRISTOL AVENUE N/S, 165' E/O VENETIAN DRIVE	10832037	9500L	-117.223398572	33.9517842796	25	1491962
2361745E	CONCRETE	1987	N/E COR/O VILLA HERMOSA & VENETIAN DRIVE	10832037	9500L	-117.222718216	33.9517875434	25	1491962
2361746E	CONCRETE	1987	MATHEWS ROAD W/S, 380' N/O TIVOLI LANE	10832037	9500L	-117.222041573	33.9520194311	25	1491962
2361747E	CONCRETE	1987	VILLA HERMOSA W/S, 125' S/O BRISTOL AVENUE	10832037	9500L	-117.222776391	33.9513628336	25	1491962
2361748E	CONCRETE	1987	S/W COR/O TIVOLI LANE & VILLA HERMOSA	10832037	9500L	-117.222769903	33.9509111586	25	1491962
2361749E	CONCRETE	1987	S/W COR/O TIVOLI LANE & MATHEWS ROAD	10832037	9500L	-117.222014338	33.9508891836	25	1491962
2361750E	CONCRETE	1987	VILLA HERMOSA E/S, 220' S/O TIVOLI LANE	10832037	9500L	-117.222671020	33.9501801876	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4056778E	CONCRETE	1989	S/S LILY CT., 210' E/O KAYAL	10832037	9500L	-117.214379064	33.9529776754	25	1491962
4059614E	CONCRETE	1989	W/S KAYAL, 200' S/O LAURELWOOD	10832037	9500L	-117.215087263	33.9500695654	25	1491962
4059615E	CONCRETE	1989	S/S LAURELWOOD, 190' E/O KAYAL	10832037	9500L	-117.214557183	33.9505483274	25	1491962
4059616E	CONCRETE	1989	E/S KAYAL, 50' N/O LAURELWOOD	10832037	9500L	-117.214968093	33.9507060931	25	1491962
4059617E	CONCRETE	1989	W/S KAYAL, 5' N/O FISCUS	10832037	9500L	-117.215101553	33.9513671956	25	1491962
4059618E	CONCRETE	1989	N/S FISCUS, 180' E/O KAYAL	10832037	9500L	-117.214410031	33.9514389776	25	1491962
4059619E	CONCRETE	1989	S/S ASPENWOOD, 260' E/O KAYAL	10832037	9500L	-117.214220329	33.9520713299	25	1491962
4059620E	CONCRETE	1989	E/S KAYAL, 40' N/O ASPENWOOD	10832037	9500L	-117.214997154	33.9522128926	25	1491962
4059621E	CONCRETE	1989	W/S KAYAL, 10' N/O LILY CT.	10832037	9500L	-117.215115401	33.9530471960	25	1491962
2657417E	CONCRETE	2007	TANGERINE RD S/S, 3' W/O JAFFA WY	10832037	9500L	-117.216836741	33.9495878687	27	1491962
4656626E	CONCRETE	2007	SHALU AVE N/S, 42' W/O CITRUS CT	10832037	9500L	-117.216526672	33.9489017842	27	1491962
4656627E	CONCRETE	2007	SHALU AVE S/S, 196' E/O KITCHING ST	10832037	9500L	-117.217056118	33.9486723238	27	1491962
4657418E	CONCRETE	2007	JAFFA WY W/S, 185' N/O TANGERINE RD	10832037	9500L	-117.216968598	33.9501222873	27	1491962
4657419E	CONCRETE	2007	NAVEL AVE S/S, 535' NW/O TANGERINE RD	10832037	9500L	-117.216303965	33.9508334007	27	1491962
4657420E	CONCRETE	2007	NAVEL AVE E/S, 322' N/O TANGERINE RD	10832037	9500L	-117.215756852	33.9507281160	27	1491962
4657421E	CONCRETE	2007	NAVEL AVE W/S, 195' N/O TANGERINE RD	10832037	9500L	-117.215882631	33.9503835450	27	1491962
4657422E	CONCRETE	2007	NAVEL AVE E/S, 40' N/O TANGERINE RD	10832037	9500L	-117.215753196	33.9499391504	27	1491962
4657423E	CONCRETE	2007	NAVEL AVE W/S, 140' N/O SHALU AVE	10832037	9500L	-117.215858702	33.9493247329	27	1491962
4657424E	CONCRETE	2007	SHALU AVE S/S, 2' E/O NAVEL AVE	10832037	9500L	-117.215786043	33.9488865060	27	1491962
4657425E	CONCRETE	2007	CITRUS CT E/S, 100' S/O SHALU AVE	10832037	9500L	-117.216222262	33.9485902947	27	1491962
4523931E	CONCRETE	2007	KITCHING ST E/S, 42' N/O C/L SHALU AVE - MOREN	10832037	9500L	-117.217642770	33.9488158575	27	1491962
4523932E	CONCRETE	2007	KITCHING ST E/S, 50' N/O C/L TANGERINE RD-MOR	10832037	9500L	-117.217636878	33.9497409473	27	1491962
4523933E	CONCRETE	2007	KITCHING ST E/S, 42' N/O C/L JAFFA WAY - MOREN	10832037	9500L	-117.217649721	33.9504122703	27	1491962
4005111E	CONCRETE	1989	SLAWSON AVE W/S, 45' S/O SHALU AVE	10832040	9500L	-117.213382346	33.9488782631	25	1491962
4005112E	CONCRETE	1989	SHALU AVE N/S, 100' W/O SLAWSON AVE	10832040	9500L	-117.213784794	33.9490159433	25	1491962
4232663E	CONCRETE	1992	SLAWSON E/S 642' N/O IRONWOOD	10832040	9500L	-117.213213922	33.9484803225	25	1491962
4232666E	CONCRETE	1992	SLAWSON S/E CORNER OF LAURIE ST	10832040	9500L	-117.213251695	33.9502208626	25	1491962
2327074E	CONCRETE	1985	VISTA DE CERROS, E/S, 320' N/O IRONWOOD	10832040	9500L	-117.205489338	33.9483760509	25	1491962
2327075E	CONCRETE	1985	VISTA DE CERROS, E/S, 470' N/O IRONWOOD	10832040	9500L	-117.205288106	33.9489041801	25	1491962
2327076E	CONCRETE	1985	VISTA DE CERROS, W/S, 840' N/O IRONWOOD	10832040	9500L	-117.205428231	33.9498659918	25	1491962
4059601E	CONCRETE	1989	S/S SPRUCEWOOD, 180' W/O SLAWSON	10832040	9500L	-117.213784778	33.9497371994	25	1491962
4059602E	CONCRETE	1989	W/S SLAWSON, 50' N/O SPRUCEWOOD	10832040	9500L	-117.213389595	33.9498764143	25	1491962
4059603E	CONCRETE	1989	N/S LAURIE, 155' E/O SLAWSON	10832040	9500L	-117.212850208	33.9503350947	25	1491962
4059604E	CONCRETE	1989	W/S SLAWSON, 140' N/O LAURIE	10832040	9500L	-117.213383015	33.9506700323	25	1491962
4059605E	CONCRETE	1989	S/S ASHWOOD, 170' E/O SLAWSON	10832040	9500L	-117.212802536	33.9512156684	25	1491962
4059606E	CONCRETE	1989	E/S SLAWSON, 40' N/O ASHWOOD	10832040	9500L	-117.213262234	33.9513553688	25	1491962
4059607E	CONCRETE	1989	S/S ASPENWOOD, 170' E/O SLAWSON	10832040	9500L	-117.212811810	33.9520632317	25	1491962
4059608E	CONCRETE	1989	W/S SLAWSON, 150' N/O ASPENWOOD	10832040	9500L	-117.213403782	33.9524934385	25	1491962
4059609E	CONCRETE	1989	S/S POPLAR, 180' E/O SLAWSON	10832040	9500L	-117.212761805	33.9529138090	25	1491962
4059610E	CONCRETE	1989	E/S SLAWSON, 45' N/O POPLAR	10832040	9500L	-117.213294870	33.9530477937	25	1491962
4232665E	CONCRETE	1992	SLAWSON E/S 270' S/O LAURIE ST	10832040	9500L	-117.213248576	33.9495333053	25	1491962
4232667E	CONCRETE	1992	LAURIE ST S/S 205' E/O SLAWSON	10832040	9500L	-117.212549892	33.9502398982	25	1491962
2327077E	CONCRETE	1985	VISTA DE CERROS, E/S, 1070' N/O IRONWOOD	10832040	9500L	-117.205331503	33.9504830334	25	1491962
2327078E	CONCRETE	1985	VISTA DE CERROS, W/S, 580' S/O MTN RANCH	10832040	9500L	-117.205465843	33.9505638104	25	1491962
2327079E	CONCRETE	1985	VISTA DE CERROS, E/S, 265' S/O MTN RANCH RD	10832040	9500L	-117.205335277	33.9514019051	25	1491962
2327080E	CONCRETE	1985	VISTA DE CERROS, E/S, 160' S/O MTN RANCH RD	10832040	9500L	-117.205340187	33.9516870466	25	1491962
2327081E	CONCRETE	1987	MTN RANCH RD, N/S, 120' W/O VISTA DE CERROS	10832040	9500L	-117.205846220	33.9521504642	25	1491962
2327082E	CONCRETE	1987	MTN RANCH RD, S/E COR/O VISTA DE CERROS	10832040	9500L	-117.205330704	33.9520627526	25	1491962
2327083E	CONCRETE	1987	MTN RANCH RD, S/S, 220' E/O VISTA DE CERROS	10832040	9500L	-117.204674347	33.9520643820	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2327085E	CONCRETE	1987	NO. SHORE DR, E/S, 155' N/O MTN RANCH RD	10832040	9500L	-117.204610299	33.9524865555	25	1491962
2327086E	CONCRETE	1987	NO. SHORE DR, S/E COR/O HORIZON WY	10832040	9500L	-117.204735450	33.9530656566	25	1491962
2327087E	CONCRETE	1987	HORIZON WY, N/S, 190' E/O NO. SHORE DR	10832040	9500L	-117.204266655	33.9533010206	25	1491962
2327088E	CONCRETE	1987	NO. SHORE DR, E/S, 140' N/O HORIZON WY	10832040	9500L	-117.205170844	33.9534195370	25	1491962
2327089E	CONCRETE	1987	NO. SHORE DR, W/S, 320' N/O HORIZON WY	10832040	9500L	-117.205893777	33.9535194135	25	1491962
4300670E	CONCRETE	1995	LASSELLE E/S 165' N/O CHATEAU CT	10832040	9500L	-117.208920005	33.9519682669	25	1491962
4300671E	CONCRETE	1995	LASSELLE/CHATEAU CT, N/E/COR	10832040	9500L	-117.208904525	33.9516018660	25	1491962
4300672E	CONCRETE	1995	CHATEAU CT 200'E/O LASSELLE ST	10832040	9500L	-117.208341625	33.9515466414	25	1491962
4288545E	CONCRETE	1996	MIRAGE CT END OF CULDESAC E/O LASSELLE	10832040	9500L	-117.208335887	33.9503908971	25	1491960
4299543E	CONCRETE	1996	LASSELLE ST E/S 180' N/O MIRAGE	10832040	22000L	-117.208923444	33.9508764570	25	1491962
4299544E	CONCRETE	1996	LASSELLE NE C/O MIRAGE CT	10832040	9500L	-117.208894667	33.9504413356	25	1491962
4442149E	CONCRETE	2002	SLAWSON E/S 452' S/O LAURIE ST	10832040	9500L	-117.213265503	33.9490439852	26	1491962
2327084E	CONCRETE	1987	MTN RANCH RD, N/S, 410' E/O NO. SHORE DR	10832043	9500L	-117.203341626	33.9521684680	25	1491962
4465604E	CONCRETE	2002	MT. RANCH RD., END OF STREET	10832043	9500L	-117.202525582	33.9521162561	27	1491960
4066167E	CONCRETE	1988	KALMIA AVE S/S, 50' E/O MORENO BEACH DR	10832049	9500L	-117.178315278	33.9536172811	25	1491962
4066168E	CONCRETE	1988	MORENO BEACH DR E/S, 430' S/O KALMIA AVE	10832049	9500L	-117.178410362	33.9525911953	25	1491962
4066170E	CONCRETE	1988	MORENO BEACH DR E/S, 50' N/O JUNIPER AVE	10832049	9500L	-117.178369421	33.9501203648	25	1491962
4066171E	CONCRETE	1988	VALLE LINDO W/S, 50' N/O JUNIPER AVE	10832049	9500L	-117.177750318	33.9500842942	25	1491962
4066172E	CONCRETE	1988	VALLE LINDO E/S, 295' N/O JUNIPER AVE	10832049	9500L	-117.177636861	33.9508177814	25	1491962
4066173E	CONCRETE	1988	VALLE LINDO W/S, 610' N/O JUNIPER AVE	10832049	9500L	-117.177746926	33.9516568086	25	1491962
4066174E	CONCRETE	1988	VALLE LINDO S/S, 400' W/O KNOLL VISTA ST	10832049	9500L	-117.177504669	33.9524981421	25	1491962
4066164E	CONCRETE	1988	KALMIA AVE S/S, 245' E/O KNOLL VISTA ST	10832049	9500L	-117.175451099	33.9536090042	25	1491962
4066165E	CONCRETE	1988	KNOLL VISTA ST W/S, 50' S/O KALMIA AVE	10832049	9500L	-117.176372670	33.9534989091	25	1491962
4066175E	CONCRETE	1988	VALLE LINDO N/S, 175' W/O KNOLL VISTA ST	10832049	9500L	-117.176833415	33.9525797226	25	1491962
4066176E	CONCRETE	1988	KNOLL VISTA ST E/S, 30' E/O VALLE LINDO	10832049	9500L	-117.176227189	33.9526949135	25	1491962
4066177E	CONCRETE	1988	KNOLL VISTA ST W/S, 30' W/O VIA CONTENTA	10832049	9500L	-117.176053787	33.9522099292	25	1491962
4066178E	CONCRETE	1988	VIA CONTENTA S/S, 220' E/O KNOLL VISTA ST	10832049	9500L	-117.175321596	33.9525633762	25	1491962
4066179E	CONCRETE	1988	KNOLL VISTA ST E/S, 415' N/O JUNIPER AVE	10832049	9500L	-117.175341541	33.9515892650	25	1491962
4066180E	CONCRETE	1988	KNOLL VISTA ST W/S, 415' N/O JUNIPER AVE	10832049	9500L	-117.175346905	33.9507730440	25	1491962
4066181E	CONCRETE	1988	KNOLL VISTA ST E/S, 50' N/O JUNIPER AVE	10832049	9500L	-117.175269177	33.9501474728	25	1491962
4066182E	CONCRETE	1988	VIA COLINA E/S, 50' N/O JUNIPER AVE	10832049	9500L	-117.176442947	33.9501316146	25	1491962
4066183E	CONCRETE	1988	VIA COLINA W/S, 270' N/O JUNIPER AVE	10832049	9500L	-117.176585024	33.9506822330	25	1491962
4066184E	CONCRETE	1988	VIA COLINA N/S, 480' N/O JUNIPER AVE	10832049	9500L	-117.176476248	33.9512514374	25	1491962
4066166E	CONCRETE	1988	KALMIA AVE S/S, 265' W/O KNOLL VISTA ST	10832049	9500L	-117.177234891	33.9536300140	25	1491962
4725946E	CONCRETE	2009	MORENO BEACH DR.E/O 375' N/O JUNIPER AVE.	10832049	9500L	-117.178381993	33.9509989906	25	1491962
2361331E	CONCRETE	1989	EDMONSON AVE E/S, 130' N/O KALMIA AVE	10832052	9500L	-117.168278830	33.9539844686	25	1491962
4066161E	CONCRETE	1988	PETTIT ST W/S, 400' N/O JUNIPER AVE	10832052	9500L	-117.174126067	33.9517872284	25	1491962
4066162E	CONCRETE	1988	PETTIT ST W/S, 475' S/O KALMIA AVE	10832052	9500L	-117.174151883	33.9526636477	25	1491962
4066163E	CONCRETE	1988	KALMIA AVE S/S, 50' W/O PETTIT ST	10832052	9500L	-117.174171098	33.9535401041	25	1491962
2381447E	CONCRETE	1989	LADD AVE W/S, 135' N/O KALMIA AVE	10832052	9500L	-117.167094024	33.9539528132	25	1491962
4055943E	CONCRETE	1989	QUINCY ST W/S, 300' N/O KALMIA AVE	10832052	9500L	-117.165431682	33.9543991699	25	1491962
4232688E	CONCRETE	1993	KALMIA AVE. S/S, 436' W/O C/L REDLANDS BL.	10832055	9500L	-117.158259035	33.9534065641	25	1491962
4232689E	CONCRETE	1993	KALMIA AVE. S/S, 236' W/O C/L REDLANDS BL.	10832055	9500L	-117.157451109	33.9534041858	25	1491962
4222743E	CONCRETE	1993	REDLANDS BL. W/S, 258' S/O C/L KALMIA AVE.	10832055	22000L	-117.156795544	33.9528346103	29	1491960
4222744E	CONCRETE	1993	REDLANDS BL. W/S, 58' S/O C/L KALMIA AVE.	10832055	22000L	-117.156794199	33.9533375023	29	1491960
4113189E	CONCRETE	1990	MORTAN ROAD E/S, 45' N/O WORDSWORTH ROA	10852013	9500L	-117.296409612	33.9534792967	25	1491962
4113190E	CONCRETE	1990	E/S MORTAN, 350' S/O WORDSWORTH	10852013	9500L	-117.296405714	33.9524135170	25	1491962
4150985E	CONCRETE	1990	MORTON ROAD E/S, 130' S/O LORD MURPHY COU	10852013	9500L	-117.296400260	33.9537981723	25	1491962
4113182E	CONCRETE	1990	N/S TENNYSON, 230' E/O WORDSWORTH	10852013	9500L	-117.293909851	33.9523830343	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4113184E	CONCRETE	1990	WORDSWORTH ROAD W/S, 120' N/O TENNYSON	10852013	9500L	-117.295019498	33.9524059693	25	1491962
4113185E	CONCRETE	1990	BOCCACCIO COURT S/S, 190' E/O WORDSWORTH	10852013	9500L	-117.294633763	33.9531352614	25	1491962
4113186E	CONCRETE	1990	BOCCACCIO COURT N/S, 400' E/O WORDSWORTH	10852013	9500L	-117.293940992	33.9533209909	25	1491962
4113187E	CONCRETE	1990	WORDSWORTH ROAD E/S, 40' N/O BOCCACCIO C	10852013	9500L	-117.295243072	33.9530374688	25	1491962
4113188E	CONCRETE	1990	WORDSWORTH ROAD S/S, 220' E/O MORTAN RO	10852013	9500L	-117.295868877	33.9532877560	25	1491962
4150986E	CONCRETE	1990	LORD MURPHY COURT S/S, 180' E/O MORTON RO	10852013	9500L	-117.296014492	33.9541102087	25	1491962
4150996E	CONCRETE	1990	N/S GALLANT FOX, 50' E/O COUNT FLEET	10852013	9500L	-117.294210786	33.9542118553	25	1491962
4150989E	CONCRETE	1990	DAY STAR PLACE S/S, 50' E/O GALLANT FOX DRIVE	10852013	9500L	-117.295129066	33.9557826266	25	1491962
4150990E	CONCRETE	1990	DAY STAR PLACE S/S, 450' E/O GALLANT FOX DRIV	10852013	9500L	-117.294096725	33.9557566917	25	1491962
4150992E	CONCRETE	1990	GALLANT FOX DRIVE W/S, 230' S/O DAY STAR PLA	10852013	9500L	-117.295356114	33.9551928122	25	1491962
4150993E	CONCRETE	1990	GALLANT FOX DRIVE E/S, 280' N/O COUNT FLEET	10852013	9500L	-117.295021794	33.9548600767	25	1491962
4150994E	CONCRETE	1990	GALLANT FOX DRIVE W/S, 160' W/O COUNT FLEET	10852013	9500L	-117.294874038	33.9544089452	25	1491962
4150995E	CONCRETE	1990	COUNT FLEET COURT E/S, 90' N/O GALLANT FOX D	10852013	9500L	-117.294203237	33.9544469873	25	1491962
4497276E	CONCRETE	2003	FRANK HALE RD S/S, 52' E/O C/L MORTON RD	10852013	9500L	-117.296104852	33.9563803120	27	1491962
4497278E	CONCRETE	2003	FRANK HALE RD S/S, 228' W/O C/L HILMER CT	10852013	9500L	-117.294897844	33.9565867159	27	1491962
4497279E	CONCRETE	2003	FRANK HALE RD S/S, 4' W/O C/L HILMER CT	10852013	9500L	-117.294199542	33.9566488833	27	1491962
4497280E	CONCRETE	2003	FRANK HALE RD S/S, 122' E/O C/L HILMER CT	10852013	9500L	-117.293773561	33.9565753776	27	1491962
4497281E	CONCRETE	2003	PENUNURI PL N/S, 67' W/O C/L GALLANT FOX DR	10852013	9500L	-117.295427178	33.9558719204	27	1491962
4497277E	CONCRETE	2003	FRANK HALE RD N/S, 244' E/O C/L MORTON RD	10852013	9500L	-117.295480262	33.9566123986	27	1491962
4112742E	CONCRETE	1990	W/S FRANKHALE, 40' N/O SHAKESPEARE	10852016	9500L	-117.289892771	33.9529327989	25	1491962
4112743E	CONCRETE	1990	S/S SHAKESPEARE, 180' E/O FRANKHALE	10852016	9500L	-117.289308385	33.9528178830	25	1491962
4112744E	CONCRETE	1990	E/S FRANKHALE, 140' S/O SHAKESPEARE	10852016	9500L	-117.289759509	33.9525063402	25	1491962
4112748E	CONCRETE	1990	S/S TENNYSON, 160' W/O FRANKHALE	10852016	9500L	-117.290245169	33.9536581878	25	1491962
4113153E	CONCRETE	1990	W/S CLARK, 420' N/O DICKINSON	10852016	9500L	-117.287825962	33.9524789420	25	1491962
4113154E	CONCRETE	1990	W/S CLARK, 50' S/O TENNYSON	10852016	9500L	-117.287828510	33.9535706505	25	1491962
4113183E	CONCRETE	1990	S/S TENNYSON, 440' E/O WORDSWORTH	10852016	9500L	-117.293309041	33.9524086765	25	1491962
4113191E	CONCRETE	1990	N/S TENNYSON, 380' W/O CHAUCER	10852016	9500L	-117.292718039	33.9528689392	25	1491962
4113192E	CONCRETE	1990	S/S TENNYSON, 170' W/O CHAUCER	10852016	9500L	-117.292314057	33.9530052104	25	1491962
4113193E	CONCRETE	1990	N/S TENNYSON, 40' E/O CHAUCER	10852016	9500L	-117.291908559	33.9534313635	25	1491962
4113194E	CONCRETE	1990	S/S TENNYSON, 230' E/O CHAUCER	10852016	9500L	-117.291275804	33.9535612475	25	1491962
4113195E	CONCRETE	1990	S/S TENNYSON, 45' E/O FRANKHALE	10852016	9500L	-117.289665527	33.9536464991	25	1491962
4113196E	CONCRETE	1990	S/S TENNYSON, 410' E/O FRANKHALE	10852016	9500L	-117.288215255	33.9536425816	25	1491962
4113197E	CONCRETE	1990	N/S SHAKESPEARE, 800' W/O FRANKHALE	10852016	9500L	-117.292016925	33.9522748729	25	1491962
4113198E	CONCRETE	1990	S/S SHAKESPEARE, 570' W/O FRANKHALE	10852016	9500L	-117.291334838	33.9526585520	25	1491962
4113199E	CONCRETE	1990	N/S SHAKESPEARE, 420' W/O FRANKHALE	10852016	9500L	-117.290963135	33.9528689049	25	1491962
4113200E	CONCRETE	1990	S/S SHAKESPEARE, 220' W/O FRANKHALE	10852016	9500L	-117.290516186	33.9528254006	25	1491962
4150997E	CONCRETE	1990	S/S GALLANT FOX, 20' E/O WINTER GREEN	10852016	9500L	-117.293113571	33.9540942215	25	1491962
4150999E	CONCRETE	1990	W/S CHAUCER, 50' S/O GALLANT FOX	10852016	9500L	-117.292332367	33.9540324110	25	1491962
4224257E	CONCRETE	1992	CALLE MONOCO S/S, 100' E/O MINDORA DRIVE E	10852016	9500L	-117.286612400	33.9524828191	25	1491962
4224258E	CONCRETE	1992	N/W COR/O CALLE MONOCO & MINDORA DRIVE	10852016	9500L	-117.287194710	33.9527676850	25	1491962
4224259E	CONCRETE	1992	MINDORA DRIVE W/S, 145' N/O CALLE MONOCO	10852016	9500L	-117.287195964	33.9531195786	25	1491962
4224260E	CONCRETE	1992	N/E COR/O MINDORA DRIVE & CALLE PRIMA	10852016	9500L	-117.287048959	33.9536251551	25	1491962
4224261E	CONCRETE	1992	W/S MINDORA N/O CALLE PRIMA AT END O CULD	10852016	9500L	-117.287237708	33.9541659517	25	1491962
4224262E	CONCRETE	1992	CLARK STREET E/S, 135' N/O CALLE MONOCO	10852016	9500L	-117.287689378	33.9530897047	25	1491962
4224263E	CONCRETE	1992	CALLE PRIMA S/S, 220' E/O MINDORA DRIVE	10852016	9500L	-117.286454515	33.9533711130	25	1491962
4224264E	CONCRETE	1992	CALLE PRIMA N/S, 360' E/O MINDORA STREET	10852016	9500L	-117.285990710	33.9532735479	25	1491962
4224265E	CONCRETE	1992	CALLE PRIMA W/S, 310' N/O DEL AMO STREET	10852016	9500L	-117.285381260	33.9525637158	25	1491962
4150991E	CONCRETE	1990	DAY STAR PLACE S/S, 790' E/O GALLANT FOX DRIV	10852016	9500L	-117.293113100	33.9557577171	25	1491962
4150998E	CONCRETE	1990	WINTER GREEN COURT W/S, 120' N/O GALLANT F	10852016	9500L	-117.293231890	33.9545407904	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4151000E	CONCRETE	1990	CHAUCER STREET W/S, 220' N/O GALLANT FOX DR	10852016	9500L	-117.292312385	33.9545810218	25	1491962
4497282E	CONCRETE	2003	JENNINGS CT S/S, 277' E/O ROBERTA CT	10852016	9500L	-117.293294494	33.9565144304	27	1491962
4571187E	CONCRETE	2004	TENNYSON RD N/S 203' W/O GREYSON RD	10852016	9500L	-117.289501146	33.9537384450	27	1491962
4571188E	CONCRETE	2004	BAILEY RD E/S 138' N/O TENNYSON RD	10852016	9500L	-117.291266737	33.9539969196	27	1491962
4571189E	CONCRETE	2004	BAILEY RD W/O GREYSON	10852016	9500L	-117.291277005	33.9546929582	27	1491962
4571190E	CONCRETE	2004	BAILEY RD N/S 572' W/O GREYSON RD	10852016	9500L	-117.290720211	33.9547117436	27	1491962
4571191E	CONCRETE	2004	BAILEY RD S/S 414' W/O GREYSON RD	10852016	9500L	-117.290216091	33.9545575213	27	1491962
4571192E	CONCRETE	2004	BAILEY RD N/S 210' W/O GREYSON RD	10852016	9500L	-117.289560529	33.9546111180	27	1491962
4571193E	CONCRETE	2004	GREYSON RD W/S 131' N/O TENNYSON RD	10852016	9500L	-117.288892656	33.9540312143	27	1491962
4571194E	CONCRETE	2004	GREYSON RD E/S 39' S/O BAILEY RD	10852016	9500L	-117.288951627	33.9546526517	27	1491962
4571195E	CONCRETE	2004	GREYSON RD W/S 143' N/O BAILEY RD	10852016	9500L	-117.289243184	33.9549424340	27	1491962
4571196E	CONCRETE	2004	GREYSON RD N/S 335' N/O BAILEY RD	10852016	9500L	-117.289696429	33.9553643382	27	1491962
4571197E	CONCRETE	2004	GREYSON RD S/S 530' N/O BAILEY RD	10852016	9500L	-117.290414349	33.9554859116	27	1491962
4571198E	CONCRETE	2004	GREYSON RD N/S 1154' N/O TENNYSON RD	10852016	9500L	-117.290945633	33.9556750044	27	1491962
4571199E	CONCRETE	2004	GREYSON RD S/S 1010' N/O TENNYSON RD	10852016	9500L	-117.291443518	33.9558937316	27	1491962
4571200E	CONCRETE	2004	GREYSON RD E/S 705' N/O TENNYSON RD	10852016	9500L	-117.291594375	33.9553790017	27	1491962
2227742E	CONCRETE	1981	KIWI CT W/S 315' N/O SWAN ST	10852025	9500L	-117.259478179	33.9529001221	25	1491962
2227743E	CONCRETE	1981	KIWI CT W/S 505' N/O SWAN ST	10852025	9500L	-117.259365486	33.9534176466	25	1491962
2227747E	CONCRETE	1981	PARRAKEET CIR. W/S 310' N/O SWAN ST	10852025	9500L	-117.258486156	33.9529465888	25	1491962
2227748E	CONCRETE	1981	PARRAKEET CIR W/S 500' N/O SWAN ST	10852025	9500L	-117.258382710	33.9534090838	25	1491962
2283902E	CONCRETE	1984	HARLAN DR S/S 130 E/O PIGEON PASS RD	10852025	9500L	-117.259796313	33.9542799243	25	1491962
2283904E	CONCRETE	1984	HARLAN DR S/S 285 W/O RYAN WY	10852025	9500L	-117.258545392	33.9542805595	25	1491962
2283906E	CONCRETE	1984	HARLAN DR S/S AND RYAN WY	10852025	9500L	-117.257607227	33.9542746630	25	1491962
2290391E	CONCRETE	1984	BOBLINK LN S/O WOODPECKER PATH	10852025	9500L	-117.257450478	33.9529536509	25	1491962
2290392E	CONCRETE	1984	BOBLINK LN 250 W/O WOODPECKER	10852025	9500L	-117.257281142	33.9535108030	25	1491962
2290393E	CONCRETE	1984	BOBLINK LN 150 W/O WOODPECKER PATH	10852025	9500L	-117.256940120	33.9533907754	25	1491962
2290394E	CONCRETE	1984	WOODPECKER PATH AND BOBLINK	10852025	9500L	-117.256482948	33.9534989118	25	1491962
2290395E	CONCRETE	1984	WOODPECKER PATH W/S 150 S/O BOBLINK	10852025	9500L	-117.256572191	33.9530468636	25	1491962
2292514E	CONCRETE	1984	HONEY HOLLOW E/S 265' N/O WOODPECKER PATH	10852025	9500L	-117.255247103	33.9531272892	25	1491962
2292515E	CONCRETE	1984	HONEY HOLLOW E/S 125' N/O TOUCAN PL	10852025	9500L	-117.255452089	33.9538000590	25	1491962
2292516E	CONCRETE	1984	TOUCAN PL. N/W 120' E/O HONEY HOLLOW	10852025	9500L	-117.255041158	33.9534972788	25	1491962
2292517E	CONCRETE	1984	BARBET CT W/S 130' S/O TOUCAN PL	10852025	9500L	-117.254324583	33.9531123425	25	1491962
2292518E	CONCRETE	1984	TOUCAN PL N/S 360' E/O HONEY HOLLOW	10852025	9500L	-117.254289242	33.9534878544	25	1491962
2309920E	CONCRETE	1985	HARLAND DR. N/S 380' E/O HONEY HOLLOW	10852025	9500L	-117.254250450	33.9543466129	25	1491962
2309921E	CONCRETE	1985	HARLAND DR, S/S, 210' E/O HONEY HOLLOW	10852025	9500L	-117.254768444	33.9542547761	25	1491962
2309922E	CONCRETE	1985	HARLAND DR, N/S COR/O HONEY HOLLOW	10852025	9500L	-117.255516664	33.9543584428	25	1491962
2309923E	CONCRETE	1985	HARLAND DR, S/S, 210' W/O HONEY HOLLOW	10852025	9500L	-117.256320931	33.9542595359	25	1491962
2283903E	CONCRETE	1984	HARLAN DR S/S 310 E/O PIGEON PASS RD	10852025	9500L	-117.259221762	33.9542731617	25	1491962
2283905E	CONCRETE	1984	HARLAN DR N/S 120 W/O RYAN WY	10852025	9500L	-117.257987461	33.9543652855	25	1491962
2283907E	CONCRETE	1984	W/S RYAN WY 140 N/O HARLAND	10852025	9500L	-117.257642608	33.9547666123	25	1491962
2283908E	CONCRETE	1984	SONNET N/S AT RYAN WY	10852025	9500L	-117.257555001	33.9553025543	25	1491962
2283909E	CONCRETE	1984	SONNET S/S 120 W/O 120 RYAN WY	10852025	9500L	-117.258020026	33.9552136854	25	1491962
2283910E	CONCRETE	1984	SONNET N/S 290 W/O RYAN WY	10852025	9500L	-117.258619010	33.9552963026	25	1491962
2283911E	CONCRETE	1984	SONNET S/S 300 E/O PIGEON PASS RD	10852025	9500L	-117.259243861	33.9552097242	25	1491962
2283912E	CONCRETE	1984	N/S SONNET 170 E/O PIGEON PASS	10852025	9500L	-117.259865433	33.9552902518	25	1491962
2290038E	CONCRETE	1983	WESTERNRIDGE S/S SADLERIDGE EXTD	10852025	9500L	-117.260078993	33.9562234944	30	1491962
2290039E	CONCRETE	1983	SADLERIDGE E/S 150 N/O WESTERNRIDGE	10852025	9500L	-117.260074360	33.9566449705	30	1491962
2290040E	CONCRETE	1983	WESTERNRIDGE S/S 200 E/O SADDLE RIDGE	10852025	9500L	-117.259279071	33.9562256975	30	1491962
2290041E	CONCRETE	1983	WESTERNRIDGE N/S 100 W/O GUNSMOKE	10852025	9500L	-117.258920894	33.9563240716	30	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2290042E	CONCRETE	1983	WESTERN RIDGE S/S GUNSMOKE	10852025	9500L	-117.258554816	33.9562403675	30	1491962
2290043E	CONCRETE	1983	GUNSMOKE W/S 100 N/O WESTERN RIDGE	10852025	9500L	-117.258614921	33.9567530339	30	1491962
2290044E	CONCRETE	1983	WESTERNRIDGE N/S 200 E/O GUNSMOKE	10852025	9500L	-117.257802376	33.9563112320	30	1491962
2290045E	CONCRETE	1983	WESTERN RIDGE S/S SHOEDOWN	10852025	9500L	-117.257025918	33.9562242340	30	1491962
2290046E	CONCRETE	1983	SHOWDOWN LN 100 N/O WESTERN RIDGE	10852025	9500L	-117.257121009	33.9566975132	30	1491962
2290047E	CONCRETE	1983	WESTERN RIDGE N/S 100 E/O SHOWDOWN	10852025	9500L	-117.256669178	33.9563264115	30	1491962
2309909E	CONCRETE	1985	SONNET DR, N/S LOT 2	10852025	9500L	-117.256919039	33.9552865916	25	1491962
2309924E	CONCRETE	1985	HARLAND DR, N/S LOT 49	10852025	9500L	-117.256935757	33.9543755348	25	1491962
2309932E	CONCRETE	1985	RANGER ST, N/S, 135' E/O OUTLAW WY	10852025	9500L	-117.258577668	33.9582362423	25	1491962
2309933E	CONCRETE	1985	RANGER ST, S/S, COR/O OUTLAW WAY	10852025	9500L	-117.259038296	33.9581695649	25	1491962
2309937E	CONCRETE	1985	RANGER ST, S/S, 105' E/O SADDLE RIDGE	10852025	9500L	-117.260271946	33.9581651236	25	1491962
2309938E	CONCRETE	1985	SADDLE RIDGE RD, E/S, 350' S/O RANGER ST	10852025	9500L	-117.260260178	33.9570772529	25	1491962
2352063E	CONCRETE	1987	SADDLE RIDGE, W/S, 660' S/O LONE STAR RD	10852025	9500L	-117.260601435	33.9580790698	25	1491962
2352064E	CONCRETE	1987	SADDLE RIDGE, W/S, 860' S/O LONE STAR RD	10852025	9500L	-117.260383537	33.9575130633	25	1491962
2292313E	CONCRETE	1984	CHIEF LANE W/S 190 N/O WESTERN RIDGE	10852025	9500L	-117.254087003	33.9569461083	25	1491962
2292314E	CONCRETE	1984	CHIEF LANE E/S 270 N/O WESTERN RIDGE	10852025	9500L	-117.253985876	33.9575441808	25	1491962
2292315E	CONCRETE	1984	PIONEER RIDGE W/S 300 N/O WESTERN RIDGE	10852025	9500L	-117.255631377	33.9571151745	25	1491962
2292316E	CONCRETE	1984	PIONEER RIDGE E/S 500 N/O WESTERN RIDGE	10852025	9500L	-117.255711875	33.9576387299	25	1491962
2292317E	CONCRETE	1984	PIONEER RIDGE W/S 160 N/O WESTERN RIDGE	10852025	9500L	-117.255430513	33.9566418505	25	1491962
2292318E	CONCRETE	1984	WESTERN RIDGE S/S 200 W/O PIONEER RIDGE	10852025	9500L	-117.256196799	33.9562453988	25	1491962
2292319E	CONCRETE	1984	WESTERN RIDGE S/S 270 W/O CHIEF LANE	10852025	9500L	-117.255176400	33.9562319300	25	1491962
2292320E	CONCRETE	1984	WESTERN RIDGE N/S 25 W/O PIONEER RIDGE	10852025	9500L	-117.255412964	33.9563311648	25	1491962
2292321E	CONCRETE	1984	WESTERN RIDGE S/S 25 E/O CHIEF LANE	10852025	9500L	-117.253922700	33.9562328651	25	1491962
2292322E	CONCRETE	1984	WESTERN RIDGE N/S 100 W/O CHIEF LANE	10852025	9500L	-117.254423332	33.9563189230	25	1491962
2309910E	CONCRETE	1985	SONNET DR, S/S, LOT 83	10852025	9500L	-117.256479647	33.9551923591	25	1491962
2309911E	CONCRETE	1985	SONNET DR, N/S, LOT 8	10852025	9500L	-117.255955656	33.9552898677	25	1491962
2309912E	CONCRETE	1985	SONNET DR, S/S LOT 77	10852025	9500L	-117.255349442	33.9551888709	25	1491962
2309913E	CONCRETE	1985	SONNET DR, N/S LOT 14	10852025	9500L	-117.254763396	33.9552776185	25	1491962
2309914E	CONCRETE	1985	SONNET DR,S/S COR/O CHIEF LN	10852025	9500L	-117.253990612	33.9551894366	25	1491962
2309915E	CONCRETE	1985	CHIEF LN, W/S 165' N/O SONNET DR	10852025	9500L	-117.254073312	33.9557477440	25	1491962
2309925E	CONCRETE	1985	PIONEER RIDGE DR, W/S, 235' S/O RANGER ST	10852025	9500L	-117.256163195	33.9582576353	25	1491962
2227737E	CONCRETE	1981	PIGEON PASS RD E/S 660' N/O SWAN ST	10852025	22000L	-117.260100982	33.9538064507	25	1491960
2227738E	CONCRETE	1981	PIGEON PASS RD E/S 470' N/O SWAN ST	10852025	22000L	-117.260068223	33.9533140394	25	1491960
2283901E	CONCRETE	1984	REDOON PASS RD E/S 40 S/O HARLAN DR	10852025	22000L	-117.260139331	33.9542358146	25	1491960
2283913E	CONCRETE	1984	PIGEON PASS RD E/S 40 N/O SONNET DR	10852025	22000L	-117.260486232	33.9553371762	30	1491960
2283914E	CONCRETE	1984	PIGEON PASS RD E/S 140 S/O SONNET	10852025	22000L	-117.260293962	33.9548318098	30	1491960
4526151E	CONCRETE	2006	BLUE JAY CT W/S, 496' N/O SWAN ST	10852025	9500L	-117.260869468	33.9533422844	27	1491962
4653294E	CONCRETE	2006	PIGEON PASS RD W/S, 652' N/O SWAN ST	10852025	22000L	-117.260253202	33.9538453307	32	1491960
4653295E	CONCRETE	2006	PIGEON PASS RD W/S, 473' N/O SWAN ST	10852025	22000L	-117.260218055	33.9533342742	32	1491960
4653300E	CONCRETE	2006	BLUE JAY CT E/S, 306' N/O SWAN ST	10852025	9500L	-117.260835407	33.9529902861	27	1491962
4697390E	CONCRETE	2010	PIGEON PASS ROAD W/S N/O SONNET DRIVE	10852025	22000L	-117.260601286	33.9553276527	32	1491960
4697391E	CONCRETE	2010	PIGEON PASS ROAD E/S S/O WESTERN RIDGE	10852025	22000L	-117.260663731	33.9557810789	32	1491960
4697394E	CONCRETE	2010	PIGEON PASS ROAD E/S, N/O WESTERN RIDGE	10852025	22000L	-117.261025615	33.9566160732	32	1491960
4697397E	CONCRETE	2010	PIGEON PASS ROAD W/S N/O WESTERN RIDGE	10852025	22000L	-117.261499939	33.9576468538	32	1491960
4697398E	CONCRETE	2010	PIGEON PASS ROAD E/S S/O MANZANITA AVE.	10852025	22000L	-117.261378363	33.9577702104	32	1491960
4697400E	CONCRETE	2010	PIGEON PASS ROAD E/S, S/O MANZANITA AVE.	10852025	22000L	-117.261410957	33.9581801373	32	1491960
4697393E	CONCRETE	2010	PIGEON PASS ROAD W/S N/O WESTERN RIDGE	10852025	22000L	-117.261146124	33.9565842893	32	1491960
4697396E	CONCRETE	2010	PIGEON PASS ROAD W/S N/O WESTERN RIDGE	10852025	22000L	-117.261355878	33.9570765595	32	1491960
4697388E	CONCRETE	2010	PIGEON PASS ROAD W/S S/O HARLAND DRIVE.	10852025	22000L	-117.260294527	33.9542846308	32	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4697389E	CONCRETE	2010	PIGEON PASS ROAD W/S, S/O SONNET DRIVE	10852025	22000L	-117.260427098	33.9548374490	32	1491960
5697395E	CONCRETE	2010	PIGEON PASS ROAD E/S, 385' N/O WESTER RIDGE	10852025	22000L	-117.261210577	33.9570881397	32	1491960
4697392E	CONCRETE	2010	PIGEON PASS ROAD W/S S/O WESTERN RIDGE	10852025	22000L	-117.260798824	33.9557608301	32	1491960
2292519E	CONCRETE	1984	TOUCAN PL S/S 175' E/O BARBET CT	10852028	9500L	-117.253650029	33.9534244293	25	1491962
2309918E	CONCRETE	1985	PICKFORD WAY, E/S 20' N/O HARLAND	10852028	9500L	-117.253085546	33.9543445940	25	1491962
2309919E	CONCRETE	1985	HARLAND DR, S/S 140' W/O PICKFORD WY	10852028	9500L	-117.253652373	33.9542705347	25	1491962
2292323E	CONCRETE	1984	WESTERN RIDGE N/S 205 E/O CHIEF LANE	10852028	9500L	-117.253332188	33.9563086238	25	1491962
2292324E	CONCRETE	1984	WESTERN RIDGE S/S 340 E/O CHIEF LANE	10852028	9500L	-117.252815685	33.9562255611	25	1491962
2302616E	CONCRETE	1985	MARK TWAIN, N/S, COR/O WEINHART	10852028	9500L	-117.247342236	33.9574427830	25	1491962
2302617E	CONCRETE	1985	MARK TWAIN, S/S, COR/O REDHILL	10852028	9500L	-117.248065554	33.9576447997	25	1491962
2302618E	CONCRETE	1985	MARK TWAIN, S/S, 290' W/O REDHILL	10852028	9500L	-117.248828735	33.9579918515	25	1491962
2302619E	CONCRETE	1985	MARK TWAIN, W/S, E/O REDHILL	10852028	9500L	-117.248411560	33.9579297226	25	1491962
2302621E	CONCRETE	1985	REDHILL, W/S, 250' N/O MARK TWAIN	10852028	9500L	-117.247747435	33.9582686001	25	1491962
2302627E	CONCRETE	1985	COLD SPRING, E/S, COR/O ASHWOOD	10852028	9500L	-117.249458526	33.9584027542	25	1491962
2309916E	CONCRETE	1985	PICKFORD WY, E/S 20' S/O SONNET DR	10852028	9500L	-117.253100192	33.9551748445	25	1491962
2309917E	CONCRETE	1985	PICKFORD WY, W/S, 163' S/O SONNET DR	10852028	9500L	-117.253234961	33.9548076291	25	1491962
2302245E	CONCRETE	1985	BADGER SPRINGS, 170' W/O MINERS TR	10852028	9500L	-117.245061382	33.9579364089	25	1491962
2302246E	CONCRETE	1985	MINERS TR, 280' S/O BADGER SPRINGS	10852028	9500L	-117.244518392	33.9571442700	25	1491962
2302601E	CONCRETE	1985	PARKLAND AVE, S/S, COR/O MARK TWAIN	10852028	9500L	-117.244851320	33.9567518922	25	1491962
2302602E	CONCRETE	1985	PARKLAND AVE, N/S, 410' E/O COPPER HILL	10852028	9500L	-117.245505044	33.9573695481	25	1491962
2302604E	CONCRETE	1985	PARKLAND AVE, N/S, 50' E/O COPPER HILL PL	10852028	9500L	-117.246189068	33.9581857191	25	1491962
2302612E	CONCRETE	1985	MARK TWAIN, N/S, S/O PARKLAND AVE	10852028	9500L	-117.245338529	33.9565060638	25	1491962
2302613E	CONCRETE	1985	MARK TWAIN, S/S, 580' E/O PARKLAND AVE	10852028	9500L	-117.246330440	33.9568567728	25	1491962
2302615E	CONCRETE	1985	WEINHART, 190' N/O MARK TWAIN	10852028	9500L	-117.246999291	33.9577493002	25	1491962
2302650E	CONCRETE	1985	MINERS TR, E/S, COR/O BADGER SPRINGS	10852028	9500L	-117.244420659	33.9580039608	25	1491962
4059631E	CONCRETE	1989	E/S SANDPIPER, 460' N/O GREGORY	10852028	9500L	-117.244557921	33.9531942722	25	1491962
2307251E	CONCRETE	1985	HEACOCK ST, W/S, COR/O PARKLAND	10852028	22000L	-117.243988527	33.9566739041	29	1491960
2307252E	CONCRETE	1985	HEACOCK ST, W/S, COR/O BADGER SPRINGS TR	10852028	22000L	-117.244000327	33.9579963986	29	1491960
4059624E	CONCRETE	1989	W/S HEACOCK, 630' N/O GREGORY	10852028	22000L	-117.243920879	33.9538762574	29	1491960
2150432E	CONCRETE	1978	SUNNYRIDGE DR N/S 100' E/O INDIAN ST	10852031	5800L	-117.234739093	33.9580420624	25	1491962
2150433E	CONCRETE	1978	SUNNYRIDGE DR S/S 300' E/O INDIAN AVE	10852031	5800L	-117.234086445	33.9579389136	25	1491962
2150434E	CONCRETE	1978	FERNVIEW E/S 180 N/O SUNNYRIDGE DR	10852031	5800L	-117.234498665	33.9583662407	25	1491962
2226477E	CONCRETE	1980	BADGER SPRING TR S/S P/P 160' E/O CHIPPAWA T	10852031	9500L	-117.240480612	33.9579039789	25	1491962
2207204E	CONCRETE	1980	NORTH END SEAPORT CIRCLE 520' N/O MOONRA	10852031	9500L	-117.238618593	33.9536000036	30	1491962
2207208E	CONCRETE	1980	NORTH END SPYGLASS CIRCLE 520' N/O MOONRA	10852031	9500L	-117.237664642	33.9536191520	30	1491962
2289984E	CONCRETE	1984	LEISURE W/S 420 N/O CONQUISTIDOR	10852031	9500L	-117.243254838	33.9532382261	25	1491962
2289986E	CONCRETE	1984	TRIUMPH E/S 360 N/O CONQUISTIDOR	10852031	9500L	-117.242147844	33.9532911441	25	1491962
2207211E	CONCRETE	1980	DAYBREAK TRAIL E/S, 310' N/O MOONRAKER LAN	10852031	9500L	-117.236700605	33.9533464357	30	1491962
2207214E	CONCRETE	1993	RIDECREST LANE W/S, 150' N/O EBBTIDE LANE	10852031	9500L	-117.235747064	33.9533863358	25	1491962
2226474E	CONCRETE	1980	DAVIS ST W/S P/P 55' C/L/O BADGER SPRING TR	10852031	9500L	-117.239596647	33.9578397302	25	1491962
2226475E	CONCRETE	1980	DAVIS ST 115' N/O C/LO BADGER SPRING TR	10852031	9500L	-117.239539503	33.9582449308	25	1491962
2226476E	CONCRETE	1980	BADGER SPRING TR N/S 240' W/O DAVIS ST	10852031	9500L	-117.239949588	33.9579920320	25	1491962
2226478E	CONCRETE	1980	BADGER SPRING TR S/S P/P 30' E/O C/L/O CHIPPA	10852031	9500L	-117.241216459	33.9579045858	25	1491962
2226479E	CONCRETE	1980	CHIPPAWA TR P/P W/S 165' C/L/O BADGER SPRIN	10852031	9500L	-117.241261322	33.9584511278	25	1491962
2286404E	CONCRETE	1984	SANDY GLADE AVE, N/S 70' W/O GREEN GLEN AV	10852031	9500L	-117.242547468	33.9559030299	25	1491962
2286405E	CONCRETE	1984	GREEN GLEN ST. W/S 150' N/O SANDY GLADE AVE	10852031	9500L	-117.242258928	33.9562402633	25	1491962
2286406E	CONCRETE	1984	GREEN GLEN ST. E/S 20' N/O ROSELEAF PL	10852031	9500L	-117.242137462	33.9568017529	25	1491962
2286407E	CONCRETE	1984	GREEN GLEN ST. 200' N/O ROSELEAF PL	10852031	9500L	-117.242171727	33.9572622043	25	1491962
2286408E	CONCRETE	1984	ROSELEAF PL. N/S 210' W/O GREEN GLEN ST.	10852031	9500L	-117.242893849	33.9567883925	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2286409E	CONCRETE	1984	ROSELEAF PL 450' W/O GREEN GLEN PL	10852031	9500L	-117.243046103	33.9572475133	25	1491962
2286410E	CONCRETE	1984	SANDY GLADE AVE N/S 30' E/O BLUEWOOD PL	10852031	9500L	-117.241441996	33.9558942457	25	1491962
2286411E	CONCRETE	1984	BLUEWOOD PL 180' N/O SANDY GLEN AVE	10852031	9500L	-117.241467091	33.9564221857	25	1491962
2286412E	CONCRETE	1984	SANDY GLADE AVE, N/S 35' W/O SAGEWOOD PL	10852031	9500L	-117.240585025	33.9559038503	25	1491962
2286413E	CONCRETE	1984	SAGEWOOD PL 180' N/O SANDY GLADE AVE	10852031	9500L	-117.240514399	33.9564485479	25	1491962
2286414E	CONCRETE	1984	DAVIS ST. W/S 40' N/O SANDY GLADE AVE	10852031	9500L	-117.239533519	33.9559341257	25	1491962
2292521E	CONCRETE	1984	BADGER SPRINGS N/S 605 E/O HEACOCK	10852031	9500L	-117.241836422	33.9579890814	25	1491962
2292522E	CONCRETE	1984	BADGER SPRINGS S/S 425 E/O HEACOCK	10852031	9500L	-117.242468842	33.9579131967	25	1491962
2292523E	CONCRETE	1984	BADGER SRINGS TRAIL N/S 130 E/O FORSYTHE ST	10852031	9500L	-117.242825941	33.9580106115	25	1491962
2292525E	CONCRETE	1984	BADGER SPRINGS TRAIL S/S COR/O FORSYTHE ST	10852031	9500L	-117.243235230	33.9579014014	25	1491962
2292526E	CONCRETE	1984	ROYALE ST W/S 150 N/O BADGER SPRINGS TRAIL	10852031	9500L	-117.242256760	33.9583138262	25	1491962
2292530E	CONCRETE	1984	FORSYTHE ST E/S 95 N/O BADGER SPRINGS TRAIL	10852031	9500L	-117.243177980	33.9582168780	25	1491962
2297307E	CONCRETE	1984	TRIUMPH E/S @ SANDBOW	10852031	9500L	-117.242177679	33.9543980884	25	1491962
2297308E	CONCRETE	1984	SANDBOW N/S 130 W/O TRIUMPH	10852031	9500L	-117.242611556	33.9544241045	25	1491962
2297309E	CONCRETE	1984	SANDBOW S/S 122 E/O HEACOCK	10852031	9500L	-117.243443705	33.9543332766	25	1491962
2297311E	CONCRETE	1984	TRIUMPH LANE W/S 180 N/O SANDBOW	10852031	9500L	-117.242220000	33.9545443334	25	1491962
2297314E	CONCRETE	1984	SANDSTONE W/S 185 N/O SANDBOW	10852031	9500L	-117.243216210	33.9550364811	25	1491962
2327686E	CONCRETE	1984	SANDY GLADE S/S 490 E/O HEACOCK	10852031	9500L	-117.242023414	33.9558188661	25	1491962
2327687E	CONCRETE	1984	SANDY GLADE S/S 125 E/O HEACOCK	10852031	9500L	-117.243163563	33.9558176492	25	1491962
2199158E	CONCRETE	1980	SKYLAND DR S/S 120' E/O INDIAN AVE	10852031	9500L	-117.234724824	33.9569573864	25	1491962
2199159E	CONCRETE	1980	SKYLAND N/S 330' E/O INDIAN AVE	10852031	9500L	-117.234108771	33.9570493273	25	1491962
2199162E	CONCRETE	1980	SKYROCK DR S/S 377' E/O INDIAN AVE	10852031	9500L	-117.234042292	33.9561282848	25	1491962
2199163E	CONCRETE	1980	SKYROCK DR N/S 135' E/O INDIAN AVE	10852031	9500L	-117.234679512	33.9562071342	25	1491962
2203951E	CONCRETE	1981	S/E COR/O SUNDIAL WAY AND MORNING STAR L	10852031	9500L	-117.235772192	33.9543246213	25	1491962
2203952E	CONCRETE	1981	MORNING STAR E/S170' N/O SUNDIAL WAY	10852031	9500L	-117.235764941	33.9547196001	25	1491962
2203953E	CONCRETE	1981	MORNING STAR E/S 400' N/O SUNDIAL WAY	10852031	9500L	-117.235770425	33.9553823870	25	1491962
2203957E	CONCRETE	1981	DAYBREAK TRAIL E/S 145'S/O SUNDIAL WAY	10852031	9500L	-117.236615923	33.9540634791	25	1491962
2204098E	CONCRETE	1981	DAYBREAK TRAIL W/S 30' N/O SUNDIAL WAY	10852031	9500L	-117.236759258	33.9545235541	25	1491962
2206727E	CONCRETE	1981	DAYBREAK WAY E/S 175' N/O SUNDIAL WAY	10852031	9500L	-117.236647834	33.9549315350	25	1491962
2207481E	CONCRETE	1981	DAYBREAK WAY W/S 385' N/O SUNDIAL WAY	10852031	9500L	-117.236744902	33.9553592718	25	1491962
2224902E	CONCRETE	1981	SUNDIAL WAY S/S, 190' E/O INDIAN AVENUE	10852031	9500L	-117.234548874	33.9543240951	25	1491962
2224904E	CONCRETE	1981	SUNDIAL WY AND INDIAN AVE	10852031	9500L	-117.235066929	33.9544675973	25	1491962
2224905E	CONCRETE	1981	BRIGHT STAR W/S 325' N/O SUNDIAL WAY	10852031	9500L	-117.234610200	33.9550251183	25	1491962
2224906E	CONCRETE	1981	MOONTIDE AND BRIGHT STAR	10852031	9500L	-117.234482320	33.9553874491	25	1491962
2224907E	CONCRETE	1981	MOONTIDE LN S/S 160' E/O BRIGHT STAR	10852031	9500L	-117.234030069	33.9552587431	25	1491962
2224909E	CONCRETE	1981	SUNDIAL WAY N/S, 370' E/O INDIAN AVENUE	10852031	9500L	-117.233949500	33.9544305809	25	1491962
4229963E	CONCRETE	1993	INDIAN AVE W/S 420 N/O SUNDIAL WAY	10852031	9500L	-117.235163228	33.9555300682	25	1491962
2207215E	CONCRETE	1980	INDIAN AVENUE W/S, 120' N/O EBBTIDE LANE	10852031	22000L	-117.235210497	33.9533572297	25	1491960
2286402E	CONCRETE	1984	HEACOCK ST. E/S 640' N/O SANDY GLADE	10852031	22000L	-117.243814609	33.9576088833	25	1491960
2286403E	CONCRETE	1984	HEACOCK ST. E/S 120' N/O SANDY GLADE AVE	10852031	22000L	-117.243768647	33.9561832309	25	1491960
2297310E	CONCRETE	1984	HEACOCK E/S 25 N/O SANDBOW	10852031	22000L	-117.243733029	33.9544341538	29	1491960
2297312E	CONCRETE	1984	HEACOCK E/S 25 S/O SANDY GLAZE AVE	10852031	22000L	-117.243786521	33.9558033925	29	1491960
2302217E	CONCRETE	1984	HEACOCK ST E/S 115 N/O BADGER SPRINGS TRAIL	10852031	22000L	-117.243808433	33.9582376966	29	1491960
2203954E	CONCRETE	1981	INDIAN AVE W/S 60'S/O SUNDIAL WAY	10852031	22000L	-117.235215080	33.9542636096	25	1491960
2203956E	CONCRETE	1981	INDIAN AVE W/S 460' N/O SUNDIAL WAY	10852031	22000L	-117.235165437	33.9557555247	25	1491960
1999251E	CONCRETE	1972	ALPHA STREET S/S, 50' E/O RIVIERA COURT EXTD.	10852034	5800L	-117.224617242	33.9546466833	25	1491962
1999254E	CONCRETE	1972	ALPHA STREET S/S, 100' W/O RIVIERA COURT EXT	10852034	5800L	-117.225225038	33.9546411567	25	1491962
2040060E	CONCRETE	1974	KALMIA STREET N/S, 490' W/O LOMBARDY LANE	10852034	5800L	-117.224256874	33.9539881840	25	1491962
2040061E	CONCRETE	1974	KALMIA STREET N/S, 400' E/O CL/O PERRIS BLVD.	10852034	5800L	-117.225052085	33.9540052932	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2150440E	CONCRETE	1978	SUMMERGLOW E/S 230' N/O SUNNYRIDGE	10852034	5800L	-117.233486630	33.9586410267	25	1491962
2150441E	CONCRETE	1978	SUNGLOW W/S 55 N/O SUNNYRIDGE DR	10852034	5800L	-117.233593903	33.9581386362	25	1491962
1869637E	CONCRETE	1969	LAMAYO ST. S/S 245' E/O COLEMAN	10852034	5800L	-117.224965503	33.9560811911	25	1491962
1869638E	CONCRETE	1969	LAMAYO AVE. S/S 485' E/O COLEMAN	10852034	5800L	-117.224127397	33.9560981591	24	1491962
1999252E	CONCRETE	1972	E/S RIVIERA CT., 120' N/O ALPHA ST., PERRIS	10852034	5800L	-117.224641830	33.9551548935	25	1491962
1999253E	CONCRETE	1972	N END OF RIVERA CT., PERRIS	10852034	5800L	-117.224689695	33.9555839015	25	1491962
1999256E	CONCRETE	1972	W/S COLEMAN ST., 110' S/O LUXURY ST., PERRIS	10852034	5800L	-117.225821334	33.9552225110	25	1491962
1999257E	CONCRETE	1972	E/S COLEMAN ST, N/O LUXURY ST	10852034	5800L	-117.225716220	33.9556851306	25	1491962
2309673E	CONCRETE	1984	PROSPERITY LANE E/S, 550' N/O HILTON DRIVE	10852034	9500L	-117.233444687	33.9534454020	25	1491962
1999255E	CONCRETE	1972	ALPHA STREET S/S, AT CL/O COLEMAN STREET EX	10852034	9500L	-117.225710215	33.9546648355	25	1491962
1999258E	CONCRETE	1972	E/S PERRIS BLVD., 340' S/O LUXURY ST., SUNNYM	10852034	9500L	-117.226391690	33.9545781416	25	1491962
4058480E	CONCRETE	1990	KALMIA STREET S/S, 75' E/O PERRIS BLVD.	10852034	9500L	-117.226071887	33.9539097639	25	1491962
2150442E	CONCRETE	1978	SUNNYRIDGE S/E OF SUNGLOW DR	10852034	9500L	-117.233514132	33.9579478556	25	1491962
2199160E	CONCRETE	1980	SKYLAND DR S/S 560' E/O INDIAN AVE	10852034	9500L	-117.233388631	33.9569622091	25	1491962
2199161E	CONCRETE	1980	SKYROCK DR N/S 560' E/O INDIAN AVE	10852034	9500L	-117.233587027	33.9562426692	25	1491962
2207019E	CONCRETE	1982	RED RIVER N/S 150'E/O HUBBARD ST	10852034	9500L	-117.230488118	33.9552156403	25	1491962
2207020E	CONCRETE	1982	RED RIVER RD S/S60' E/O GOLD BLUFF RD	10852034	9500L	-117.229856176	33.9552716772	25	1491962
2207021E	CONCRETE	1982	END/O RED RIVER DR 290'E/O GOLD BLUFF	10852034	9500L	-117.229122393	33.9553449133	25	1491962
2207022E	CONCRETE	1982	GOLD BLUFF RDW/S 130' S/O RED RIVER	10852034	9500L	-117.230024102	33.9549528226	25	1491962
2224903E	CONCRETE	1981	SUNDIAL WY S/S 580' E/O INDIAN AVE	10852034	9500L	-117.233398395	33.9543461870	25	1491962
2224908E	CONCRETE	1981	MOONTIDE LN N/S 350' E/O STAR BRIGHT LN	10852034	9500L	-117.233397742	33.9553476202	25	1491962
2224910E	CONCRETE	1981	SUNDIAL WAY S/S, 630' E/O INDIAN AVENUE	10852034	9500L	-117.233038633	33.9543557828	25	1491962
2224911E	CONCRETE	1981	SUNDIAL WAY S/S, 950' E/O INDIAN AVENUE	10852034	9500L	-117.231989083	33.9543317392	25	1491962
2224912E	CONCRETE	1981	SUNDIAL WY E/S 125' S/O MOON TIDE LN	10852034	9500L	-117.231915732	33.9550476260	25	1491962
2224913E	CONCRETE	1981	MOONTIDE LN S/S 230' W/O SUNDIAL WY	10852034	9500L	-117.232640072	33.9552664819	25	1491962
2224915E	CONCRETE	1981	SUNDIAL WY N/S 140' N/O MOONTIDE LN	10852034	9500L	-117.231887840	33.9557102364	25	1491962
2224916E	CONCRETE	1981	NIGHTFALL ST S/S 155' E/O SUNDIAL WY	10852034	9500L	-117.231333241	33.9556480015	25	1491962
2224917E	CONCRETE	1981	HUBBARD ST N/S 40' S/O NIGHTFALL ST	10852034	9500L	-117.231030623	33.9557291498	25	1491962
2224918E	CONCRETE	1981	HUBBARD ST W/S 195' S/O NIGHTFALL ST	10852034	9500L	-117.230968238	33.9551629167	25	1491962
2224919E	CONCRETE	1981	HUBBARD ST W/S 440' S/O NIGHTFALL ST	10852034	9500L	-117.230948096	33.9546849958	25	1491962
2224920E	CONCRETE	1981	HUBBARD ST W/S 640' S/O NIGHTFALL ST	10852034	9500L	-117.230995435	33.9542392220	25	1491962
2245011E	CONCRETE	1982	GOLD BLUFF RD W/S 20'N/O ROCK SPRINGS RD	10852034	9500L	-117.230004515	33.9545037794	25	1491962
2245012E	CONCRETE	1982	GOLD BLUFF W/S 55'N/O KALMIA AVE	10852034	9500L	-117.229977029	33.9540598503	25	1491962
2245013E	CONCRETE	1982	END/O ROCK SPRING TR 270' E/O GOLD BLUFF RD	10852034	9500L	-117.229142719	33.9544722930	25	1491962
2289992E	CONCRETE	1984	SKYLAND DR N/S 500 W/O HUBBARD	10852034	9500L	-117.232549605	33.9570768423	25	1491962
2289993E	CONCRETE	1984	SKYLAND DR N/S 40 W/O HUBBARD	10852034	9500L	-117.231717608	33.9570669197	25	1491962
2289994E	CONCRETE	1984	SKYLAND DR N/S 40 W/O HUBBARD	10852034	9500L	-117.230990839	33.9570732045	25	1491962
2351999E	CONCRETE	1986	HUNTLEY DR, W/S, 180' N/O SUNNY RIDGE DR	10852034	9500L	-117.232667918	33.9585212530	25	1491962
2354834E	CONCRETE	1986	SUNNYRIDGE DR, N/W COR/O HUNTLEY DR	10852034	9500L	-117.232644775	33.9580471981	25	1491962
2354835E	CONCRETE	1986	SUNNY RIDGE DR, S/S, 190' E/O HUNTLEY DR	10852034	9500L	-117.232000611	33.9580146595	25	1491962
4114110E	CONCRETE	1992	HUBBARD ST W/S 140' S/O HUNTLEY	10852034	9500L	-117.230823452	33.9586820880	25	1491962
1869636E	CONCRETE	1969	S/E COR/O COLMAN & LAMAYO	10852034	9500L	-117.225687682	33.9560810558	25	1491962
1999259E	CONCRETE	1972	E/S PERRIS BLVD., 110' S/O LUXURY ST., SUNNYM	10852034	9500L	-117.226400064	33.9552886856	25	1491962
1999260E	CONCRETE	1972	NE C/O PERRIS BLVD., & LUXURY ST., SUNNYMEAL	10852034	9500L	-117.226399494	33.9555401516	25	1491962
4058479E	CONCRETE	1990	PERRIS BLVD. E/S, 65' S/O KALMIA STREET	10852034	22000L	-117.226371337	33.9538081276	29	1491960
2358390E	CONCRETE	1986	PERRIS BLVD W/S 1126 S/O MANZANITA AVE	10852034	22000L	-117.226631247	33.9580208221	40	1491960
4485697E	CONCRETE	2004	SKYLAND DR N/S, 51' E/O HUBBARD ST	10852034	9500L	-117.230710945	33.9570679255	27	1491962
4485698E	CONCRETE	2004	SKYLAND DR S/S, 239' E/O HUBBARD ST	10852034	9500L	-117.230061110	33.9569905633	27	1491962
4485699E	CONCRETE	2004	SKYLAND DR N/S, 440' E/O HUBBARD ST	10852034	9500L	-117.229463801	33.9570596182	27	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4485700E	CONCRETE	2004	SKYLAND DR ON CUL-DE-SAC, 612' E/O HUBBARD	10852034	9500L	-117.228851838	33.9570255270	27	1491962
2040063E	CONCRETE	1974	ALPHA STREET N/S, 100' W/O LOMBARDY LANE	10852037	5800L	-117.223197331	33.9546991520	25	1491962
2040064E	CONCRETE	1974	ALPHA STREET S/S, AT CL/O TROPIC COURT EXTD.	10852037	5800L	-117.223774626	33.9545993967	25	1491962
1885460E	CONCRETE	1971	S/S JACLYN AVE 550' E/O LOMBARDY LANE	10852037	5800L	-117.220266605	33.9569915813	25	1491962
1885461E	CONCRETE	1971	N/S JACLYN AVE 370' E/O LOMBARDY LANE	10852037	5800L	-117.220834841	33.9570833494	25	1491962
1885462E	CONCRETE	1971	S/S JACLYN AVE 180' E/O LOMBARDY LANE	10852037	5800L	-117.221381101	33.9569801853	25	1491962
1885463E	CONCRETE	1971	N/S JACLYN AVE & LOMBARDY LANE	10852037	5800L	-117.221893308	33.9570751321	25	1491962
1885464E	CONCRETE	1971	E/S LOMBARDY 140' S/O JACLYN AVE.	10852037	5800L	-117.221895318	33.9566656687	25	1491962
1885465E	CONCRETE	1971	E/S LOMBARDY LANE & LA MAYO AVE.	10852037	5800L	-117.222393982	33.9561396771	25	1491962
1964479E	CONCRETE	1972	W/S JACLYN AVE 500' W/O KITCHING	10852037	5800L	-117.219707121	33.9570920893	25	1491962
1964480E	CONCRETE	1972	S/S JACYLN AVE 300' W/O KITCHING	10852037	5800L	-117.219115812	33.9570004958	25	1491962
1964481E	CONCRETE	1972	N/S JACYLN AVE 120' W/O KITCHING	10852037	5800L	-117.218225956	33.9571111801	25	1491962
2040066E	CONCRETE	1957	END OF TROPIC CT N/O ALPHA ST	10852037	5800L	-117.223796352	33.9555953132	30	1491962
1964483E	CONCRETE	1972	N/S JACYLN AVE 200' E/O KITCHING	10852037	5800L	-117.216997056	33.9571002361	25	1491962
2040058E	CONCRETE	1974	N/W COR/O KALMIA STREET & LOMBARDY LANE	10852037	9500L	-117.222888323	33.9539900713	25	1491962
2040062E	CONCRETE	1974	S/E COR/O ALPHA STREET & LOMBARDY LANE	10852037	9500L	-117.222696784	33.9546149411	25	1491962
2199185E	CONCRETE	1980	KALMIA STREET N/S, 425' W/O C/L SUNAIRE PLAC	10852037	9500L	-117.221961159	33.9540023598	25	1491962
2199186E	CONCRETE	1980	KALMIA STREET N/S, 315' W/O C/L SUNAIRE PLAC	10852037	9500L	-117.221282347	33.9540461019	25	1491962
2199188E	CONCRETE	1980	N/W COR/O KALMIA STREET & SUNAIRE PLACE	10852037	9500L	-117.220266533	33.9540320041	25	1491962
2199189E	CONCRETE	1980	SUNAIRE PLACE E/S, 260' N/O KALMIA STREET	10852037	9500L	-117.220048440	33.9547013661	25	1491962
2199195E	CONCRETE	1980	ALPHA STREET S/S, 110' E/O SPLENDOR WAY	10852037	9500L	-117.221485783	33.9546453171	25	1491962
2199196E	CONCRETE	1980	N/E COR/O SPLENDOR WAY & ALPHA STREET	10852037	9500L	-117.221933469	33.9547366843	25	1491962
2315151E	CONCRETE	1985	KALMIA ST, N/S, 125' W/O KITCHING ST	10852037	9500L	-117.218267646	33.9540061397	25	1491962
2315163E	CONCRETE	1985	MADONNA CT, N/S, 130' E/O SAN FERNANDO	10852037	9500L	-117.218718343	33.9547190526	25	1491962
2315166E	CONCRETE	1985	KALMIA ST, N/S, 125' W/O SAN FERNANDO ST	10852037	9500L	-117.219491441	33.9540147016	25	1491962
4065705E	CONCRETE	1989	SAN FERNANDO STREET W/S, CL/O MADONNA CC	10852037	9500L	-117.219167254	33.9546387153	25	1491962
2358724E	CONCRETE	1987	S/S SAN ANTONIO 20' E/O SAN RICARDO	10852037	9500L	-117.216685534	33.9546569431	25	1491962
2358725E	CONCRETE	1987	N/S SAN ANTONIO 200' E/O SAN RICARDO	10852037	9500L	-117.216032187	33.9547346485	25	1491962
2358726E	CONCRETE	1987	S/S SAN ANTONIO 450' E/O SAN RICARDO	10852037	9500L	-117.215550845	33.9546454655	25	1491962
2358728E	CONCRETE	1987	N/S KALMIA 550' W/O RIDGEMONT	10852037	9500L	-117.216204445	33.9539439408	25	1491962
2358729E	CONCRETE	1987	N/S KALMAI 40' W/O RIDGEMONT	10852037	9500L	-117.214531827	33.9539697328	25	1491962
2358731E	CONCRETE	1987	E/S RIDGEMONT 30' S/O SAN ANTONIO	10852037	9500L	-117.214236245	33.9545629743	25	1491962
2358732E	CONCRETE	1987	N/S SAN ANTONIO 120' W/O RIDGEMONT	10852037	9500L	-117.214734363	33.9547327150	25	1491962
4059613E	CONCRETE	1989	S/S KALMIA, 50' E/O KAYAL	10852037	9500L	-117.214908155	33.9538602865	25	1491962
1869639E	CONCRETE	1969	LAMAYO AVE. S/S 725' E/O COLMAN	10852037	9500L	-117.223297148	33.9561051741	25	1491962
1885466E	CONCRETE	1971	W/S LOMBARDY LANE 120' S/O LA MAYO AVE	10852037	9500L	-117.222683903	33.9558214083	25	1491962
1964482E	CONCRETE	1972	S/E COR/O JACYLN AVE & KITCHING	10852037	9500L	-117.217673034	33.9569836184	25	1491962
2199190E	CONCRETE	1980	SUNAIRE PL W/S 15' S/O MORENO VISTA	10852037	9500L	-117.220031312	33.9553696065	25	1491962
2199191E	CONCRETE	1980	MORENO VISTA N/S 100' E/O SUNAIRE	10852037	9500L	-117.219526215	33.9554668712	25	1491962
2199192E	CONCRETE	1980	ALPHA ST E/S 180' N/O MORENO VISTA	10852037	9500L	-117.220274296	33.9559088133	25	1491962
2199193E	CONCRETE	1980	ALPHA ST W/S CL/O MORENO VISTA	10852037	9500L	-117.220501343	33.9556241749	25	1491962
2199194E	CONCRETE	1980	ALPHA ST E/S 160' S/O MORENO VISTA	10852037	9500L	-117.220758136	33.9552791664	25	1491962
2199197E	CONCRETE	1980	SPLENDOR WY W/S 260' N/O ALPHA ST	10852037	9500L	-117.221623399	33.9556455332	25	1491962
2199198E	CONCRETE	1980	SPLENDOR WY E/S 420' N/O ALPHA ST	10852037	9500L	-117.221244680	33.9559864710	25	1491962
2199199E	CONCRETE	1980	SPLENDOR WY E/S 600' N/O ALPHA	10852037	9500L	-117.221027285	33.9563041797	25	1491962
2315153E	CONCRETE	1985	KITCHING ST, W/S, COR/O SAN ANTONIO ST	10852037	9500L	-117.217802207	33.9546538331	25	1491962
2315154E	CONCRETE	1985	KITCHING ST, W/S, 150' N/O SAN ANTONIO ST	10852037	9500L	-117.217781710	33.9552133668	25	1491962
2315155E	CONCRETE	1985	KITCHING ST, W/S, 225' S/O SANTA BARBARA	10852037	9500L	-117.217780079	33.9555853722	25	1491962
2315156E	CONCRETE	1985	KITCHING ST, E/S, COR/O SANTA BARBARA	10852037	9500L	-117.217644143	33.9562499007	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2315157E	CONCRETE	1985	SANTA BARBARA, N/S, 120' W/O KITCHING	10852037	9500L	-117.218246346	33.9562788986	25	1491962
2315158E	CONCRETE	1985	SANTA BARBARA, N/S, 95' E/O SAN FERNANDO	10852037	9500L	-117.218723884	33.9562591035	25	1491962
2315159E	CONCRETE	1985	SAN FERNANDO, W/S, COR/O SANTA BARBARA	10852037	9500L	-117.219130991	33.9561260063	25	1491962
2315160E	CONCRETE	1985	SAN FERNANDO, E/S, COR/O MORENO VISTA	10852037	9500L	-117.219004736	33.9555002334	25	1491962
2315161E	CONCRETE	1985	MORENO VISTA ST, S/S, 125' E/O SAN FERNANDO	10852037	9500L	-117.218683686	33.9553795357	25	1491962
2315162E	CONCRETE	1985	SAN FERNANDO ST, W/S, 130' S/O MORENO VISTA	10852037	9500L	-117.219160169	33.9550992907	25	1491962
2315167E	CONCRETE	1985	KITCHING W/S, 174' N/O C/L FRAN LOU DR., MRNO	10852037	9500L	-117.217831813	33.9566327279	25	1491962
2358739E	CONCRETE	1987	SAN ANTONIO STREET N/S, 120' W/O SAN RICARDO	10852037	9500L	-117.217265700	33.9547094681	25	1491962
2358742E	CONCRETE	1987	S/S SANTA BARBARA 130' W/O SAN RICARDO	10852037	9500L	-117.217198130	33.9561505620	25	1491962
4165893E	CONCRETE	1990	S/W C/O FRAN LOU DR. & KITCHING, MRNO VLY	10852037	9500L	-117.217876289	33.9579922588	25	1491962
4165894E	CONCRETE	1990	FRAN LOU S/S, 383' W/O C/L KITCHING, MRNO VLY	10852037	9500L	-117.219220485	33.9579467393	25	1491962
4165895E	CONCRETE	1990	FRAN LOU DR. N/S, 150' W/O C/L KITCHING, MRNO	10852037	9500L	-117.218334168	33.9581340762	25	1491962
4165896E	CONCRETE	1990	KITCHING W/S, 174' N/O C/L FRAN LOU DR., MRNO	10852037	9500L	-117.217883854	33.9584372361	25	1491962
2358733E	CONCRETE	1987	W/S RIDGEMONT 140' N/O SAN ANTONIO	10852037	9500L	-117.214298055	33.9550733626	25	1491962
2358734E	CONCRETE	1987	E/S RIDGEMONT 60' N/O SAN THOMAS	10852037	9500L	-117.214143404	33.9555667076	25	1491962
2358735E	CONCRETE	1987	W/S RIDGEMONT 240' N/O SAN THOMAS	10852037	9500L	-117.214234522	33.9559861855	25	1491962
2358736E	CONCRETE	1987	N/S SAN THOMAS, 200' W/O RIDGEMONT	10852037	9500L	-117.214979503	33.9555093663	25	1491962
2358737E	CONCRETE	1987	S/S SAN THOMAS 390' E/O SAN RICARDO	10852037	9500L	-117.215703441	33.9554183894	25	1491962
2358738E	CONCRETE	1987	N/S SAN THOMAS 220' E/O SAN RICARDO	10852037	9500L	-117.216133451	33.9555010439	25	1491962
2358740E	CONCRETE	1987	W/S SAN RICARDO 280' N/O SAN ANTONIO	10852037	9500L	-117.216851769	33.9554119779	25	1491962
2358741E	CONCRETE	1987	E/S SAN RICARDO 130' N/O SAN THOMAS	10852037	9500L	-117.216703398	33.9558122491	25	1491962
2358743E	CONCRETE	1987	N/S SANTA BARBARA 20' E/O SAN RICARDO	10852037	9500L	-117.216619071	33.9562646135	25	1491962
2358744E	CONCRETE	1987	S/S SANTA BARBARA 40' W/O CRAIGMONT	10852037	9500L	-117.216032578	33.9561716052	25	1491962
2358745E	CONCRETE	1987	N/S SANTA BARBARA 225' E/O CRAIGMONT	10852037	9500L	-117.215363575	33.9562446871	25	1491962
2358746E	CONCRETE	1987	E/S SAN RICARDO 160' N/O SAN ANTONIO	10852037	9500L	-117.216701271	33.9551478574	25	1491962
4318177E	CONCRETE	1999	KITCHING ST, E/S, COR/O KALMIA ST	10852037	9500L	-117.217700710	33.9540051600	31	1491962
4423816E	CONCRETE	2003	LOMBRAY LN N/O ALPHA ST	10852037	9500L	-117.222883085	33.9553499496	31	1491962
4420915E	CONCRETE	2003	KALMIA STREET N/S, 250' W/O LOMBARDY LANE	10852037	5800L	-117.223457227	33.9540000479	25	1491962
2358727E	CONCRETE	1987	N/S KALMIA 800' W/O RIDGEMONT	10852037	9500L	-117.217019014	33.9539756104	25	1491962
2610176E	CONCRETE	2006	BIANCA CT S/S, 174' W/O KITCHING ST	10852037	9500L	-117.218298856	33.9588514382	27	1491962
4597522E	CONCRETE	2006	KITCHING W/S 10' N/O BIANCA COURT	10852037	22000L	-117.217870439	33.9589513260	32	1491962
4610177E	CONCRETE	2006	BIANCA CT N/S, 329' W/O KITCHING ST	10852037	9500L	-117.218945060	33.9588859531	27	1491962
2358730E	CONCRETE	1987	N/S KALMIA 160' E/O RIDGEMONT	10852040	9500L	-117.213893050	33.9539445928	25	1491962
4030174E	CONCRETE	1989	N/W COR/O KALMIA & MAR-EL STREET(S)	10852040	9500L	-117.208102194	33.9547552771	25	1491962
4059611E	CONCRETE	1989	S/S KALMIA, 300' E/O SLAWSON	10852040	9500L	-117.212390601	33.9538479924	25	1491962
4059612E	CONCRETE	1989	S/S KALMIA, 50' W/O SLAWSON	10852040	9500L	-117.213493205	33.9538573450	25	1491962
4030175E	CONCRETE	1990	MAR-EL STREET E/S, 225' N/O KALMIA STREET	10852040	9500L	-117.207972173	33.9553711111	25	1491962
4030176E	CONCRETE	1990	S/E COR/O WRIDE & MAR-EL STREET(S)	10852040	9500L	-117.207972433	33.9561613662	25	1491962
4039801E	CONCRETE	1989	MORREY LN N/S, 205' E/O KNOLL VISTA	10852049	9500L	-117.175617251	33.9561813614	25	1491962
4039802E	CONCRETE	1989	CROCKER CR E/S, 30' N/O MORREY LN	10852049	9500L	-117.174849612	33.9562061218	25	1491962
4039803E	CONCRETE	1989	CROCKER CR N/S, 255' N/O MORREY LN	10852049	9500L	-117.174887106	33.9567302510	25	1491962
4039805E	CONCRETE	1989	KNOLL VISTA W/S, 225' N/O MORREY LN	10852049	9500L	-117.176355210	33.9566641229	25	1491962
4039806E	CONCRETE	1989	MORREY LN S/S, 30' S/O KNOLL VISTA	10852049	9500L	-117.176446866	33.9560750289	25	1491962
4039807E	CONCRETE	1989	MORREY LN N/S, 200' W/O KNOLL VISTA	10852049	9500L	-117.177100016	33.9561632297	25	1491962
4039808E	CONCRETE	1989	MORREY LN S/S, 420' W/O KNOLL VISTA	10852049	9500L	-117.177736431	33.9560892201	25	1491962
4039809E	CONCRETE	1989	MORREY LN N/S, 705' W/O KNOLL VISTA	10852049	9500L	-117.178665458	33.9561624085	25	1491962
4039810E	CONCRETE	1989	MORENO BEACH DR E/S, 510' S/O LOCUST AVE	10852049	22000L	-117.178459364	33.9557992901	29	1491960
4039811E	CONCRETE	1989	MORENO BEACH DR E/S, 280' S/O LOCUST AVE	10852049	22000L	-117.178442533	33.9565813023	29	1491960
4039812E	CONCRETE	1989	MORENO BEACH DR E/S, 70' S/O LOCUST AVE	10852049	22000L	-117.178447689	33.9569587436	29	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4039814E	CONCRETE	1989	S/E CORNER O/KNOLL VISTA & LOCUST AVE	10852049	22000L	-117.176379122	33.9571263626	29	1491960
4039815E	CONCRETE	1989	LOCUST AVE S/S, 330' E/O KNOLL VISTA	10852049	22000L	-117.175203323	33.9571551666	29	1491960
4232010E	CONCRETE	1994	27820 LOCUST, MORENO VALLEY	10852049	22000L	-117.177352213	33.9571521362	29	1491960
2381448E	CONCRETE	1989	EDMONSON AVE E/S, 375' N/O KALMIA AVE	10852052	9500L	-117.168272422	33.9545697753	25	1491962
2361330E	CONCRETE	1989	LADD AVE E/S, 360' N/O KALMIA AVE	10852052	9500L	-117.167001931	33.9545754494	25	1491962
2381449E	CONCRETE	1989	EDMONSON AVE E/S, 610' N/O KALMIA AVE	10852052	9500L	-117.168361170	33.9552399070	25	1491962
2381450E	CONCRETE	1989	EDMONSON AVE W/S, 410' E/O LADD AVE	10852052	9500L	-117.168361313	33.9559013539	25	1491962
4039804E	CONCRETE	1989	N/W CORNER/O MORREY LN & PETTIT ST	10852052	9500L	-117.174058803	33.9560483261	25	1491962
2361334E	CONCRETE	1989	QUINCY STREET W/S, 155' S/O LOCUST AVENUE	10852052	9500L	-117.165457987	33.9567778588	25	1491962
2365500E	CONCRETE	1989	LADD AVE AVENUE E/S, 30' E/O EDMONSON AVENUE	10852052	9500L	-117.167012186	33.9563326914	25	1491962
2381451E	CONCRETE	1989	EDMONSON AVE N/S, 200' W/O LADD AVE	10852052	9500L	-117.167870714	33.9562671610	25	1491962
4055944E	CONCRETE	1989	QUINCY STREET W/S, 540' S/O LOCUST AVENUE	10852052	9500L	-117.165418113	33.9557442708	25	1491962
4055948E	CONCRETE	1989	LADD AVENUE W/S, 260' S/O EDMONSON AVENUE	10852052	9500L	-117.167131434	33.9556353340	25	1491962
4039816E	CONCRETE	1989	LOCUST AVE S/S, 45' W/O PETTIT ST	10852052	22000L	-117.174094036	33.9571460072	29	1491960
2169901E	CONCRETE	1978	HERMINIA COURT E/S, 120' N/O LOCUST AVENUE	10852055	9500L	-117.158152379	33.9576438426	25	1491962
2169902E	CONCRETE	1978	HERMINIA COURT W/S, 360' N/O LOCUST AVENUE	10852055	9500L	-117.158256848	33.9583426766	25	1491962
2207043E	CONCRETE	1980	MARK ROAD S/S, 122' W/O RAYMOND ROAD	10852055	9500L	-117.159952220	33.9578874763	25	1491962
2207044E	CONCRETE	1980	E/S RAYMOND 170' N/O LOCUST	10852055	9500L	-117.159421491	33.9578742298	25	1491962
2207045E	CONCRETE	1980	RAYMOND ROAD W/S, 450' N/O LOCUST AVENUE	10852055	9500L	-117.159536015	33.9585000224	25	1491962
2207046E	CONCRETE	1980	RAYMOND RAD E/S, 699' N/O LOCUST AVENUE	10852055	9500L	-117.159425249	33.9593755844	25	1491962
2207047E	CONCRETE	1980	RAYMOND ROAD W/S, 775' N/O LOCUST AVENUE	10852055	9500L	-117.159530939	33.9599205863	25	1491962
4043136E	CONCRETE	1989	TWILIGHT WAY W/S, 650' N/O MARK ROAD	10852055	9500L	-117.163326635	33.9598100056	25	1491962
4043137E	CONCRETE	1989	TWILIGHT WAY E/S, 470' N/O MARK ROAD	10852055	9500L	-117.163194127	33.9593132419	25	1491962
4043138E	CONCRETE	1989	TWILIGHT WAY W/S, 260' N/O MARK ROAD	10852055	9500L	-117.163340122	33.9585723823	25	1491962
4043139E	CONCRETE	1988	ALDEN COURT E/S, 280' N/O MARK ROAD	10852055	9500L	-117.161976572	33.9586459030	25	1491962
4043140E	CONCRETE	1988	ALDEN COURT W/S, 530' N/O MARK ROAD	10852055	9500L	-117.162101454	33.9593045472	25	1491962
4043141E	CONCRETE	1988	ALDEN COURT E/S, 775' N/O MARK RD.	10852055	9500L	-117.161965828	33.9598303473	25	1491962
4043143E	CONCRETE	1987	NIGHT SHADOW DRIVE E/S, 45' N/O MARK ROAD	10852055	9500L	-117.160666589	33.9580429889	25	1491962
4043144E	CONCRETE	1987	MARK ROAD S/S, 185' E/O ALDEN COURT	10852055	9500L	-117.161385350	33.9578705929	25	1491962
4043145E	CONCRETE	1987	ALDEN COURT W/S, 45' N/O MARK ROAD	10852055	9500L	-117.162077918	33.9579841657	25	1491962
4043146E	CONCRETE	1987	TWILIGHT WAY E/S, 45' N/O MARK ROAD	10852055	9500L	-117.163201522	33.9580331280	25	1491962
4043147E	CONCRETE	1988	NIGHT SHADOW DRIVE W/S, 803' S/O MANZANITA	10852055	9500L	-117.160827791	33.9587184451	25	1491962
4043148E	CONCRETE	1988	NIGHT SHADOW DRIVE E/S, 553' S/O MANZANITA	10852055	9500L	-117.160722295	33.9593942809	25	1491962
2309927E	CONCRETE	1985	PIONEER RIDGE DR, E/S, LOTS 20,21	10872025	9500L	-117.256603869	33.9593775750	25	1491962
2309928E	CONCRETE	1985	PIONEER RIDGE DR, W/S, 390' N/O RANGER ST	10872025	9500L	-117.257010931	33.9598805268	25	1491962
2309929E	CONCRETE	1985	RANGER ST, S/S, 130' W/O PIONEER RIDGE	10872025	9500L	-117.256893398	33.9586972077	25	1491962
2309930E	CONCRETE	1985	RANGER ST, N/S, 330' W/O PIONEER RIDGE DR	10872025	9500L	-117.257448065	33.9586031406	25	1491962
2309931E	CONCRETE	1985	RANGER ST, S/S, 545' W/O PIONEER RIDGE DR	10872025	9500L	-117.257900751	33.9583368068	25	1491962
2309934E	CONCRETE	1985	OUTLAW WY, W/S, 130' N/O RANGER ST	10872025	9500L	-117.259046731	33.9586256154	25	1491962
2309935E	CONCRETE	1985	OUTLAW WY, E/S, CUL-DE-SAC, N/O RANGER ST	10872025	9500L	-117.259001370	33.9591226179	25	1491962
2309936E	CONCRETE	1985	RANGER ST, N/S, 195' W/O OUTLAW WY	10872025	9500L	-117.259512706	33.9583022939	25	1491962
2309939E	CONCRETE	1985	SADDLE RIDGE RD, E/S, 130' N/O RANGER ST	10872025	9500L	-117.260480102	33.9586063336	25	1491962
2352056E	CONCRETE	1987	SADDLE RIDGE, S/S, COR/O LONE STAR RD	10872025	9500L	-117.260065087	33.9598208705	25	1491962
2352061E	CONCRETE	1987	SADDLE RIDGE, W/S, 140' S/O LONE STAR RD	10872025	9500L	-117.260432706	33.9595551975	25	1491962
2352062E	CONCRETE	1987	SADDLE RIDGE, W/S, 365' S/O LONE STAR RD	10872025	9500L	-117.260613220	33.9589418099	25	1491962
2309926E	CONCRETE	1985	PIONEER RIDGE DR, E/S, COR/O RANGER ST	10872025	9500L	-117.256385594	33.9589293950	25	1491962
2352051E	CONCRETE	1987	SADDLE RIDGE, N/E COR/O PIONEER RIDGE	10872025	9500L	-117.257132769	33.9603666952	25	1491962
2352052E	CONCRETE	1987	SADDLE RIDGE, S/S, 115' W/O PIONEER RIDGE	10872025	9500L	-117.257588520	33.9602752070	25	1491962
2352053E	CONCRETE	1987	SADDLE RIDGE, N/S, 330' W/O PIONEER RIDGE	10872025	9500L	-117.258271148	33.9603706178	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2352054E	CONCRETE	1987	SADDLE RIDGE, S/S, 400' E/O LONE STAR RD	10872025	9500L	-117.258988328	33.9602822849	25	1491962
2352055E	CONCRETE	1987	SADDLE RIDGE, N/S, 210' E/O LONE STAR RD	10872025	9500L	-117.259655961	33.9602087452	25	1491962
2352057E	CONCRETE	1987	LONE STAR, W/S, 155' N/O SADDLE RIDGE	10872025	9500L	-117.260470984	33.9601351749	25	1491962
2352058E	CONCRETE	1987	LONE STAR, E/S, 140' S/O MANZANITA	10872025	9500L	-117.260474366	33.9607004201	25	1491962
2358337E	CONCRETE	1987	C/O BRZY MDOWS & LK VLLY	10872025	9500L	-117.254471524	33.9633014735	25	1491962
2358338E	CONCRETE	1987	E/S BRZY MDOWS S/O LK VALLEY LOT 72	10872025	9500L	-117.254396927	33.9628282980	25	1491962
2358339E	CONCRETE	1987	240'S/O LK VLLY ON W/S BRZY MDOWS LOT 43	10872025	9500L	-117.254739152	33.9624076235	25	1491962
2358340E	CONCRETE	1987	440'W/O QUAIL GLEN ON BRZY MDWS LOTS 67-7	10872025	9500L	-117.254391258	33.9616751552	25	1491962
2358341E	CONCRETE	1987	325'W/O QUAIL GLEN S/S BRZY MDWS LOT 36	10872025	9500L	-117.254041848	33.9614353744	25	1491962
2352059E	CONCRETE	1987	MANZANITA, S/S, 120' E/O LONE STAR	10872025	22000L	-117.260128321	33.9610358128	29	1491960
4441872E	CONCRETE	2000	PIGEON PASS W/S, 445' N/O COUGAR CANYON	10872025	22000L	-117.261557154	33.9622748935	32	1491960
4441873E	CONCRETE	2000	PIGEON PASS W/S 45' N/O COUGAR CANYON	10872025	22000L	-117.261540710	33.9611819366	32	1491960
4441874E	CONCRETE	2000	PIGEON PASS W/S, 645' N/O COUGAR CANYON	10872025	22000L	-117.261555993	33.9628457221	32	1491960
4710761E	CONCRETE	2009	PIGEON PASS ROAD W/S, 1731? S/O OLD LAKE DR	10872025	22000L	-117.261538152	33.9633425794	32	1491960
4710751E	CONCRETE	2010	PIGEON PASS ROAD E/S, S/O MANZANITA AVE.	10872025	22000L	-117.261400909	33.9591480459	32	1491960
4710754E	CONCRETE	2010	PIGEON PASS ROAD E/S S/O MANZANITA AVE.	10872025	22000L	-117.261518374	33.9592558263	32	1491960
4710755E	CONCRETE	2010	PIGEON PASS ROAD E/S, S/O MANZANITA AVE.	10872025	22000L	-117.261396924	33.9596575756	32	1491960
4710756E	CONCRETE	2010	PIGEON PASS ROAD W/S, S/O MANZANITA AVE.	10872025	22000L	-117.261539744	33.9597308729	32	1491960
4710757E	CONCRETE	2010	PIGEON PASS ROAD E/S, S/O MANZANITA AVE.	10872025	22000L	-117.261403400	33.9604260673	32	1491960
4710758E	CONCRETE	2010	PIGEON PASS ROAD W/S, S/O MANZANITA AVE.	10872025	22000L	-117.261519497	33.9602035963	32	1491960
4710760E	CONCRETE	2010	PIGEON PASS ROAD W/S, S/O MANZANITA AVE.	10872025	22000L	-117.261530907	33.9605666816	32	1491960
4710759E	CONCRETE	2010	PIGEON PASS RD E/S, S/O MANZANITA ROAD	10872025	22000L	-117.261406434	33.9607504651	32	1491960
2302606E	CONCRETE	1985	PARKLAND AVE, S/S, 300' E/O COLD SPRING	10872028	9500L	-117.247336732	33.9593392080	25	1491962
2302620E	CONCRETE	1985	MARK TWAIN, N/E CUL-D-SAC, E/O REDHILL	10872028	9500L	-117.248280606	33.9589539180	25	1491962
2302625E	CONCRETE	1985	COLD SPRINGS, E/S, COR/O BIRDSONG CT	10872028	9500L	-117.249102470	33.9589845907	25	1491962
2302626E	CONCRETE	1985	BIRDSONG CT, 180' W/O COLD SPRING	10872028	9500L	-117.249638871	33.9592157656	25	1491962
2302628E	CONCRETE	1985	ASHWOOD AVE, N/S, 140' W/O COLD SPRING	10872028	9500L	-117.249947656	33.9586206083	25	1491962
2302629E	CONCRETE	1985	DEBRA WY, 170' N/O ASHWOOD AVE	10872028	9500L	-117.250252235	33.9592408396	25	1491962
2302631E	CONCRETE	1985	ASHWOOD AVE, N/S, COR/O DEBRA WY	10872028	9500L	-117.250634539	33.9589717612	25	1491962
2302632E	CONCRETE	1985	ASHWOOD AVE, S/S, COR/O AVIS CT	10872028	9500L	-117.251461979	33.9592678240	25	1491962
2302634E	CONCRETE	1985	ASHWOOD AVE, N/S, COR/O ROCKY RIDGE RDL	10872028	9500L	-117.252195649	33.9597988851	25	1491962
2302247E	CONCRETE	1985	COPPER HILL PL, S/S, COR/O SILVER RUN	10872028	9500L	-117.245329455	33.9585828290	25	1491962
2302605E	CONCRETE	1985	PARKLAND AVE, N/S, COR/O REDHILL RD	10872028	9500L	-117.246794516	33.9589244335	25	1491962
2302622E	CONCRETE	1985	REDHILL, W/S, 190' S/O PARKLAND AVE	10872028	9500L	-117.247314976	33.9586216516	25	1491962
2302642E	CONCRETE	1985	SULTAN ST, E/S, & REDHILL RD, N/O PARKLAND	10872028	9500L	-117.246105329	33.9592182643	25	1491962
2302649E	CONCRETE	1985	MINERS TR, N/E COR/O COPPER HILL PL	10872028	9500L	-117.244472902	33.9586795751	25	1491962
2301884E	CONCRETE	1987	E/S GRASS VALLEY X OF BRZY MDOWS	10872028	9500L	-117.251666063	33.9618782607	25	1491962
2302608E	CONCRETE	1985	PARKLAND AVE, N/S, 195' W/O COLD SPRING	10872028	9500L	-117.247490931	33.9597175534	25	1491962
2302609E	CONCRETE	1985	PARKLAND AVE, S/S, 190' E/O DEBRA WY	10872028	9500L	-117.248308008	33.9603670544	25	1491962
2302610E	CONCRETE	1985	PARKLAND AVE, N/S, COR/O DEBRA WY	10872028	9500L	-117.250127310	33.9606842730	25	1491962
2302611E	CONCRETE	1985	PARKLAND AVE, S/S, 230' E/O ROCKY RIDGE RD	10872028	9500L	-117.251161805	33.9606040843	25	1491962
2302623E	CONCRETE	1985	COLD SPRING, W/S, COR/O MISTY GLADE	10872028	9500L	-117.248798620	33.9595649538	25	1491962
2302624E	CONCRETE	1985	MISTY GLADE, W/O COLD SPRING CUL-DE-SAC	10872028	9500L	-117.249265317	33.9599702849	25	1491962
2302630E	CONCRETE	1985	DEBRA WY, W/S, 200' S/O PARKLAND AVE	10872028	9500L	-117.250199002	33.9600685655	25	1491962
2302633E	CONCRETE	1985	AVIS CT, 260' N/O ASHWOOD AVE	10872028	9500L	-117.250942940	33.9600035228	25	1491962
2302635E	CONCRETE	1985	ROCKY RIDGE RD, E/S, COR/O PARKLAND AVE	10872028	9500L	-117.251886157	33.9606031961	25	1491962
2302636E	CONCRETE	1985	LE GRAND LN, CUL-DE-SAC, 230' W/O COLD SPRING	10872028	9500L	-117.247875578	33.9609230507	25	1491962
2358319E	CONCRETE	1987	140'N/O LK VLLY DR ON HGH MDOW DR E/S LOT 3	10872028	9500L	-117.252018609	33.9617425175	25	1491962
2358320E	CONCRETE	1987	225'E/O HGH MDOW N/S SHDY GLD RD	10872028	9500L	-117.250576471	33.9625581998	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2358321E	CONCRETE	1987	S/S LK VLLY DR AT HGH MDOW DR LOT 100	10872028	9500L	-117.251237765	33.9624439053	25	1491962
2358322E	CONCRETE	1987	140'E/O QUAIL GLN RD ON S/S LK VLLY DR LT 97	10872028	9500L	-117.252217863	33.9625743836	25	1491962
2358323E	CONCRETE	1987	90'S/O LK VLLY ON W/S QUAIL GLEN	10872028	9500L	-117.252718574	33.9625208595	25	1491962
2358324E	CONCRETE	1987	190'W/O QUAIL GLEN ON S/S LK VLLY LOT 67	10872028	9500L	-117.252971361	33.9628821078	25	1491962
2358325E	CONCRETE	1987	C/O LK VLLY & PPY MEADOW LOT 51	10872028	9500L	-117.253480677	33.9632907547	25	1491962
2358326E	CONCRETE	1987	END OF QUAIL GLEN N/S LK VLLY LOT 62	10872028	9500L	-117.252517628	33.9627890438	25	1491962
2358327E	CONCRETE	1987	150'N/O LK VLLY DR ON PPPY MDOW BTWN LTS6	10872028	9500L	-117.253145968	33.9634546989	25	1491962
2358329E	CONCRETE	1987	285'N/O BRZY MDOW RD W/S SHDY GLD RD	10872028	9500L	-117.250368843	33.9621925048	25	1491962
2358332E	CONCRETE	1987	BRZY MDOW DR S/S AT PPPY FLD LT 22	10872028	9500L	-117.251070498	33.9613760442	25	1491962
2358334E	CONCRETE	1987	BRZY MEADOW N/S 80'W/O POPPY FLD	10872028	9500L	-117.251307975	33.9614769233	25	1491962
2358335E	CONCRETE	1987	LY 112 POPPY FIELD CIR	10872028	9500L	-117.251070466	33.9617790395	25	1491962
2358336E	CONCRETE	1987	C/O GRASS VALLEY & BRZY MDWS LT 120	10872028	9500L	-117.252033153	33.9613845658	25	1491962
2358342E	CONCRETE	1987	165'W/O QUAIL GLEN ON N/S BRZY MEADOWS LD	10872028	9500L	-117.253495508	33.9613858007	25	1491962
2358343E	CONCRETE	1987	BRZY MDWS CROSS OF QUAIL GLEN LOT 31	10872028	9500L	-117.252887364	33.9613875930	25	1491962
2358344E	CONCRETE	1987	C/O OF QUAIL GLEN & ROSEMEADOW LOT 83	10872028	9500L	-117.252836034	33.9620617059	25	1491962
2358345E	CONCRETE	1987	LOT 93 N/S ROSEMDOW 130'W/O QL GLN	10872028	9500L	-117.253308669	33.9621166607	25	1491962
2358346E	CONCRETE	1987	LOT 88 END OF ROSEMEADOW	10872028	9500L	-117.253752795	33.9623439085	25	1491962
2358646E	CONCRETE	1987	CEDAR DR N/S, 110' N/O REDBARK	10872028	9500L	-117.249460600	33.9633887889	25	1491962
2358647E	CONCRETE	1987	REDBARK DR S/S, 5' E/O CEDAR DR	10872028	9500L	-117.249845213	33.9630879258	25	1491962
4043103E	CONCRETE	1989	VILLAGE RD N/S, 45' S/O MALLORCA WAY	10872028	9500L	-117.249589325	33.9638788340	25	1491962
4043104E	CONCRETE	1989	VILLAGE RD N/S, 230' S/O MALLORCA WY	10872028	9500L	-117.250056456	33.9635512524	25	1491962
4043125E	CONCRETE	1988	VILLAGE N/S, 120' E/O C/L POPPY MEADOW WAY	10872028	9500L	-117.252322448	33.9635731331	25	1491962
4043126E	CONCRETE	1988	VILLAGE N/S, 300' E/O POPPY MEADOW WAY	10872028	9500L	-117.251900935	33.9633932082	25	1491962
4043127E	CONCRETE	1988	VILLAGEN/S,453' E/O POPPY MEADOW WAY	10872028	9500L	-117.251403624	33.9632452674	25	1491962
4043128E	CONCRETE	1988	VILLAGE RD N/S,600' E/O POPPY MEADOW WAY	10872028	9500L	-117.250772362	33.9632970237	25	1491962
4231101E	CONCRETE	1992	S/S PARKLAND AVE., 50' W/O ROCKY RIDGE RD.	10872028	9500L	-117.252110263	33.9605904862	25	1491962
4231102E	CONCRETE	1992	E/S BETH CT., 40' S/O PARKLAND AVE.	10872028	9500L	-117.252767158	33.9605323964	25	1491962
4231103E	CONCRETE	1992	W/S BETH CT. 110' S/O PARKLAND AVE.	10872028	9500L	-117.252806585	33.9602513819	25	1491962
4231104E	CONCRETE	1992	N/S PARKLAND AVE., 10' E/O BETH CT.	10872028	9500L	-117.252807479	33.9606997636	25	1491962
4231105E	CONCRETE	1992	S/S PARKLAND AVE., 180' W/O BETH CT.	10872028	9500L	-117.253476778	33.9605884884	25	1491962
4231106E	CONCRETE	1992	WEST END PARKLAND AVE.	10872028	9500L	-117.253816102	33.9606099875	25	1491962
2302637E	CONCRETE	1985	COLD SPRING,N/S, COR/O LE GRAND LN	10872028	9500L	-117.247356580	33.9604272671	25	1491962
2302638E	CONCRETE	1985	COLD SPRING, N/S, 130' W/O SULTAN ST	10872028	9500L	-117.246578700	33.9607025459	25	1491962
2302639E	CONCRETE	1985	COLD SPRING, S/S, COR/O SULTAN ST	10872028	9500L	-117.246090487	33.9605848304	25	1491962
2302640E	CONCRETE	1985	SULTAN ST, W/S, 45' N/O WINTERGLEN CIR	10872028	9500L	-117.246245640	33.9599081134	25	1491962
2302641E	CONCRETE	1985	WINTERGLEN CIR, 165' W/O SULTAN ST	10872028	9500L	-117.246959638	33.9598383578	25	1491962
2302643E	CONCRETE	1985	COLD SPRING, S/S, COR/O SILVER RUN	10872028	9500L	-117.245275504	33.9606262969	25	1491962
2302644E	CONCRETE	1985	SILVER RUN, E/S, 240' S/O COLD SPRING	10872028	9500L	-117.245273449	33.9600196060	25	1491962
2302646E	CONCRETE	1985	MINERS TR, E/S, COR/O COLD SPRING	10872028	9500L	-117.244445056	33.9606734895	25	1491962
2302647E	CONCRETE	1985	MINERS TR, W/S, 160' N/O HILLGATE ST	10872028	9500L	-117.244570554	33.9599691910	25	1491962
2302648E	CONCRETE	1985	MINERS TR, E/S, COR/O HILLGATE ST	10872028	9500L	-117.244582675	33.9595478035	25	1491962
2358301E	CONCRETE	1987	HAZELWOOD DR W/S, 190' S/O OAK FIELD	10872028	9500L	-117.246416917	33.9628567258	25	1491962
2358302E	CONCRETE	1987	REDBARK DR N/S, 195' E/O OAK KNOLL	10872028	9500L	-117.247893523	33.9617639115	25	1491962
2358303E	CONCRETE	1987	REDBARK DR S/S, 380' E/O OAK KNOLL	10872028	9500L	-117.247198635	33.9616592800	25	1491962
2358304E	CONCRETE	1987	REDBARK DR N/S, 600' E/O OAK KNOLL	10872028	9500L	-117.246615034	33.9617760747	25	1491962
2358305E	CONCRETE	1987	REDBARK DR E/S, 780' E/O OAK KNOLL	10872028	9500L	-117.246270990	33.9619938696	25	1491962
2358306E	CONCRETE	1987	REDBARK DR W/S, 660' S/O PINE FIELD	10872028	9500L	-117.245703405	33.9624536133	25	1491962
2358307E	CONCRETE	1987	REDBARK DR E/S, 480' S/O PINE FIELD	10872028	9500L	-117.245176636	33.9628137138	25	1491962
2358308E	CONCRETE	1987	REDBARK DR W/S, 270' S/O PINE FIELD	10872028	9500L	-117.244954933	33.9632424608	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2358309E	CONCRETE	1987	REDBARK DR W/S, 110' S/O PINE FIELD	10872028	9500L	-117.244740344	33.9637443242	25	1491962
2358314E	CONCRETE	1987	HAZELWOOD DR W/S, 130' S/O PINE FIELD	10872028	9500L	-117.245616163	33.9638184725	25	1491962
2358315E	CONCRETE	1987	HAZELWOOD DR E/S, 40' N/O OAK FIELD RD	10872028	9500L	-117.245941970	33.9631956608	25	1491962
2358316E	CONCRETE	1987	OAK FIELD RD N/S, 125' W/O HAZELWOOD	10872028	9500L	-117.246308954	33.9633811277	25	1491962
2358317E	CONCRETE	1987	OAK FIELD RD N/S, 310' E/O ELM FIELD	10872028	9500L	-117.247083904	33.9635531887	25	1491962
2358318E	CONCRETE	1987	OAK FIELD RD S/S, 145' E/O ELM FIELD	10872028	9500L	-117.247637833	33.9636431477	25	1491962
2358328E	CONCRETE	1987	120' N/O BRZY MDOW DR ON E/S SHDY GLD RD LT	10872028	9500L	-117.250133002	33.9617259602	25	1491962
2358330E	CONCRETE	1987	BTWN LTS 14 & 15 BRZY MDOW DR	10872028	9500L	-117.249781379	33.9614842316	25	1491962
2358331E	CONCRETE	1987	BRZY MDOW DR END OF SHDY GLD RDLT 19	10872028	9500L	-117.250185021	33.9613975039	25	1491962
2358648E	CONCRETE	1987	CEDAR DR N/S, 15' N/O HAZELWOOD	10872028	9500L	-117.249194541	33.9636017748	25	1491962
2358649E	CONCRETE	1987	HAZELWOOD DR N/S, 85' E/O CEDAR	10872028	9500L	-117.248856869	33.9633712052	25	1491962
2358689E	CONCRETE	1987	ELM FIELD CR W/S, 130' N/O HAZELWOOD	10872028	9500L	-117.248345169	33.9632263403	25	1491962
2358690E	CONCRETE	1987	OAK FIELD RD N/S, 10' W/O ELM FIELD	10872028	9500L	-117.247991621	33.9638031921	25	1491962
2358692E	CONCRETE	1987	REDBARK DR S/S, 220' E/O CEDAR DR	10872028	9500L	-117.249441521	33.9626148460	25	1491962
2358693E	CONCRETE	1987	HAZELWOOD DR S/S, 10' W/O ELM FIELD	10872028	9500L	-117.248708902	33.9629780643	25	1491962
2358694E	CONCRETE	1987	REDBARK DR S/S, COR/O OAK KNOLL	10872028	9500L	-117.248559411	33.9617718913	25	1491962
2358695E	CONCRETE	1987	REDBARK DR S/S, 170' W/O OAK KNOLL DR	10872028	9500L	-117.249039175	33.9621492157	25	1491962
2358696E	CONCRETE	1987	OAK KNOLL DR E/S, 150' S/O HAZELWOOD	10872028	9500L	-117.248281526	33.9622372605	25	1491962
2358697E	CONCRETE	1987	HAZELWOOD DR N/S, 5' W/O OAK KNOLL	10872028	9500L	-117.248104850	33.9625778585	25	1491962
2358698E	CONCRETE	1987	HAZELWOOD DR S/S, 20' W/O TEAKWOOD	10872028	9500L	-117.247413168	33.9623597462	25	1491962
2358699E	CONCRETE	1987	TEAKWOOD CR E/S, 125' N/O HAZELWOOD	10872028	9500L	-117.247355931	33.9626483667	25	1491962
2358700E	CONCRETE	1987	HAZELWOOD DR S/S, 170' E/O TEAKWOOD	10872028	9500L	-117.246930253	33.9624243568	25	1491962
2307254E	CONCRETE	1985	HEACOCK ST, N/W COR/O HILLGATE ST	10872028	22000L	-117.244046463	33.9595981151	29	1491960
4567452E	CONCRETE	2005	SILVER RUN, E/S, 190' N/O COPPER HILL PL	10872028	9500L	-117.245252232	33.9591411654	26	1491962
2135470E	CONCRETE	1977	CHIPPEWA TR, E/END/O OQUAPAW TR	10872031	5800L	-117.238565876	33.9589132292	25	1491962
2135471E	CONCRETE	1977	QUAPAW TR E/S, 125' N/O CHIPPEWA TR	10872031	5800L	-117.238505336	33.9593054990	25	1491962
2150435E	CONCRETE	1978	FERNVIEW N/END OF SAME	10872031	5800L	-117.234542255	33.9591477480	25	1491962
2150436E	CONCRETE	1978	SUMMERFIELD DR S/S 180' W/O INDIAN	10872031	5800L	-117.234558108	33.9598801044	25	1491962
2135466E	CONCRETE	1977	DAVIS ST, 100' S/O MANZANITA	10872031	5800L	-117.239435376	33.9607152458	25	1491962
2344861E	CONCRETE	1986	AMENONE CIR, W/S, COR/O JASMINE CT	10872031	9500L	-117.234763740	33.9637910699	25	1491962
2135468E	CONCRETE	1977	DAVIS ST E/S, 150' N/O CHIPPEWA TR	10872031	9500L	-117.239431718	33.9593794849	25	1491962
2135469E	CONCRETE	1977	DAVIS ST, N/W COR/O CHIPPEVA TR	10872031	9500L	-117.239548744	33.9590010505	25	1491962
2206868E	CONCRETE	1980	7248 CHIPPEWA TR	10872031	9500L	-117.238075129	33.9590199293	25	1491962
2207176E	CONCRETE	1980	7096 CHIPPEWA	10872031	9500L	-117.237412282	33.9589063569	25	1491962
2226480E	CONCRETE	1980	CHIPPEWA TR P/P W/S 330' N/O C/L/O BADGER S	10872031	9500L	-117.241269072	33.9588496659	25	1491962
2226481E	CONCRETE	1980	CHIPPEWA TR S/S P/P 350' W/O C/L/O DAVIS ST	10872031	9500L	-117.240716410	33.9589213108	25	1491962
2226482E	CONCRETE	1980	CHIPPEWA TR P/P N/S 155' W/O DAVIS ST	10872031	9500L	-117.240052387	33.9590023798	25	1491962
2226483E	CONCRETE	1980	DAVIS ST W/S P/P 55' S/O C/L/O CHIPPEWA TR	10872031	9500L	-117.239546018	33.9588079781	25	1491962
2292527E	CONCRETE	1984	ROYALE ST E/S 330 N/O BADGER SPRINGS TRAIL	10872031	9500L	-117.242156473	33.9587533151	25	1491962
2292528E	CONCRETE	1984	ROYALE ST W/S 510 N/O BADGER SPRINGS TRAIL	10872031	9500L	-117.242238439	33.9591490602	25	1491962
2292531E	CONCRETE	1984	FORSYTHE ST W/S 280 N/O BADGER SPRINGS TRAIL	10872031	9500L	-117.243293210	33.9586264373	25	1491962
2292532E	CONCRETE	1984	FORSYTHE ST E/S 450 N/O BADGER SPRINGS TRAIL	10872031	9500L	-117.243168443	33.9591155393	25	1491962
2207174E	CONCRETE	1980	7216 CHIPPEWA	10872031	9500L	-117.236635504	33.9590350539	35	1491962
2207199E	CONCRETE	1980	7196 CHIPPEWA	10872031	9500L	-117.235920877	33.9598497371	35	1491962
2207200E	CONCRETE	1980	7140 CHIPPEWA	10872031	9500L	-117.235761646	33.9595857558	35	1491962
2135467E	CONCRETE	1978	DAVIS ST E/S, 300' S/O MANZANITA AV	10872031	9500L	-117.239420443	33.9603568886	25	1491962
2135472E	CONCRETE	1978	QUAPAW TR W/S, 260' N/O CHIPPEWA TR	10872031	9500L	-117.238659387	33.9596460381	30	1491962
2135473E	CONCRETE	1977	QUAPAW TR W/S, 200' N/O PAWNEE TR	10872031	9500L	-117.238620961	33.9603795500	25	1491962
2173104E	CONCRETE	1978	QUAPAW N/S LOT 1-2 E/O DUCKBILL	10872031	9500L	-117.238310253	33.9606941976	30	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2173105E	CONCRETE	1978	QUAPAW S/S LOT 15 E/O DUCKBILL	10872031	9500L	-117.237666623	33.9605941628	30	1491962
2173106E	CONCRETE	1978	QUAPAW N/S LOT 7 E/O DUCKBILL	10872031	9500L	-117.236910936	33.9606968275	30	1491962
2173107E	CONCRETE	1978	PAWNEE S/S, 130' E/O QUAPAW TRL	10872031	9500L	-117.238113931	33.9597716388	25	1491962
2173108E	CONCRETE	1978	PAWNEE TR N/S, 260' E/O QUAPAW TR	10872031	9500L	-117.237549055	33.9598795889	25	1491962
2173109E	CONCRETE	1978	PAWNEE END OF STREET	10872031	9500L	-117.236818934	33.9598140692	25	1491962
2289976E	CONCRETE	1984	ROYALE ST N/S 420 W/O DAVIS	10872031	9500L	-117.240942268	33.9598764132	25	1491962
2289977E	CONCRETE	1984	ROYALE ST S/S 580 W/O DAVIS	10872031	9500L	-117.241858820	33.9597929230	25	1491962
2289978E	CONCRETE	1984	ROYALE ST S/S 315 W/O DAVIS	10872031	9500L	-117.240454257	33.9598010464	25	1491962
2289979E	CONCRETE	1984	FORSYTE ST S/S 480 W/O DAVIS	10872031	9500L	-117.241191941	33.9606696610	25	1491962
2289980E	CONCRETE	1984	FORSYTE ST N/S 305 W/O DAVIS	10872031	9500L	-117.240523693	33.9607311235	25	1491962
2289982E	CONCRETE	1984	ROYALE ST N/S 125 W/O DAVIS	10872031	9500L	-117.239967567	33.9599109048	25	1491962
2292529E	CONCRETE	1984	ROYALE ST W/S 670 N/O BADGER SPRINGS TRAIL	10872031	9500L	-117.242253950	33.9595376336	25	1491962
2292533E	CONCRETE	1984	FORSYTHE ST W/S 540 N/O BADGER SPRINGS TRAIL	10872031	9500L	-117.243275501	33.9594530432	25	1491962
2292534E	CONCRETE	1984	FORSYTHE ST N/S 820 N/O BADGER SPRINGS TRAIL	10872031	9500L	-117.243135100	33.9607218621	25	1491962
2302215E	CONCRETE	1984	FORSYTHE S/S 980 N/O BADGER SPRINGS TRAIL	10872031	9500L	-117.242671845	33.9606444914	25	1491962
2302216E	CONCRETE	1984	FORSYTHE ST N/S 990 N/O BADGER SPRINGS TRAIL	10872031	9500L	-117.242351247	33.9607325867	25	1491962
2302230E	CONCRETE	1984	OLD COUNTRY S/S W/O LEMONWOOD	10872031	9500L	-117.239911361	33.9622035633	30	1491962
2302231E	CONCRETE	1984	OLD COUNTRY RD S/S 225 W/O PLEASANT RUN	10872031	9500L	-117.240865747	33.9626510998	25	1491962
2302232E	CONCRETE	1984	OLD COUNTRY RD W/S 245 S/O NO COUNTRY RD	10872031	9500L	-117.241828931	33.9640027709	25	1491962
2302235E	CONCRETE	1984	FENTON S/W COR/O ORANGE CREEK	10872031	9500L	-117.243326697	33.9632608520	25	1491962
2302236E	CONCRETE	1984	ORANGE CREEK S/S E/O FENTON	10872031	9500L	-117.242736688	33.9632983785	25	1491962
2302238E	CONCRETE	1984	COR/O PLEASANT RUN & FENTON	10872031	9500L	-117.243151141	33.9616980867	25	1491962
2302239E	CONCRETE	1984	N/W COR/O NOBLEWOOD & PLEASANT RUN	10872031	9500L	-117.242481533	33.9617082966	25	1491962
2302240E	CONCRETE	1984	NOBLEWOOD E/S N/O PLEASANT RUN	10872031	9500L	-117.242309623	33.9621758147	25	1491962
2302241E	CONCRETE	1984	PLEASANT RUN S/S & OAKRUN	10872031	9500L	-117.241557123	33.9616231552	25	1491962
2302242E	CONCRETE	1984	PLEASANT RUN N/S W/O B5206682	10872031	9500L	-117.240667754	33.9617644370	25	1491962
2302243E	CONCRETE	1984	LEMONWOOD W/S S/O OLD COUNTRY	10872031	9500L	-117.239629989	33.9615710546	25	1491962
2302244E	CONCRETE	1984	BRENER CIRCLE E/S S/O OLD COUNTRY	10872031	9500L	-117.238328918	33.9617129999	25	1491962
2309104E	CONCRETE	1985	OLD CNTRY, E/S, 200' N/O WOLF RUN RD	10872031	9500L	-117.241446624	33.9633243587	25	1491962
2309105E	CONCRETE	1985	OLD CNTRY, N/S, 200' S/O WOLF RUN RD	10872031	9500L	-117.240407946	33.9624213357	25	1491962
2309106E	CONCRETE	1985	OLD CNTRY, N/S, 700' E/O WOLF RUN RD	10872031	9500L	-117.238834432	33.9623016553	25	1491962
2309107E	CONCRETE	1985	OLD CNTRY, N/S, 500' S/O SLY FOX RD	10872031	9500L	-117.237809846	33.9627176164	25	1491962
2309108E	CONCRETE	1985	OLD CNTRY, N/S, COR/O SLY FOX	10872031	9500L	-117.237095200	33.9639672230	25	1491962
2309114E	CONCRETE	1985	BARLEY RD, S/S, 285' W/O SLY FOX	10872031	9500L	-117.238045059	33.9634969933	25	1491962
2309115E	CONCRETE	1985	BARLEY RD, N/S, 210' E/O FOXLOVE LN	10872031	9500L	-117.238714942	33.9631218450	25	1491962
2309116E	CONCRETE	1985	BARLEY RD, S/S, COR/O FOXLOVE LN	10872031	9500L	-117.239618888	33.9629055682	25	1491962
2309117E	CONCRETE	1985	BARLEY RD, W/S, COR/O WOLF RUN RD	10872031	9500L	-117.240345723	33.9631370380	25	1491962
2309118E	CONCRETE	1985	BARLEY RD, E/S, 225' N/O WOLF RUN RD	10872031	9500L	-117.240751287	33.9637680660	25	1491962
2309119E	CONCRETE	1985	ELMCREEK RD, S/S, 160' E/O FOXLOVE	10872031	9500L	-117.239233795	33.9636666820	25	1491962
2309120E	CONCRETE	1985	FOXLOVE LN, N/E COR/O ELMCREEK	10872031	9500L	-117.239542586	33.9636894144	25	1491962
2309356E	CONCRETE	1985	OLD COUNTRY RD, E/S, 235' N/O DUCKBILL RD	10872031	9500L	-117.237284643	33.9631265603	25	1491962
2309357E	CONCRETE	1985	DUCKBILL RD, E/S, 55' N/O ROBINWOOD DR	10872031	9500L	-117.237474225	33.9618370397	25	1491962
2309360E	CONCRETE	1985	ROBINWOOD DR, N/S, COR/O TEA BARK DR	10872031	9500L	-117.236828258	33.9617465231	25	1491962
2309361E	CONCRETE	1985	TEA BARK DR, W/S, 250' N/O ROBINWOOD DR	10872031	9500L	-117.236778972	33.9624331774	25	1491962
2309362E	CONCRETE	1985	TEA BARK DR, W/S, 130' S/O QUAIL NEST RD	10872031	9500L	-117.236614572	33.9628465641	25	1491962
2309364E	CONCRETE	1985	TEA BARK DR, E/S, COR/O QUAIL NEST RD	10872031	9500L	-117.236265559	33.9632187091	25	1491962
4065729E	CONCRETE	1988	FORSYTHE ST E/S 740 N/O BADGER SPRINGS TRAIL	10872031	9500L	-117.243146482	33.9599098404	25	1491962
4207216E	CONCRETE	1992	BARLEY RD, W/S 65' S/O SLY FOX	10872031	9500L	-117.237955903	33.9638710917	25	1491962
2302237E	CONCRETE	1984	FENTON RD E/S 255 S/O ORANGE CREEK	10872031	9500L	-117.243167352	33.9626572894	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2207197E	CONCRETE	1980	7180QUAPAW TR	10872031	9500L	-117.236238820	33.9606974888	25	1491962
2207198E	CONCRETE	1980	7160 CHIPPEWA	10872031	9500L	-117.235795304	33.9604198214	25	1491962
2309358E	CONCRETE	1985	ROBINWOOD DR, S/S, 200' E/O TEA BARK DR	10872031	9500L	-117.235982275	33.9617106858	25	1491962
2309359E	CONCRETE	1985	ROBINWOOD DR, W/S, 280' E/O TEA BARK DR	10872031	9500L	-117.235771682	33.9621740557	25	1491962
2309363E	CONCRETE	1985	QUAIL NEST RD, S/S, 200' E/O TEA BARK DR	10872031	9500L	-117.235732010	33.9629272391	25	1491962
2309365E	CONCRETE	1985	BROWN DOVE CIRCLE, S/S, 190' E/O TEA BARK DR	10872031	9500L	-117.235540250	33.9637570427	25	1491962
2309366E	CONCRETE	1985	TEA BARK DR, E/S, COR/O BROWN DOVE CIRCLE	10872031	9500L	-117.236056126	33.9639391464	25	1491962
2344855E	CONCRETE	1986	WILD CALLA RD, S/S, 230' W/O SHAGBARK RD	10872031	9500L	-117.234264909	33.9620672187	25	1491962
2344856E	CONCRETE	1986	WILD CALLA RD, S/W COR/O AMENONE CIR	10872031	9500L	-117.234744830	33.9619964870	25	1491962
2344857E	CONCRETE	1986	AMENONE CIR, W/S, 160' N/O WILD CALLA RD	10872031	9500L	-117.234723915	33.9624367867	25	1491962
2344858E	CONCRETE	1986	AMENONE CIR, N/E COR/O WISTERIA LN	10872031	9500L	-117.234604455	33.9628520103	25	1491962
2344860E	CONCRETE	1986	AMENONE CIR, W/S, 140' S/O JASMINE CT	10872031	9500L	-117.234732370	33.9634144525	25	1491962
2344862E	CONCRETE	1986	JASMINE CT, S/S, 140' E/O AMENONE CIR	10872031	9500L	-117.234275072	33.9638060288	25	1491962
4163397E	CONCRETE	1991	S/E C/O ZUPPARDO WAY & INDIAN, MRNO VLY	10872031	9500L	-117.235054055	33.9606846454	25	1491962
4163398E	CONCRETE	1991	ZUPPARDO WAY N/S, 270' E/O C/L INDIAN, MRNO	10872031	9500L	-117.234242936	33.9608016141	25	1491962
2302218E	CONCRETE	1984	HEACOCK ST E/S 470 N/O BADGER SPRINGS TRAIL	10872031	22000L	-117.243792646	33.9591427725	29	1491960
2307253E	CONCRETE	1985	HEACOCK ST, W/S, 230' S/O HILLGATE ST	10872031	22000L	-117.243982179	33.9589955685	29	1491960
2207196E	CONCRETE	1980	W/S INDIAN AVE, 340' S/O SUMMERFIELD DR	10872031	22000L	-117.235229946	33.9590246615	35	1491960
2135464E	CONCRETE	1977	MANZANITA S/S 130' E/O DAVIS ST	10872031	22000L	-117.238847182	33.9611078399	25	1491960
2135465E	CONCRETE	1977	C/O MANZANITA & DAVIS ST	10872031	22000L	-117.239394797	33.9611061584	25	1491960
2173101E	CONCRETE	1978	MANZANITA S/S 150 E/O DAVIS ST	10872031	22000L	-117.237957848	33.9611304046	30	1491960
2173102E	CONCRETE	1978	MANZANITA S/S 500' E/O DAVIS	10872031	22000L	-117.237374160	33.9611448759	30	1491960
2173103E	CONCRETE	1978	MANZANITA S/S 900' E/O DAVIS	10872031	22000L	-117.236498537	33.9611466632	30	1491960
2289983E	CONCRETE	1984	MANZANITA S/S 360 W/O DAVIS	10872031	22000L	-117.240677195	33.9610959487	30	1491960
2302219E	CONCRETE	1984	HEACOCK ST E/S 270 S/O MANZANITA AVE	10872031	22000L	-117.243827609	33.9603351863	29	1491960
2302221E	CONCRETE	1984	MANZANITA AVE S/S 500 E/O HEACOCK ST	10872031	22000L	-117.242242486	33.9610821266	29	1491960
2302223E	CONCRETE	1984	HEACOCK ST E/S 345 S/O NO COUNTRY BLVD	10872031	22000L	-117.243795109	33.9635724362	29	1491960
2302224E	CONCRETE	1984	HEACOCK ST E/S 465 N/O MANZANITA	10872031	22000L	-117.243852048	33.9621719197	29	1491960
2302227E	CONCRETE	1984	MANZANITA AVE N/S 840 E/O HEACOCK	10872031	22000L	-117.241166399	33.9612035141	29	1491960
2302228E	CONCRETE	1984	MANZANITA N/S 1300 E/O HEACOCK	10872031	22000L	-117.239586371	33.9611929658	29	1491960
2302229E	CONCRETE	1984	MANZANITA AVE N/S & DUCKBILL RD	10872031	22000L	-117.237611583	33.9612234898	25	1491960
2335551E	CONCRETE	1986	HEACOCK, W/S, 260' N/O MANZANITA AVE	10872031	22000L	-117.243961807	33.9617001230	29	1491960
2335552E	CONCRETE	1986	HEACOCK, W/S, 565' S/O SUNNYMEAD RANCH RD	10872031	22000L	-117.243951622	33.9625516936	29	1491960
2207193E	CONCRETE	1980	S/S MANZANITA AV 200 W/O INDIAN AV	10872031	22000L	-117.235924120	33.9611331646	25	1491960
2207194E	CONCRETE	1980	W/S INDIAN AV 20 S/O MANZANITA	10872031	22000L	-117.235227307	33.9611513033	25	1491960
2207195E	CONCRETE	1980	W/S INDIAN AV 225 S/O MANZANITA	10872031	22000L	-117.235205512	33.9605424888	25	1491960
2309369E	CONCRETE	1985	MANZANITA DR, N/S, 680' E/O DUCKBILL RD	10872031	22000L	-117.235469094	33.9613230280	29	1491960
2344853E	CONCRETE	1986	MANZANITA AVE, N/S, 320' W/O SHAGBARK RD	10872031	22000L	-117.234382441	33.9615042128	29	1491960
4002696E	CONCRETE	1988	MANZANITA AVE S/S, 500' W/O SHAGBARK RD	10872031	22000L	-117.234877245	33.9613297127	29	1491960
4364481E	CONCRETE	2000	FORSYTE ST S/S 120 W/O DAVIS	10872031	9500L	-117.239910138	33.9606433308	26	1491962
2150437E	CONCRETE	1978	SUMMERFIELD DR N/S 60' W/O SUNGLOW DR	10872034	5800L	-117.233706222	33.9599614397	25	1491962
2150438E	CONCRETE	1978	S/E COR/O SUMMERFIELD & SUNGLOW	10872034	5800L	-117.233481724	33.9598700544	25	1491962
2150439E	CONCRETE	1978	SUNGLOW W/S 180' S/O SUMMERFIELD	10872034	5800L	-117.233611307	33.9594616533	25	1491962
2351982E	CONCRETE	1986	SUMMERFIELD DR, S/S, 155' E/O SUNDAY DR	10872034	9500L	-117.232060037	33.9598653854	25	1491962
2351983E	CONCRETE	1986	SUMMERFIELD DR, N/W COR/O SUNDAY DR	10872034	9500L	-117.232612058	33.9599760510	25	1491962
2351992E	CONCRETE	1986	FREEDOM CT, N/S, 190' E/O HUBBARD ST	10872034	9500L	-117.230376883	33.9599246541	25	1491962
2351993E	CONCRETE	1986	FREEDOM CT, S/S, 415' E/O HUBBARD ST	10872034	9500L	-117.229651772	33.9597798201	25	1491962
2351994E	CONCRETE	1986	HUBBARD ST, W/S, COR/O FREEDOM CT	10872034	9500L	-117.230896094	33.9598811407	25	1491962
2351995E	CONCRETE	1986	HUBBARD ST, W/S, COR/O HUNTLEY DR	10872034	9500L	-117.230852867	33.9590945226	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2351996E	CONCRETE	1986	HUNTLEY DR, N/S, 132' W/O HUBBARD ST	10872034	9500L	-117.231310488	33.9590831227	25	1491962
2351997E	CONCRETE	1986	HUNTLEY DR, N/S, 360' W/O HUBBARD ST	10872034	9500L	-117.232136752	33.9590503837	25	1491962
2351998E	CONCRETE	1986	HUNTLEY DR, W/S, 370' N/O SUNNY RIDGE DR	10872034	9500L	-117.232623146	33.9589087991	25	1491962
4166236E	CONCRETE	1992	N/W C/O PICO VISTA & MOUNTAIN CREST	10872034	9500L	-117.225612570	33.9591562091	25	1491962
4166237E	CONCRETE	1992	MOUNTAIN CREST E/S, 250' N/O C/L PICO VISTA	10872034	9500L	-117.225241306	33.9595657058	25	1491962
4166241E	CONCRETE	1992	LOS OLIVOS E/S, 160' S/O C/L ALTA VISTA	10872034	9500L	-117.224183205	33.9600217387	25	1491962
4166242E	CONCRETE	1992	LOS OLIVOS W/S, 160' N/O C/L PICO VISTA	10872034	9500L	-117.224358869	33.9593285296	25	1491962
2344854E	CONCRETE	1986	WILD CALLA RD, N/S, 30' W/O SHAGBARK RD	10872034	9500L	-117.233745529	33.9623339724	25	1491962
2344859E	CONCRETE	1986	WISTERIA LN, S/S, 195' E/O AMENONE CIR	10872034	9500L	-117.233982551	33.9629312082	25	1491962
2351984E	CONCRETE	1986	SUNDAY DR, W/S, 175' N/O SUMMERFIELD DR	10872034	9500L	-117.232590587	33.9603391766	25	1491962
2351985E	CONCRETE	1986	SUNDAY DR, N/S, 310' N/O SUMMERFIELD DR	10872034	9500L	-117.232482583	33.9607272133	25	1491962
2351986E	CONCRETE	1986	SUNDAY DR, N/S, 330' W/O HUBBARD ST	10872034	9500L	-117.231974464	33.9607302297	25	1491962
2351987E	CONCRETE	1986	SUNDAY DR, S/S, 110' W/O HUBBARD ST	10872034	9500L	-117.231283551	33.9606280400	25	1491962
2351988E	CONCRETE	1986	SUNDAY DR, S/E COR/O HUBBARD ST	10872034	9500L	-117.230826070	33.9606284210	25	1491962
2351989E	CONCRETE	1986	SUNDAY DR, N/S, 270' E/O HUBBARD ST	10872034	9500L	-117.230237661	33.9607135607	25	1491962
2351990E	CONCRETE	1986	SUNDAY DR, N/S, 655' E/O HUBBARD ST	10872034	9500L	-117.228999012	33.9607154424	25	1491962
2351991E	CONCRETE	1986	HUBBARD ST, W/S, 115' S/O SUNDAY DR	10872034	9500L	-117.230916315	33.9603325162	25	1491962
2358254E	CONCRETE	1987	WILD CALLA S/S, 545' S/O MUSKEG	10872034	9500L	-117.232965776	33.9626726515	25	1491962
2358255E	CONCRETE	1987	WILD CALLA N/S, 335' S/O MUSKEG	10872034	9500L	-117.232558593	33.9631592255	25	1491962
2358256E	CONCRETE	1987	WILD CALLA S/S, 175' S/O MUSKEG	10872034	9500L	-117.232156549	33.9635064215	25	1491962
2358258E	CONCRETE	1987	WILD CALLA S/S, 30' S/O HILL GRASS	10872034	9500L	-117.231255100	33.9641248338	25	1491962
2358263E	CONCRETE	1987	WISTERIA LN N/S, 460' S/O HILL GRASS	10872034	9500L	-117.232684425	33.9641660511	25	1491962
2358264E	CONCRETE	1987	WISTERIA LN S/S, 670' S/O HILL GRASS	10872034	9500L	-117.233010935	33.9637270942	25	1491962
2358265E	CONCRETE	1987	WISTERIA LN N/S, 880' S/O HILL GRASS	10872034	9500L	-117.233434805	33.9634487612	25	1491962
2358292E	CONCRETE	1987	JASMINE CT N/S, 215' S/O ROCK ROSE	10872034	9500L	-117.233927607	33.9640809167	25	1491962
2361327E	CONCRETE	1988	THORNBERRY CR N/S, 180' N/O MUSKEG WY	10872034	9500L	-117.230619545	33.9633088137	25	1491962
2361328E	CONCRETE	1988	CANDLENUT CT N/S, 420' E/O THORNBERRY CR	10872034	9500L	-117.231060410	33.9616408890	25	1491962
2361927E	CONCRETE	1987	WILD CALLA N/S, 10' N/O MUSKEG WY	10872034	9500L	-117.231869482	33.9638480662	25	1491962
2362101E	CONCRETE	1986	SUNDAY DR, S/S, 480' E/O HUBBARD ST	10872034	9500L	-117.229598786	33.9606275747	25	1491962
4002603E	CONCRETE	1988	THORNBERRY CR E/S, 45' N/O CANDLENUT CT	10872034	9500L	-117.231991180	33.9620245852	25	1491962
4002697E	CONCRETE	1988	THORNBERRY CR S/S, 10' W/O SHAGBARK RD	10872034	9500L	-117.233010407	33.9614020103	25	1491962
4002698E	CONCRETE	1988	THORNBERRY CR S/S, 135' S/O CANDLENUT CT	10872034	9500L	-117.232513928	33.9616730272	25	1491962
4003213E	CONCRETE	1988	THORNBERRY CR N/S, 170' S/O MUSKEG WY	10872034	9500L	-117.231342941	33.9627625482	25	1491962
4003214E	CONCRETE	1988	THORNBERRY CR S/S, 20' N/O MUSKEG WY	10872034	9500L	-117.230941018	33.9630138195	25	1491962
4003215E	CONCRETE	1988	PLUMTREE CT N/S, 135' E/O THORNBERRY CR	10872034	9500L	-117.230948208	33.9624457146	25	1491962
4003216E	CONCRETE	1988	PLUMTREE CT S/S, 354' E/O THORNBERRY CR	10872034	9500L	-117.230072937	33.9623806876	25	1491962
4003217E	CONCRETE	1988	CANDLENUT CT S/S, 160' E/O THORNBERRY CR	10872034	9500L	-117.231784691	33.9616149095	25	1491962
4003219E	CONCRETE	1988	CANDLENUT CT S/S, 560' E/O THORNBERRY CR	10872034	9500L	-117.230623593	33.9615285898	25	1491962
4003220E	CONCRETE	1988	CANDLENUT CR N/S, 780' E/O THORNBERRY CR	10872034	9500L	-117.230024891	33.9616124801	25	1491962
4016582E	CONCRETE	1988	MORNING RIDGE DR W/S, 150' S/O MANZANITA AVE	10872034	9500L	-117.229393748	33.9639919190	25	1491962
4016583E	CONCRETE	1988	MORNING RIDGE DR W/S, 330' S/O MANZANITA AVE	10872034	9500L	-117.229126072	33.9636023420	25	1491962
4016585E	CONCRETE	1988	SUN STREAM CR N/S, 135' E/O MORNING RIDGE DR	10872034	9500L	-117.228365730	33.9639005680	25	1491962
4016586E	CONCRETE	1988	MORNING RIDGE DR E/S, 220' S/O SUN STREAM CR	10872034	9500L	-117.228689850	33.9631289131	25	1491962
4016587E	CONCRETE	1988	MORNING RIDGE DR S/S, 125' S/O CLOUD HAVEN	10872034	9500L	-117.228169025	33.9620987972	25	1491962
4016588E	CONCRETE	1988	MORNING RIDGE DR W/S, 30' W/O CLOUD HAVEN	10872034	9500L	-117.228593147	33.9626998267	25	1491962
4016596E	CONCRETE	1988	CLOUD HAVEN W/S, 320' E/O MORNING RIDGE DR	10872034	9500L	-117.227718177	33.9631280002	25	1491962
4016597E	CONCRETE	1988	CLOUD HAVEN DR S/S, 120' E/O MORNING RIDGE	10872034	9500L	-117.227963494	33.9625594177	25	1491962
4016598E	CONCRETE	1988	CLOUD HAVEN W/S, 370' S/O MANZANITA AVE	10872034	9500L	-117.227480260	33.9637530895	25	1491962
4163399E	CONCRETE	1991	ZUPPARDO WAY S/S, 530' E/O C/L INDIAN, MRNO	10872034	9500L	-117.233436166	33.9607038460	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4166238E	CONCRETE	1992	MOUNTAIN CREST W/S @ ALTA VISTA	10872034	9500L	-117.225421621	33.9605293074	25	1491962
4166239E	CONCRETE	1992	ALTA VISTA N/S @ MOUNTAIN CREST	10872034	9500L	-117.225338346	33.9606291094	25	1491962
4166240E	CONCRETE	1992	S/W C/O ALTA VISTA & LOS OLIVOS	10872034	9500L	-117.224332707	33.9605516006	25	1491962
2358251E	CONCRETE	1987	MANZANITA AV N/S, 440' S/O MUSKEG	10872034	22000L	-117.232388032	33.9624983596	29	1491960
2358252E	CONCRETE	1987	MANZANITA AV N/S, 45' S/O MUSKEG WY	10872034	22000L	-117.231592133	33.9633476766	29	1491960
4002690E	CONCRETE	1988	PERRIS BL W/S, 484' S/O MANZANITA AVE	10872034	22000L	-117.229586324	33.9628115843	29	1491960
4002691E	CONCRETE	1988	PERRIS BL W/S, 824' S/O MANZANITA AVE	10872034	22000L	-117.229100881	33.9619901975	29	1491960
4002692E	CONCRETE	1988	MANZANITA AVE S/S, 45' N/O MUSKEG WY	10872034	22000L	-117.231295439	33.9634841552	29	1491960
4002693E	CONCRETE	1988	MANZANITA AVE E/S, 450' N/O SHAGBARK RD	10872034	22000L	-117.232152859	33.9625391902	29	1491960
4002695E	CONCRETE	1988	MANZANITA AVE S/S, 170' W/O SHAGBARK RD	10872034	22000L	-117.233711357	33.9615926458	29	1491960
4016584E	CONCRETE	1988	PERIIS BLVD E/S, 260' S/O MANZANITA AVE	10872034	22000L	-117.229866861	33.9635263997	29	1491960
4016589E	CONCRETE	1988	PERRIS BLVD E/S, 1090' S/O MANZANITA AVE	10872034	22000L	-117.228524488	33.9613551570	29	1491960
4016592E	CONCRETE	1988	PERRIS BLVD E/S, 85' N/O MANZANITA AVE	10872034	22000L	-117.230278484	33.9642309936	29	1491960
4725936E	CONCRETE	2009	MANZANITA AVE. S/S, 45' E/O SHAGBARK RD.	10872034	22000L	-117.233176052	33.9618455029	29	1491960
4166243E	CONCRETE	1992	ALTA VISTA N/S, 150' E/O C/L LOS OLIVOS	10872037	9500L	-117.223764324	33.9606300156	25	1491962
4299237E	CONCRETE	1996	CREST VIEW S/S 430' W/O PICO VISTA WAY	10872037	9500L	-117.223248565	33.9605489161	25	1491962
4299238E	CONCRETE	1996	CREST VIEW DR N/S 45' W/O PICO VISTA WAY	10872037	9500L	-117.221706011	33.9606549126	25	1491962
4299239E	CONCRETE	1996	CREST VIEW DR S/S 200' E/O PICO VISTA WAY	10872037	9500L	-117.220914557	33.9605894243	25	1491962
4299240E	CONCRETE	1996	PICO VISTA E/S 240' N/O MEADOW CREST DR	10872037	9500L	-117.221493021	33.9599761655	25	1491962
4299241E	CONCRETE	1996	PICO VISTA WY W/S 45' S/O MEADOW CREST DR	10872037	9500L	-117.222067133	33.9594476703	25	1491962
4299242E	CONCRETE	1996	MEADOW CREST DR N/S 220' E/O PICO VISTA WY	10872037	9500L	-117.221651226	33.9599578013	25	1491962
4043149E	CONCRETE	1988	NIGHT SHADOW DRIVE W/S, 298' S/O MANZANIT	10872055	9500L	-117.160859905	33.9601366209	25	1491962
4043135E	CONCRETE	1989	S/S MANZANITA, 237' W/O B5343559	10872055	9500L	-117.163301731	33.9608792873	25	1491962
4043142E	CONCRETE	1988	S/S MANZANITA AVE., 239' E/O B5343559	10872055	9500L	-117.161974619	33.9608742729	25	1491962
4043150E	CONCRETE	1988	MANZANITA AVE S/S, 45' E/O WILD MUSTANG	10872055	9500L	-117.160641885	33.9608631085	25	1491962
2361989E	CONCRETE	1987	S/END OF BROOKMEAD	10892022	9500L	-117.267157681	33.9685408130	25	1491962
2361990E	CONCRETE	1987	E/S BROOKMEAD, 165' S/O COUNTRY GATE	10892022	9500L	-117.267283809	33.9688141251	25	1491962
2361991E	CONCRETE	1987	N/S COUNGRY GATE, 50' W/O BROOKMEAD	10892022	9500L	-117.267832733	33.9690076609	25	1491962
2361992E	CONCRETE	1987	S/S COUNTRY GATE, 245' W/O BROOKMEAD	10892022	9500L	-117.268278028	33.9686687727	25	1491962
2361993E	CONCRETE	1987	N/S COUNTRY GATE, 290' W/O BROOKMEAD	10892022	9500L	-117.268765899	33.9686725344	25	1491962
2361994E	CONCRETE	1987	S/S COUNTRY GATE, 460' W/O BROOKMEAD	10892022	9500L	-117.269414376	33.9685787064	25	1491962
4002700E	CONCRETE	1987	HIDDEN SPRINGS DR S/S, 190' E/O COUNTRY GAT	10892022	9500L	-117.266782430	33.9689627327	25	1491962
4112683E	CONCRETE	1990	S/S GOUNTRY GATE, 330' E/O VALLEY CREST	10892022	9500L	-117.270703051	33.9685704448	25	1491962
4112684E	CONCRETE	1990	N/S COUNTRY GATE, 100' E/O VALLEY CREST	10892022	9500L	-117.271363704	33.9686420779	25	1491962
4112685E	CONCRETE	1990	SOUTH END OF VALLEY CREST	10892022	9500L	-117.272010567	33.9685338177	25	1491962
2361956E	CONCRETE	1987	SPRINGDALE DR S/S, 45' W/O MOUNTAIN VIEW	10892022	9500L	-117.264136668	33.9686063664	25	1491962
2361957E	CONCRETE	1987	SPRINGDALE DR N/S, 235' W/O MOUNTAIN VIEW	10892022	9500L	-117.264596946	33.9687472831	25	1491962
2361958E	CONCRETE	1987	SPRINGDALE DR S/S, 40' W/O STREAMWOOD CR	10892022	9500L	-117.265255119	33.9687923272	25	1491962
2361959E	CONCRETE	1987	STREAMWOOD CR N/S, 185' N/O SPRINGDALE DR	10892022	9500L	-117.264972086	33.9690368261	25	1491962
2361961E	CONCRETE	1987	HIDDEN SPRINGS DR N/S, 370' E/O COUNTRY GAT	10892022	9500L	-117.266203273	33.9686715294	25	1491962
2361962E	CONCRETE	1987	HIDDEN SPRINGS DR N/S, 360' W/O MOUNTAIN V	10892022	9500L	-117.265188319	33.9682821815	25	1491962
2361964E	CONCRETE	1987	HIDDEN SPRINGS DR S/S, 160' W/O MOUNTAIN V	10892022	9500L	-117.264556630	33.9680560989	25	1491962
4005570E	CONCRETE	1987	HIDDEN SPRINGS DR S/S, 525' W/O MOUNTAIN V	10892022	9500L	-117.265730412	33.9683639594	25	1491962
4005571E	CONCRETE	1987	SPRINGDALE DR N/S, 210' W/O STREAMWOOD CR	10892022	9500L	-117.265623593	33.9690107387	25	1491962
4002640E	CONCRETE	1988	RIDGEFIELD TRE/S, 100' N/O BREEZY MEADOW DR	10892025	9500L	-117.254695297	33.9647457543	25	1491962
4002641E	CONCRETE	1988	RIDGEFIELD TR W/S, 210' S/O MILK WEED WY	10892025	9500L	-117.254692504	33.9652011225	25	1491962
4002642E	CONCRETE	1988	MILK WEED WY S/S, 50' E/O RIDGEFIELD TR	10892025	9500L	-117.254436907	33.9657012236	25	1491962
4002643E	CONCRETE	1988	RIDGEFIELD TR. W/S, 180' N/O MILK WEED WY	10892025	9500L	-117.254524314	33.9663202713	25	1491962
4002644E	CONCRETE	1988	RIDGEFIELD TR. E/S, 360' N/O MILK WEED WY	10892025	9500L	-117.254264169	33.9666791883	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4002647E	CONCRETE	1988	STONE CREEK WY S/S, 260' E/O BREEZY MEADOW	10892025	9500L	-117.256139605	33.9667827703	25	1491962
4002648E	CONCRETE	1988	STONE CREEK WY N/S, 30' E/O BREEZY MEADOW	10892025	9500L	-117.256862314	33.9667135233	25	1491962
4002649E	CONCRETE	1988	BREEZY MEADOW DR W/S, 100' S/O STONEY CREEK	10892025	9500L	-117.256905979	33.9663327813	25	1491962
4002650E	CONCRETE	1988	BREEZY MEADOW DR E/S, 230' N/O MOHAVE CT	10892025	9500L	-117.256346849	33.9658566797	25	1491962
4039851E	CONCRETE	1988	MOHAVE CT E/S, 360' N/O BREEZY MEADOW DR	10892025	9500L	-117.255312667	33.9660748310	25	1491962
4039852E	CONCRETE	1988	MOHAVE CT W/S, 150' N/O BREEZY MEADOW DR	10892025	9500L	-117.255668621	33.9657233292	25	1491962
4039853E	CONCRETE	1988	BREEZY MEADOW DR W/S, 30' S/O MOHAVE CT	10892025	9500L	-117.255838002	33.9653178200	25	1491962
4039854E	CONCRETE	1988	BREEZY MEADOW DR W/S, 295' S/O MOHAVE CT	10892025	9500L	-117.255244150	33.9647758228	25	1491962
4039855E	CONCRETE	1988	BREEZY MEADOW DR W/S, 630' S/O MOHAVE CT	10892025	9500L	-117.254608105	33.9640606417	25	1491962
2351242E	CONCRETE	1989	MTN VIEW RD E/S, 145' N/O SPRINGDALE DR	10892025	9500L	-117.263868456	33.9690274271	25	1491962
2351247E	CONCRETE	1989	HIDDEN SPRINGS DR N/S, 265' W/O PIGEON PASS	10892025	9500L	-117.262301643	33.9681390447	25	1491962
2351248E	CONCRETE	1989	HIDDEN SPRINGS DR N/S, 45' E/O MTN VIEW RD	10892025	9500L	-117.263798637	33.9681123122	25	1491962
2351249E	CONCRETE	1989	SPRINGDALE DR N/S, 130' E/O MTN VIEW RD	10892025	9500L	-117.263578698	33.9687121333	25	1491962
2351250E	CONCRETE	1989	SPRINGDALE DR S/S, 330' E/O MTN VIEW RD	10892025	9500L	-117.262939247	33.9686163316	25	1491962
2357928E	CONCRETE	1989	HIDDEN SPRINGS DR S/S, 450' W/O PIGEON PASS	10892025	9500L	-117.263071804	33.9680406698	25	1491962
4002601E	CONCRETE	1989	W/S VIA APOLINA, 10' N/O VIA MONTEGO	10892025	9500L	-117.255210388	33.9691330719	25	1491962
4002645E	CONCRETE	1988	STONE CREEK WY S/S, 30' W/O RIDGEFIELD TERR	10892025	9500L	-117.254846698	33.9671164874	25	1491962
4002646E	CONCRETE	1988	STONE CREEK WY N/S, 200' W/O RIDGEFIELD TERR	10892025	9500L	-117.255617128	33.9670452548	25	1491962
2315198E	CONCRETE	1986	OLD LK DR, N/S, 1410' E/O PIGEON PASS RD	10892025	22000L	-117.257441319	33.9681668520	29	1491960
2335581E	CONCRETE	1986	OLD LK DR, E/S, 1253' S/O SYMD RANCH RD	10892025	22000L	-117.256730961	33.9680917199	29	1491960
2335583E	CONCRETE	1957	OLD LAKE S/S E/O BALE	10892025	22000L	-117.258194582	33.9680576631	30	1491960
2335584E	CONCRETE	1986	OLD LK DR, N/S, 765' E/O PIGEON PASS RD	10892025	22000L	-117.258937364	33.9681467296	29	1491960
2335585E	CONCRETE	1986	OLD LK DR, S/S, 560' E/O PIGEON PASS RD	10892025	22000L	-117.259633797	33.9680563282	29	1491960
2335586E	CONCRETE	1986	OLD LK DR, N/S, 348' E/O PIGEON PASS RD	10892025	22000L	-117.260219917	33.9681389270	29	1491960
2335587E	CONCRETE	1986	OLD LK DR, S/S, 148' E/O PIGEON PASS RD	10892025	22000L	-117.260877896	33.9680452371	29	1491960
2351245E	CONCRETE	1989	PIGEON PASS W/S, 455' N/O HIDDEN SPRINGS	10892025	22000L	-117.261567308	33.9690329853	29	1491960
2335577E	CONCRETE	1986	OLD LK DR, E/S, 470' S/O SYMD RANCH RD	10892025	22000L	-117.254457120	33.9688869338	29	1491960
2335578E	CONCRETE	1986	OLD LK RD, W/S, 670' S/O SYMD RANCH RD	10892025	22000L	-117.255017785	33.9686669460	29	1491960
2335579E	CONCRETE	1986	OLD LK DR, E/S, 870' S/O SYMD RANCH RD	10892025	22000L	-117.255551439	33.9683097755	29	1491960
2335580E	CONCRETE	1986	OLD LK DR, W/S, 1070' S/O SYMD RANCH RD	10892025	22000L	-117.256253782	33.9682284307	29	1491960
4710762E	CONCRETE	2009	PIGEON PASS ROAD W/S, 1560' S/O OLD LAKE DR	10892025	22000L	-117.261562551	33.9638274975	32	1491960
4710763E	CONCRETE	2009	PIGEON PASS ROAD W/S, 1371' S/O OLD LAKE DR	10892025	22000L	-117.261548111	33.9643223952	32	1491960
4710764E	CONCRETE	2009	PIGEON PASS ROAD W/S, 1171' S/O OLD LAKE DR	10892025	22000L	-117.261563481	33.9648860677	32	1491960
4710765E	CONCRETE	2009	PIGEON PASS ROAD W/S, 971' S/O OLD LAKE DR	10892025	22000L	-117.261566925	33.9654222248	32	1491960
4710766E	CONCRETE	2009	PIGEON PASS ROAD W/S, 771' S/O OLD LAKE DR	10892025	22000L	-117.261560206	33.9659955553	32	1491960
4710767E	CONCRETE	2009	PIGEON PASS ROAD W/S, 590' S/O OLD LAKE DR	10892025	22000L	-117.261562265	33.9664808986	32	1491960
4710768E	CONCRETE	2009	PIGEON PASS ROAD W/S, 390' S/O OLD LAKE DR	10892025	22000L	-117.261582723	33.9670259836	32	1491960
4710769E	CONCRETE	2009	PIGEON PASS ROAD W/S, 190' S/O OLD LAKE ROAD	10892025	22000L	-117.261569783	33.9675763193	32	1491960
4761772E	CONCRETE	2010	W/S PIGEON PASS RD., 200' N/O OLD LAKE RD.	10892025	22000L	-117.261566050	33.9686554792	32	1491960
4002639E	CONCRETE	1988	SWEET CLOVER CR E/S, 210' E/O BREEZY MEADOW	10892028	9500L	-117.253941115	33.9642066888	25	1491962
4002822E	CONCRETE	1989	AIROSA PL E/S, 240' N/O MENDOZA RD	10892028	9500L	-117.250542330	33.9655752248	25	1491962
4002823E	CONCRETE	1989	AIROSA PL N/S, 340' N/O TARARA DR	10892028	9500L	-117.251026325	33.9659467928	25	1491962
4002824E	CONCRETE	1989	AIROSA PL N/S, 140' N/O TARARA DR	10892028	9500L	-117.251495008	33.9656965504	25	1491962
4002825E	CONCRETE	1989	TARARA DR E/S, 150' S/O MENDOZA RD	10892028	9500L	-117.252108550	33.9657231849	25	1491962
4002826E	CONCRETE	1989	TARARA DR W/S, COR/O AIROSA PL	10892028	9500L	-117.251969953	33.9653834448	25	1491962
4002827E	CONCRETE	1989	TARARA DR E/S, 240' S/O AIROSA PL	10892028	9500L	-117.251377561	33.9648898961	25	1491962
4002828E	CONCRETE	1989	TARARA DR W/S, 180' N/O MENDOZA RD	10892028	9500L	-117.251214036	33.9645395212	25	1491962
4043105E	CONCRETE	1989	MENDOZA ROAD S/S, COR/O TARARA DR	10892028	9500L	-117.250736212	33.9639920672	25	1491962
4043106E	CONCRETE	1989	MENDOZA ROAD W/S, 5' N/O MALLORCA WAY	10892028	9500L	-117.250100500	33.9646258313	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4043107E	CONCRETE	1989	MENDOZA RD E/S, 10' N/O AIROSA PLACE	10892028	9500L	-117.249836086	33.9650877096	25	1491962
4043108E	CONCRETE	1989	MENDOZA ROAD W/S, 45' S/O TONADA LN	10892028	9500L	-117.249659899	33.9656694046	25	1491962
4043109E	CONCRETE	1989	TONADA LN E/S, 140' N/O MENDOZA ROAD	10892028	9500L	-117.250289606	33.9652269995	25	1491962
4043110E	CONCRETE	1989	TONADA LN E/S, 280' S/O MENDOZA RD	10892028	9500L	-117.250335944	33.9662670940	25	1491962
4043111E	CONCRETE	1989	TONADA LN E/S, 45' S/O MENDOZA RD	10892028	9500L	-117.250839556	33.9668286714	25	1491962
4043112E	CONCRETE	1989	MENDOZA RD N/S, 45' E/O PORTOFINO WAY	10892028	9500L	-117.251499233	33.9665551677	25	1491962
4043113E	CONCRETE	1989	MENDOZA RD S/S, 120' W/O PORTOFINO WAY	10892028	9500L	-117.252019104	33.9662279471	25	1491962
4043114E	CONCRETE	1989	MENDOZA RD N/S, 5' W/O TARARA DR	10892028	9500L	-117.251729110	33.9664711874	25	1491962
4043115E	CONCRETE	1989	VILLAGE RD S/S, 460' W/O PORTOFINO WAY	10892028	9500L	-117.253360345	33.9663468889	25	1491962
4043116E	CONCRETE	1989	VILLAGE RD S/S, 250' W/O PORTOFINO WAY	10892028	9500L	-117.252855807	33.9667365661	25	1491962
4043117E	CONCRETE	1989	VILLAGE RD S/S, 45' W/O PORTOFINO WAY	10892028	9500L	-117.252214237	33.9669868460	25	1491962
4043118E	CONCRETE	1989	VILLAGE RD S/S, 200' N/O PORTOFINO WAY	10892028	9500L	-117.251585037	33.9674500254	25	1491962
4043119E	CONCRETE	1988	VILLAGE E/S, N/O POPPY MEADOW WAY	10892028	9500L	-117.253608080	33.9658745486	25	1491962
4043120E	CONCRETE	1988	VILLAGE E/S, N/O POPPY MEADOW WAY	10892028	9500L	-117.253703483	33.9653875192	25	1491962
4043121E	CONCRETE	1988	VILLAGE E/S, N/O POPPY MEADOW WAY	10892028	9500L	-117.253617163	33.9650168424	25	1491962
4043123E	CONCRETE	1988	VILLAGE N/S, 200' W/O C/L POPPY MEADOW WA	10892028	9500L	-117.253172495	33.9642620455	25	1491962
4043129E	CONCRETE	1988	MENDOZA RD N/S, 220' E/O POPPY MEADOW WA	10892028	9500L	-117.251497299	33.9640449690	25	1491962
4043130E	CONCRETE	1988	MENDOZA RD S/S, 40' E/O POPPY MEADOW WAY	10892028	9500L	-117.252095911	33.9641757967	25	1491962
4043131E	CONCRETE	1988	MENDOZA RD E/S, 180' W/O POPPY MEADOW WA	10892028	9500L	-117.252517209	33.9646804026	25	1491962
4043132E	CONCRETE	1988	MENDOZA RD W/S, N/O POPPY MEADOW WAY	10892028	9500L	-117.252862084	33.9649292303	25	1491962
4043133E	CONCRETE	1988	MENDOZA RD E/S, N/O POPPY MEADOW WAY	10892028	9500L	-117.252867557	33.9653406319	25	1491962
2358310E	CONCRETE	1987	PINE FIELD DR N/S, 5' W/O REDBARK	10892028	9500L	-117.244718559	33.9640943214	25	1491962
2358311E	CONCRETE	1987	PINE FIELD DR S/S, 45' E/O HAZELWOOD	10892028	9500L	-117.245754657	33.9640399831	25	1491962
2358312E	CONCRETE	1987	PINE FIELD DR N/S, 165' W/O HAZELWOOD	10892028	9500L	-117.246159804	33.9641385645	25	1491962
2358313E	CONCRETE	1987	PINE FIELD DR S/S, 385' W/O HAZELWOOD	10892028	9500L	-117.246852343	33.9641649922	25	1491962
2358650E	CONCRETE	1987	CEDAR DR E/S, 40' S/O MILKWOOD DR	10892028	9500L	-117.248873903	33.9640294631	25	1491962
2358686E	CONCRETE	1987	CEDAR DR E/S, 102' N/O MILKWOOD	10892028	9500L	-117.248679136	33.9644215690	25	1491962
2358687E	CONCRETE	1987	PINE FIELD DR N/S, 5' E/O CEDAR DR	10892028	9500L	-117.248362797	33.9648305402	25	1491962
2358688E	CONCRETE	1987	PINE FIELD DR S/S, 180' E/O CEDAR DR	10892028	9500L	-117.247878943	33.9644943613	25	1491962
2358691E	CONCRETE	1987	PINE FIELD DR N/S, 370' E/O CEDAR DR	10892028	9500L	-117.247259649	33.9643548392	25	1491962
4043101E	CONCRETE	1989	VILLAGE RD W/S, 400' N/O MALLORCA WAY	10892028	9500L	-117.248978363	33.9650711035	25	1491962
4043102E	CONCRETE	1989	VILLAGE RD W/S, 190' N/O MALLORCA WAY	10892028	9500L	-117.249290295	33.9642962473	25	1491962
4063723E	CONCRETE	1989	N/S VILLAGE RD., 50' S/O BOUQUET CANYON	10892028	9500L	-117.248257426	33.9658152516	25	1491962
4063724E	CONCRETE	1989	E/S BOUQUET CANYON, 230' N/O VILLAGE RD.	10892028	9500L	-117.248592241	33.9663219061	25	1491962
4063727E	CONCRETE	1989	E/S LONE PINE, 40' N/O BOUQUET CANYON	10892028	9500L	-117.247596257	33.9657685450	25	1491962
4063733E	CONCRETE	1989	W/S WILLOW CREEK, 65' N/O PINE SMOKE	10892028	9500L	-117.246041134	33.9652419294	25	1491962
4063736E	CONCRETE	1991	S/S BOUQUET CANYON WAY, N/O LOT #39	10892028	9500L	-117.246974981	33.9652571359	25	1491962
4063744E	CONCRETE	1989	S/S PINE SMOKE, CL/OF PEPPER RIDGE	10892028	9500L	-117.245222466	33.9650310462	25	1491962
4063746E	CONCRETE	1989	W/S PINE SMOKE, 50' N/O PINE SMOKE	10892028	9500L	-117.244576132	33.9652857588	25	1491962
4002834E	CONCRETE	1988	CEDER CREEK S/S, 200' W/O WATERLEAF CR.	10892028	9500L	-117.250126629	33.9677719135	25	1491962
4039884E	CONCRETE	1988	CEDAR CREEK TR N/S, 30' N/O WATERLEAF CR	10892028	9500L	-117.249606829	33.9682477059	25	1491962
4053518E	CONCRETE	1988	SHORE CREST TERRACE S/S, 150' W/O CREEKWOC	10892028	9500L	-117.247367398	33.9693637232	25	1491962
4063725E	CONCRETE	1989	W/S BOUQUET CANYON, 320' N/O VILLAGE RD.	10892028	9500L	-117.248964617	33.9665096101	25	1491962
4002829E	CONCRETE	1988	WATERLEAF CR. N/S, 510' E/O PEPPERGRASS WY	10892028	9500L	-117.247662468	33.9673571864	25	1491962
4002830E	CONCRETE	1988	WATERLEAF CR. S/S, 230' W/O PEPPERGRASS WY	10892028	9500L	-117.248610574	33.9674731835	25	1491962
4002831E	CONCRETE	1988	WATERLEAF CR. N/S, 88' E/O PEPPERGRASS WY	10892028	9500L	-117.248934301	33.9676891777	25	1491962
4002832E	CONCRETE	1988	WATERLEAF CR. S/S, 45' W/O PEPPERGRASS WY	10892028	9500L	-117.249321660	33.9677894985	25	1491962
4002833E	CONCRETE	1988	PEPPERGRASS WY. S/S, 170' E/O SUNNYMEAD RN	10892028	9500L	-117.249674408	33.9672273411	25	1491962
4039885E	CONCRETE	1988	CEDAR CREEK TR S/S, 170' E/O WATERLEAF CR	10892028	9500L	-117.249107622	33.9682827415	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4039886E	CONCRETE	1988	CEDAR CREEK N/S, 850' E/O CORK SEED WY	10892028	9500L	-117.248283059	33.9681294583	25	1491962
4039887E	CONCRETE	1988	CEDAR CREEK TR S/S, 650' W/O CORK SEED WY	10892028	9500L	-117.247693380	33.9679122315	25	1491962
4039888E	CONCRETE	1988	CEDAR CREEK TR N/S, 440' W/O CORK SEED WY	10892028	9500L	-117.247097853	33.9679961914	25	1491962
4039889E	CONCRETE	1988	CEDAR CREEK TR S/S, 245' W/O CORK SEED WY	10892028	9500L	-117.246330159	33.9680181780	25	1491962
4039890E	CONCRETE	1988	CEDAR CREEK TR N/S, 30' N/O CORK SEED WY	10892028	9500L	-117.245469758	33.9682026074	25	1491962
4039891E	CONCRETE	1988	CEDAR CREEK TR S/S, 245' E/O CORK SEEDWY	10892028	9500L	-117.244683941	33.9686161502	25	1491962
4039892E	CONCRETE	1988	CEDAR CREEK TR N/S, 400' E/O CORK SEED WY	10892028	9500L	-117.244346549	33.9687397565	25	1491962
4039893E	CONCRETE	1988	BLUE RIDGE PL S/S, 505' W/O CORK SEED WY	10892028	9500L	-117.247128814	33.9671990478	25	1491962
4039894E	CONCRETE	1988	BLUE RIDGE PL N/S, 380' W/O CORK SEED WY	10892028	9500L	-117.246684684	33.9673676349	25	1491962
4039895E	CONCRETE	1988	BLUE RIDGE PL S/S, 150' W/O CORK SEED WY	10892028	9500L	-117.245040096	33.9676938473	25	1491962
4039896E	CONCRETE	1988	CORK SEED WY W/S, 30' N/O BLUE RIDGE PL	10892028	9500L	-117.245539050	33.9677374010	25	1491962
4039897E	CONCRETE	1988	BLUE RIDGE PL S/S, 240' E/O CORK SEED WY	10892028	9500L	-117.244532167	33.9678619999	25	1491962
4039927E	CONCRETE	1988	CREEKWOOD DR N/S, 215' W/O DESERT STAR	10892028	9500L	-117.245452778	33.9694168061	25	1491962
4039928E	CONCRETE	1988	CREEKWOOD DR N/S, 80' E/O SHORE CREST TERR	10892028	9500L	-117.246896265	33.9692460981	25	1491962
4039934E	CONCRETE	1988	CREEKWOOD DR S/S, 720' W/O LAKE SUMMIT DR	10892028	9500L	-117.246097076	33.9692053112	25	1491962
4063726E	CONCRETE	1989	N/END BOUQUET CANYON, 520' N/O VILLAGE RD	10892028	9500L	-117.248760645	33.9670247162	25	1491962
4063728E	CONCRETE	1989	S/S TIMBER BLUFF, 210' N/O LONE PINE	10892028	9500L	-117.247992079	33.9665726172	25	1491962
4063729E	CONCRETE	1989	W/S LONE PINE, 40' N/O TIMBER BLUFF	10892028	9500L	-117.247344117	33.9663092698	25	1491962
4063730E	CONCRETE	1989	E/S LONE PINE, 470' N/O BOUQUET CANYON	10892028	9500L	-117.247013710	33.9665046282	25	1491962
4063731E	CONCRETE	1989	N/S LONE PINE, CL/OF WILLOW CREEK	10892028	9500L	-117.246042374	33.9667776390	25	1491962
4063732E	CONCRETE	1989	E/S WILLOW CREEK, 310' S/O LONE PINE	10892028	9500L	-117.245759578	33.9659304571	25	1491962
4063737E	CONCRETE	1989	E/S BOUQUET CANYON WAY, 80' S/O N/END OF S	10892028	9500L	-117.246605187	33.9656463191	25	1491962
4063738E	CONCRETE	1989	N/S LONE PINE, 20' E/O PEPPER RIDGE	10892028	9500L	-117.245034716	33.9670300644	25	1491962
4063739E	CONCRETE	1989	S/S LONE PINE, 210' E/O PEPPER RIDGE	10892028	9500L	-117.244319278	33.9671645194	25	1491962
4063742E	CONCRETE	1989	E/S PEPPER RIDGE, 220' S/O LONE PINE	10892028	9500L	-117.244959884	33.9664062767	25	1491962
4063743E	CONCRETE	1989	W/S PEPPER RIDGE, 275' N/O PINE SMOKE	10892028	9500L	-117.245210226	33.9657845516	25	1491962
4063749E	CONCRETE	1989	E/S PINE SMOKE, 320' N/O PINE SMOKE	10892028	9500L	-117.244275230	33.9659136665	25	1491962
4063750E	CONCRETE	1989	W/S PINE SMOKE, 400' N/O PINE SMOKE	10892028	9500L	-117.244348106	33.9662402015	25	1491962
4269293E	CONCRETE	1995	VILLAGE E/S, N/O POPPY MEADOW WAY	10892028	9500L	-117.253450642	33.9646705156	31	1491962
2335565E	CONCRETE	1986	SUNNYMEAD RANCH RD, S/S, 460' E/O W.VILLAGE	10892028	22000L	-117.249730300	33.9664640573	29	1491960
2335566E	CONCRETE	1986	SUNNYMEAD RANCH RD, N/S, 280' E/O W.VILLAGE	10892028	22000L	-117.250440044	33.9670809601	29	1491960
2335557E	CONCRETE	1986	SUNNYMEAD RANCH RD, S/S, 500' W/O HEACOCK	10892028	22000L	-117.245583120	33.9645877829	29	1491960
2335559E	CONCRETE	1986	SUNNYMEAD RANCH RD, S/S, 903' W/O HEACOCK	10892028	22000L	-117.246862636	33.9647325867	29	1491960
2335560E	CONCRETE	1986	SUNNYMEAD RANCH RD, N/S, 350' E/O VILLAGE	10892028	22000L	-117.247416347	33.9649953934	29	1491960
2335561E	CONCRETE	1986	SUNNYMEAD RANCH RD, S/S, 160' E/O VILLAGE R	10892028	22000L	-117.248106535	33.9652521615	29	1491960
2335563E	CONCRETE	1986	SUNNYMEAD RANCH RD, S/S, 270' W/O LAKE VIST	10892028	22000L	-117.249139671	33.9659167328	29	1491960
4063734E	CONCRETE	1989	N/S SUNNYMEAD RANCH PARKWAY, 50' W/O WIL	10892028	22000L	-117.246129847	33.9645932851	29	1491960
4063745E	CONCRETE	1989	N/S SUNNYMEAD RANCH PKWY, 350' W/O HEAC	10892028	22000L	-117.245079534	33.9646512144	29	1491960
2335568E	CONCRETE	1986	SUNNYMEAD RANCH RD, N/S, 130' W/O W.VILLAGE	10892028	22000L	-117.251398793	33.9680938722	29	1491960
2335569E	CONCRETE	1986	SUNNYMEAD RANCH RD, S/S, 335' W/O W.VILLAGE	10892028	22000L	-117.251993292	33.9684353940	29	1491960
2335570E	CONCRETE	1986	SUNNYMEAD RANCH RD, N/S, 374' E/O OLD LAKE	10892028	22000L	-117.252431586	33.9689918975	29	1491960
2335571E	CONCRETE	1986	SUNNYMEAD RANCH RD, S/S, 270' E/O OLD LK RD	10892028	22000L	-117.252823334	33.9691822129	29	1491960
4299117E	CONCRETE	1996	VILLAGE N/S 50' W/O C/L POPPY MEADOW WAY	10892028	9500L	-117.252876940	33.9639415059	23	1491962
4465530E	CONCRETE	2000	SUNNYMEAD RANCH RD, N/S, 670' E/O W.VILLAGE	10892028	22000L	-117.246516541	33.9647611880	31	1491960
2302222E	CONCRETE	1984	NO COUNTRY BL S/S 275 W/O OLD COUNTRY	10892031	9500L	-117.242570442	33.9645767565	29	1491962
2302233E	CONCRETE	1984	IRONBARK RD N/S 245 W/O OLD COUNTRY RD	10892031	9500L	-117.242322843	33.9641387733	25	1491962
2302234E	CONCRETE	1984	COR/O FENTON & IRONBARK	10892031	9500L	-117.243306835	33.9641351451	25	1491962
2309109E	CONCRETE	1985	OLD CNTRY, W/S, 390' N/O SLY FOX RD	10892031	9500L	-117.236954128	33.9644744353	25	1491962
2309110E	CONCRETE	1985	OLD CNTRY, W/S, 470' S/O NO. CNTRY RD	10892031	9500L	-117.237256032	33.9655809603	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2309111E	CONCRETE	1985	BARLEY RD, E/S, 380' N/O SLY FOX RD	10892031	9500L	-117.237907654	33.9651119430	25	1491962
2309112E	CONCRETE	1985	BARLEY RD, E/S, 170' N/O SLY FOX	10892031	9500L	-117.237774302	33.9643883445	25	1491962
2309121E	CONCRETE	1985	HARVEST RD, S/S, COR/O FOXLOVE LN	10892031	9500L	-117.239934137	33.9641861842	25	1491962
2309122E	CONCRETE	1985	HARVEST RD, N/S, 240' E/O FOXLOVE	10892031	9500L	-117.239523487	33.9644703610	25	1491962
2309123E	CONCRETE	1985	HARVEST RD, CUL-DE-SAC, E/O FOXLOVE	10892031	9500L	-117.239088646	33.9645670727	25	1491962
2309355E	CONCRETE	1985	OLD COUNTRY RD, E/S, COR/O WILLOW RD	10892031	9500L	-117.236950663	33.9646379068	25	1491962
2315315E	CONCRETE	1985	NO. CNTRY, N/S, 200' E/O ALYSSUM LN	10892031	9500L	-117.239011163	33.9652852656	29	1491962
2315317E	CONCRETE	1985	RIMVIEW RD, N/S, CUL-DE-SAC W/O ALYSSUM LN	10892031	9500L	-117.241145369	33.9651745704	25	1491962
2315318E	CONCRETE	1985	RIMVIEW RD, S/S, 160' W/O ALYSSUM LN	10892031	9500L	-117.240624072	33.9653742950	25	1491962
2315319E	CONCRETE	1985	RIMVIEW RD, S/S, 50' E/O ALYSSUM LN	10892031	9500L	-117.240201822	33.9657265637	25	1491962
2315321E	CONCRETE	1985	DAISY FIELD LN, CUL-DE-SAC S/O RIMVIEW RD	10892031	9500L	-117.239216196	33.9658086925	25	1491962
2351952E	CONCRETE	1986	CYN VISTA, W/S, 105' N/O SYMD RNCH PKWY	10892031	9500L	-117.241846686	33.9649183828	25	1491962
2351953E	CONCRETE	1986	CYN VISTA, E/S, 145' S/O PARK RIM CIR	10892031	9500L	-117.242075352	33.9656773414	25	1491962
2351954E	CONCRETE	1986	CYN VISTA, E/S, COR/O PARK RIM CIR	10892031	9500L	-117.242326794	33.9659432112	25	1491962
2351955E	CONCRETE	1986	PARK RIM CIR, N/S, 220' W/O CYN VISTA	10892031	9500L	-117.242959723	33.9658120740	25	1491962
2351956E	CONCRETE	1986	PARK RIM CIR, W/S, 360' W/O CYN VISTA	10892031	9500L	-117.243295161	33.9655932895	25	1491962
2351957E	CONCRETE	1986	CYN VISTA, E/S, COR/O STONECREEK CIR	10892031	9500L	-117.242394513	33.9665235978	25	1491962
2351958E	CONCRETE	1986	STONECREEK CIR, N/S, 145' W/O CYN VISTA	10892031	9500L	-117.242883944	33.9666941128	25	1491962
2309367E	CONCRETE	1985	TEA BARK DR, E/S, COR/O WILLOW RD	10892031	9500L	-117.236084222	33.9645271951	25	1491962
2309368E	CONCRETE	1985	WILLOW RD, N/S, 185' E/O TEA BARK DR	10892031	9500L	-117.236488910	33.9646486489	25	1491962
2344863E	CONCRETE	1986	AMENONE CIR, E/S, 180' N/O JASMINE CT	10892031	9500L	-117.234604751	33.9642775301	25	1491962
2344864E	CONCRETE	1986	AMENONE CIR, 410' N/O JASMINE CT	10892031	9500L	-117.234690389	33.9647945939	25	1491962
2358284E	CONCRETE	1987	HYACINTH LN W/S, 105' N/O WIND FLOWER	10892031	9500L	-117.234719652	33.9659285701	25	1491962
2358285E	CONCRETE	1987	WIND FLOWER N/S, 55' E/O HYACINTH LN	10892031	9500L	-117.234495513	33.9656431327	25	1491962
2309124E	CONCRETE	1985	OLD CNTRY RD, S/E COR/O NO. CNTRY RD	10892031	9500L	-117.237527870	33.9661790736	29	1491962
2315308E	CONCRETE	1985	PEPPERMILL DR, S/S, 215' E/O GOLDEN FLAX LN	10892031	9500L	-117.236815832	33.9673796843	25	1491962
2315309E	CONCRETE	1985	GOLDEN FLAX LN, N/E COR/O PEPPERMILL DR	10892031	9500L	-117.237515694	33.9671327955	25	1491962
2315310E	CONCRETE	1985	RIMVIEW RD, N/S, COR/O GOLDEN FLAX LN	10892031	9500L	-117.238152107	33.9674690367	25	1491962
2315311E	CONCRETE	1985	RIMVIEW RD, S/S, 220' E/O GOLDEN FLAX LN	10892031	9500L	-117.237504550	33.9678611099	25	1491962
2315312E	CONCRETE	1985	RIMVIEW RD, N/S, 440' E/O GOLDEN FLAX LN	10892031	9500L	-117.237060989	33.9681949808	25	1491962
2315313E	CONCRETE	1985	RIMVIEW RD, CUL-DE-SAC E/O GOLDEN FLAX LN	10892031	9500L	-117.236683245	33.9683398779	25	1491962
2315323E	CONCRETE	1985	ASTER LEAF LN, CUL-DE-SAC, S/O RIMVIEW RD	10892031	9500L	-117.238350392	33.9664956948	25	1491962
2351959E	CONCRETE	1986	CYN VISTA, S/W COR/O CYN WOODS CIR	10892031	9500L	-117.242065677	33.9670997304	25	1491962
2351960E	CONCRETE	1986	CYN WOODS CIR, S/S, 165' W/O CYN VISTA	10892031	9500L	-117.242520686	33.9673524437	25	1491962
2351961E	CONCRETE	1986	CYN VISTA, W/S, 115' N/O CYN WOODS CIR	10892031	9500L	-117.241766006	33.9675330125	25	1491962
2351962E	CONCRETE	1986	CYN VISTA, E/S, COR/O VALLEY GLEN CIR	10892031	9500L	-117.241493293	33.9678462182	25	1491962
2351963E	CONCRETE	1986	VALLEY GLEN CIR, N/S, 180' S/O CYN VISTA	10892031	9500L	-117.242031001	33.9681172342	25	1491962
2358652E	CONCRETE	1988	CANYON VISTA N/S, 40' W/O COUNTRY CYN	10892031	9500L	-117.241248761	33.9683116348	25	1491962
2358653E	CONCRETE	1988	COUNTRY CYN RD W/S, 160' N/O CANYON VISTA	10892031	9500L	-117.241423545	33.9686771515	25	1491962
2358654E	CONCRETE	1988	CANYON VISTA N/S, 95' W/O SHADY RIDGE	10892031	9500L	-117.240536699	33.9687441380	25	1491962
2358655E	CONCRETE	1988	SHADY RIDGE E/S, 130' N/O CANYON VISTA	10892031	9500L	-117.240415804	33.9691091649	25	1491962
2358656E	CONCRETE	1988	CANYON VISTA S/S, 30' N/O SHADY RIDGE	10892031	9500L	-117.240182979	33.9688192711	25	1491962
2358658E	CONCRETE	1988	CANYON VISTA N/S, 40' S/O SUMMIT RIDGE	10892031	9500L	-117.239614985	33.9693392373	25	1491962
4039625E	CONCRETE	1988	LAKE SUMMIT DR W/S, 30' N/O BLUE RIDGE PL	10892031	9500L	-117.243328915	33.9688296272	25	1491962
4039898E	CONCRETE	1988	BLUE RIDGE PL N/S, 390' E/O CORK SEED WY	10892031	9500L	-117.244113416	33.9681190532	25	1491962
4039899E	CONCRETE	1988	BLU RIDGE PL N/S, 200' W/O LAKE SUMMIT DR	10892031	9500L	-117.243843300	33.9683232689	25	1491962
4039900E	CONCRETE	1988	BLUE RIDGE PL S/S, 140' W/O LAKE SUMMIT DR	10892031	9500L	-117.243450051	33.9685238060	25	1491962
4063740E	CONCRETE	1989	N/S LONE PINE, 400' E/O PEPPER RIDGE	10892031	9500L	-117.244111583	33.9675957088	25	1491962
2315303E	CONCRETE	1985	HYACINTH LN, W/S, 50' S/O PEPPERMILL DR	10892031	9500L	-117.234988601	33.9679404399	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2315304E	CONCRETE	1985	PEPPERMILL DR, S/S, COR/O SAGECREST DR	10892031	9500L	-117.235580253	33.9678735395	25	1491962
2315305E	CONCRETE	1985	PEPPERMILL DR, N/S, 127' W/O SAGECREST DR	10892031	9500L	-117.236052224	33.9677762278	25	1491962
2315306E	CONCRETE	1985	SAGECREST DR, W/S, 260' N/O PEPPERMILL DR	10892031	9500L	-117.235797719	33.9683897333	25	1491962
2315307E	CONCRETE	1985	SAGECREST DR, E/S, 335' N/O PEPPERMILL DR	10892031	9500L	-117.235688024	33.9688852850	25	1491962
2358279E	CONCRETE	1987	MEADOW GRASS WY N/S, 115' E/O HYACINTH	10892031	9500L	-117.234361827	33.9671061186	25	1491962
2358280E	CONCRETE	1987	HYACINTH LN W/S, 15' N/O MEADOW GRASS WY	10892031	9500L	-117.234710227	33.9670996856	25	1491962
2358281E	CONCRETE	1987	HYACINTH LN E/S, 45' N/O CANDLEBUSH	10892031	9500L	-117.234606954	33.9664821052	25	1491962
4002658E	CONCRETE	1987	WATERCRESS CR E/S, 180' N/O PEPPERMILL DR	10892031	9500L	-117.234631038	33.9688194817	25	1491962
4002659E	CONCRETE	1987	WATERCRESS CR W/S, 420' N/O PEPPERMILL DR	10892031	9500L	-117.234811691	33.9692913932	25	1491962
4003212E	CONCRETE	1987	PEPPERMILL DR N/S, 35' W/O WATERCRESS CR	10892031	9500L	-117.234551715	33.9682713031	25	1491962
2309101E	CONCRETE	1985	NO. CNTRY, S/S, 360' W/O OLD CNTRY RD	10892031	22000L	-117.238550797	33.9655527641	29	1491960
2309102E	CONCRETE	1985	NO. CNTRY, S/S, 440' W/O OLD CNTRY RD	10892031	22000L	-117.240313757	33.9647360790	29	1491960
2315316E	CONCRETE	1985	NO. CNTRY, N/S, 285' W/O ALYSSUM LN	10892031	22000L	-117.240569330	33.9647897138	29	1491960
2351951E	CONCRETE	1986	SYMD RNCH PKWY, N/S, 75' W/O CYN VISTA	10892031	22000L	-117.242117544	33.9646615212	29	1491960
2315301E	CONCRETE	1985	NO. CNTRY BLVD, N/S, 740' W/O HYACINTH LN	10892031	22000L	-117.236991368	33.9667176395	29	1491960
2315314E	CONCRETE	1985	NO. CNTRY BLVD, N/S, 610' E/O ALYSSUM LN	10892031	22000L	-117.237989421	33.9659814363	29	1491960
2315324E	CONCRETE	1985	RIMVIEW RD, S/E COR/O ASTER LEAF LN	10892031	22000L	-117.238574829	33.9668547546	25	1491960
2351968E	CONCRETE	1986	HEACOCK ST, E/S, 810' N/O SYMD RNCH PKWY	10892031	22000L	-117.243374902	33.9668700247	29	1491960
2358651E	CONCRETE	1988	HEACOCK ST S/S, 60' W/O COUNTRY CYN	10892031	22000L	-117.241773446	33.9689044241	29	1491960
2361936E	CONCRETE	1988	HEACOCK ST S/S, 5' N/O SHADY RIDGE CIR	10892031	22000L	-117.240929187	33.9695032223	29	1491960
4039626E	CONCRETE	1988	LAKE SUMMIT DR N/S, 50' N/O HEACOCK ST	10892031	22000L	-117.242461250	33.9683872263	29	1491960
4063741E	CONCRETE	1989	W/S HEACOCK, 1030' N/O SUNNYMEAD RANCH P	10892031	22000L	-117.243169388	33.9673832352	29	1491960
2358276E	CONCRETE	1987	NORTH CNTRY BL S/S, 55' E/O HYACINTH LN	10892031	22000L	-117.234567429	33.9675729792	29	1491960
4064191E	CONCRETE	1991	W/S HEACOCK, 600' N/O SUNNYMEAD RANCH PA	10892031	22000L	-117.243727925	33.9662395912	29	1491960
4465516E	CONCRETE	2000	NO. CNTRY, S/E COR & OLD CNTRY RD	10892031	22000L	-117.241686144	33.9645740327	31	1491960
4318123E	CONCRETE	2001	HEACOCK ST, E/S, 1280' N/O SYMD RNCH PKWY	10892031	9500L	-117.242605150	33.9679317921	26	1491960
2315322E	CONCRETE	1985	RIMVIEW RD, N/S, 165' E/O DAISY FIELD LN	10892031	9500L	-117.239220748	33.9665630358	25	1491962
4710839E	CONCRETE	2009	W/S HEACOCK, 230' N/O SUNNYMEAD RANCH PK	10892031	22000L	-117.243938083	33.9653314319	29	1491960
2361935E	CONCRETE	1988	HEACOCK ST S/S, 135' N/O COUNTRY CYN	10892031	22000L	-117.241386603	33.9691887409	29	1491960
2315320E	CONCRETE	1985	RIMVIEW RD, S/W COR/O DAISY FIELD LN	10892031	9500L	-117.239661248	33.9661767565	25	1491962
2358259E	CONCRETE	1987	HILL GRASS E/S, 30' N/O WILD CALLA	10892034	9500L	-117.231224170	33.9643336654	25	1491962
2358261E	CONCRETE	1987	HILL GRASS W/S, 45' S/O WISTERIA	10892034	9500L	-117.231559221	33.9647507143	25	1491962
2358262E	CONCRETE	1987	WISTERIA LN N/S, 250' S/O HILL GRASS	10892034	9500L	-117.232287683	33.9645320278	25	1491962
2358266E	CONCRETE	1987	HILL GRASS E/S, 115' N/O WISTERIA LN	10892034	9500L	-117.231680528	33.9652123394	25	1491962
2358268E	CONCRETE	1987	HILL GRASS W/S, 190' S/O WIND FLOWER	10892034	9500L	-117.232202897	33.9657474454	25	1491962
2358286E	CONCRETE	1987	WIND FLOWER N/S, 20' W/O ROCK ROSE	10892034	9500L	-117.233727150	33.9656782606	25	1491962
2358287E	CONCRETE	1987	WIND FLOWER S/S, 295' W/O HILL GRASS	10892034	9500L	-117.233341071	33.9657376620	25	1491962
2358289E	CONCRETE	1987	ROCK ROSE E/S, 175' S/O WIND FLOWER	10892034	9500L	-117.233717806	33.9651982205	25	1491962
2358290E	CONCRETE	1987	ROCK ROSE W/S, 115' N/O JASMINE CT	10892034	9500L	-117.233707338	33.9647151999	25	1491962
2358291E	CONCRETE	1987	JASMINE CT S/S, 10' N/O ROCK ROSE	10892034	9500L	-117.233356153	33.9644310597	25	1491962
2358293E	CONCRETE	1987	JASMINE CT S/S, 220' N/O ROCK ROSE	10892034	9500L	-117.232892704	33.9648322233	25	1491962
4016578E	CONCRETE	1988	MANZANITA AVE N/S, 30' W/O MORNING RIDGE	10892034	9500L	-117.229579228	33.9643398691	25	1491962
4016579E	CONCRETE	1988	MANZANITA AVE S/S, 130' E/O MORNING RIDGE	10892034	9500L	-117.228989251	33.9644816206	25	1491962
4016580E	CONCRETE	1988	MANZANITA AVE S/S, 350' W/O CLOUD HAVEN	10892034	9500L	-117.228143802	33.9646302591	25	1491962
4016590E	CONCRETE	1988	MORNING RIDGE DR W/S, 330' N/O MANZANITA	10892034	9500L	-117.230100855	33.9651800947	25	1491962
4016591E	CONCRETE	1988	MORNING RIDGE DR, 120' N/O MANZANITA AVE	10892034	9500L	-117.229615105	33.9646324364	25	1491962
4016593E	CONCRETE	1988	EVENING SHADOW CT N/S, 140' E/O MORNING RI	10892034	9500L	-117.229641124	33.9652701947	25	1491962
4016594E	CONCRETE	1988	MORNING RIDGE DR W/S, 210' N/O EVENING SHA	10892034	9500L	-117.230392755	33.9656566328	25	1491962
4016595E	CONCRETE	1988	EVENING SHADOW CT E/S, 300' E/O MORNING RI	10892034	9500L	-117.229243360	33.9654420607	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2358270E	CONCRETE	1987	HILL GRASS E/S, COR/O WIND FLOWER	10892034	9500L	-117.232362558	33.9662355976	25	1491962
2358271E	CONCRETE	1987	HILL GRASS W/S, 215' N/O WIND FLOWER	10892034	9500L	-117.232814277	33.9667333475	25	1491962
2358272E	CONCRETE	1987	HILL GRASS E/S, 180' S/O MEADOW GRASS	10892034	9500L	-117.232878853	33.9671154987	25	1491962
2358277E	CONCRETE	1987	MEADOW GRASS N/S, 20' E/O HILL GRASS	10892034	9500L	-117.233193329	33.9675059121	25	1491962
2358282E	CONCRETE	1987	CANDLEBUSH CT N/S, 370' E/O HYACINTH LN	10892034	9500L	-117.233789647	33.9665819496	25	1491962
2358283E	CONCRETE	1987	CANDLEBUSH CT S/S, 175' E/O HYACINTH LN	10892034	9500L	-117.234144001	33.9663511166	25	1491962
2358288E	CONCRETE	1987	WIND FLOWER S/S, 130' W/O HILL GRASS	10892034	9500L	-117.232878742	33.9659463117	25	1491962
2361926E	CONCRETE	1987	MEADOW GRASS WY S/S, 190' W/O HILL GRASS	10892034	9500L	-117.233580458	33.9672770647	25	1491962
4002660E	CONCRETE	1987	PEPPERMILL DR S/S, 120' E/O WATERCRESS CR	10892034	9500L	-117.233969675	33.9683629105	25	1491962
4002661E	CONCRETE	1987	PEPPERMILL DR S/S, 25' E/O SALTBRUSH CR	10892034	9500L	-117.233581851	33.9684725365	25	1491962
4002662E	CONCRETE	1987	SALTBRUSH CR W/S, 175' N/O PEPPERMILL DR	10892034	9500L	-117.233761820	33.9689507518	25	1491962
4002663E	CONCRETE	1987	SALTBRUSH CR E/S, 390' N/O PEPPERMILL DR	10892034	9500L	-117.233867993	33.9696144273	25	1491962
4016599E	CONCRETE	1988	SUMMER BREEZE N/S, 135' E/O MORNING RIDGE	10892034	9500L	-117.230002733	33.9660090088	25	1491962
4039876E	CONCRETE	1988	SUMMER BREEZE DR W/S, 155' N/O FAIR DAWN LN	10892034	9500L	-117.229112630	33.9679074409	25	1491962
4039901E	CONCRETE	1988	SUMMER BREEZE N/S, 320' E/O MORNING RIDGE	10892034	9500L	-117.229380755	33.9662387869	25	1491962
4039902E	CONCRETE	1988	SUMMER BREEZE E/S, 490' E/O MORNING RIDGE	10892034	9500L	-117.229047623	33.9665597605	25	1491962
4039904E	CONCRETE	1988	MORNING RIDGE E/S, 330' N/O SUMMER BREEZE	10892034	9500L	-117.230760766	33.9664692132	25	1491962
4039905E	CONCRETE	1988	MORNING RIDGE E/S, 160' N/O SUMMER BREEZE	10892034	9500L	-117.230534154	33.9661369648	25	1491962
4039906E	CONCRETE	1988	MORNING RIDGE W/S, 135' N/O EARLY MORN LN	10892034	9500L	-117.231204486	33.9669743313	25	1491962
4039907E	CONCRETE	1988	EARLY MORN LN E/S, 310' E/O MORNING RIDGE	10892034	9500L	-117.230422953	33.9669645022	25	1491962
4442117E	CONCRETE	2001	EARLY MORN LN N/S, 155' E/O MORNING RIDGE	10892034	9500L	-117.230686036	33.9669032321	26	1491962
4039909E	CONCRETE	1988	MORNING RIDGE W/S, 345' N/O EARLY MORN LN	10892034	9500L	-117.231461933	33.9674391282	25	1491962
4039910E	CONCRETE	1988	MORNING RIDGE E/S, 145' S/O COVEY RD	10892034	9500L	-117.231743653	33.9681543566	25	1491962
4039911E	CONCRETE	1988	FAIR DAWN LN S/S, 160' E/O MORNING RIDGE	10892034	9500L	-117.231006004	33.9677743365	25	1491962
4039912E	CONCRETE	1988	COVEY RD S/S, 175' E/O MORNING RIDGE	10892034	9500L	-117.231482153	33.9685183960	25	1491962
4039914E	CONCRETE	1988	FAIR DAWN LN N/S, 375' W/O SUMMER BREEZE DR	10892034	9500L	-117.230173665	33.9678647468	25	1491962
4039915E	CONCRETE	1988	FAIR DAWN LN N/S, 145' W/O SUMMER BREEZE DR	10892034	9500L	-117.229575058	33.9676860002	25	1491962
4039916E	CONCRETE	1988	COVEY RD S/S, 395' W/O SUMMER BREEZE DR	10892034	9500L	-117.230064283	33.9685730863	25	1491962
4039917E	CONCRETE	1988	COVEY RD S/S, 145' W/O SUMMER BREEZE DR	10892034	9500L	-117.229510652	33.9684546209	25	1491962
4039918E	CONCRETE	1988	SUMMER BREEZE DR W/S, 250' S/O FAIR DAWN LN	10892034	9500L	-117.229160765	33.9671597139	25	1491962
4039919E	CONCRETE	1988	COVEY RD S/S, 55' E/O SUMMER BREEZE DR	10892034	9500L	-117.228854629	33.9683847059	25	1491962
4064001E	CONCRETE	1989	W/S MORNING DEW, 130' S/O MORNING MIST	10892034	9500L	-117.230141478	33.9691005953	25	1491962
4064002E	CONCRETE	1989	S/S MORNING MIST, 50' E/O MORNING DEW	10892034	9500L	-117.229812910	33.9693068518	25	1491962
4064003E	CONCRETE	1989	S/S MORNING MIST, 290' E/O MORNING DEW	10892034	9500L	-117.229085066	33.9692225531	25	1491962
4064004E	CONCRETE	1989	N/S MORNING MIST, 110' W/O MORNING DEW	10892034	9500L	-117.230419257	33.9694493968	25	1491962
4064005E	CONCRETE	1989	W/S STARSHINE, 150' N/O MORNING MIST	10892034	9500L	-117.229053839	33.9696412678	25	1491962
4064016E	CONCRETE	1989	N/S COVEY, 340' E/O MORNING RIDGE	10892034	9500L	-117.230943952	33.9686877312	25	1491962
4064017E	CONCRETE	1989	N/S COVEY, 45' W/O MORNING RIDGE	10892034	9500L	-117.232150624	33.9684336459	25	1491962
4064021E	CONCRETE	1989	E/S MORNING RIDGE, 160' N/O COVEY	10892034	9500L	-117.232050063	33.9688371328	25	1491962
4064022E	CONCRETE	1989	S/S MORNING MIST, 140' E/O MORNING RIDGE	10892034	9500L	-117.231762767	33.9692593873	25	1491962
4064023E	CONCRETE	1989	W/S MORNING RIDGE, 20' N/O MORNING MIST	10892034	9500L	-117.232329215	33.9692237509	25	1491962
4064030E	CONCRETE	1989	N/S MORNING MIST, 360' E/O MORNING RIDGE	10892034	9500L	-117.231277690	33.9694501999	25	1491962
2361931E	CONCRETE	1987	PERRIS BLVD W/S, 644' N/O MANZANITA	10892034	22000L	-117.231208657	33.9655528205	29	1491960
2361932E	CONCRETE	1987	PERRIS BLVD W/S, 444' N/O MANZANITA	10892034	22000L	-117.230950500	33.9650856098	29	1491960
2361933E	CONCRETE	1987	PERRIS BL W/S, 249' N/O MANZANITA	10892034	22000L	-117.230636676	33.9645434521	29	1491960
4016600E	CONCRETE	1988	PERRIS BLVD E/S, 420' N/O MANZANITA AVE	10892034	22000L	-117.230799500	33.9650737255	29	1491960
2358269E	CONCRETE	1987	PERRIS BLVD W/S, 524' S/O N CNTRY BL	10892034	22000L	-117.232027610	33.9667893421	29	1491960
2358273E	CONCRETE	1987	PERRIS BLVD W/S, 165' S/O N CNTRY BL	10892034	22000L	-117.232535283	33.9676741834	29	1491960
2358274E	CONCRETE	1987	PERRIS BLVD W/S, 90' S/O N CNTRY BLVD	10892034	22000L	-117.232664614	33.9679610473	29	1491960



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2358275E	CONCRETE	1987	NORTH CNTRY BL S/S, 471' E/O HYACINTH LN	10892034	22000L	-117.233307815	33.9679464913	29	1491960
2361929E	CONCRETE	1987	PERRIS BLVD W/S, 480' S/O N CNTRY BL	10892034	22000L	-117.232136352	33.9669864900	29	1491960
2361930E	CONCRETE	1987	PERRIS BL W/S, 724' S/O N CNTRY BL	10892034	22000L	-117.231791317	33.9663724708	29	1491960
2361934E	CONCRETE	1987	NORTH CNTRY BL S/S, 261' E/O HYACINTH LN	10892034	22000L	-117.233916888	33.9677532679	29	1491960
4003209E	CONCRETE	1987	SUNNYMEAD RANCH PKWY N/S, 420' W/O PERRIS	10892034	22000L	-117.233964795	33.9678458591	29	1491960
4003210E	CONCRETE	1987	PERRIS BL W/S, 295' N/O SUNNYMEAD RNCH PKV	10892034	22000L	-117.232996593	33.9687936657	29	1491960
4039903E	CONCRETE	1988	PERRIS BLVD E/S, 875' S/O COVEY RD	10892034	22000L	-117.231430415	33.9660800131	29	1491960
4039913E	CONCRETE	1988	PERRIS BLVD E/S, 460' S/O COVEY RD	10892034	22000L	-117.232049981	33.9670781498	29	1491960
4064019E	CONCRETE	1989	E/S PERRIS BLVD., 450' N/O COVEY	10892034	22000L	-117.233037655	33.9693634139	29	1491960
4016581E	CONCRETE	1988	MANZANITA AVE E/S, 20' N/O CLOUD HAVEN	10892034	9500L	-117.226988892	33.9647733832	25	1491962
2361995E	CONCRETE	1987	S/S COBBLE CREEK, 560' W/O BROOKMEAD	10912022	9500L	-117.270004934	33.9693185554	25	1491962
2361996E	CONCRETE	1987	S/S COBBLE CREEK, 200' W/O BROOKMEAD	10912022	9500L	-117.268817788	33.9693547042	25	1491962
2361997E	CONCRETE	1987	W/S BROOKMEAD, 50' N/O COBBLE CREEK	10912022	9500L	-117.268318195	33.9697072260	25	1491962
2361998E	CONCRETE	1987	E/S BROOKMEAD, 250' N/O COBBLE CREEK	10912022	9500L	-117.268592090	33.9701188684	25	1491962
2361999E	CONCRETE	1987	E/S BROOKMEAD, 150' N/O COUNTRY GATE	10912022	9500L	-117.267912490	33.9694285804	25	1491962
4004649E	CONCRETE	1987	HIDDEN SPRINGS DR N/S, 45' E/O COUNTRY GATE	10912022	9500L	-117.267205691	33.9695257825	25	1491962
4005589E	CONCRETE	1987	N/S COBBLE CREEK, 340' W/O BROOKMEAD	10912022	9500L	-117.269246136	33.9694214967	25	1491962
4062812E	CONCRETE	1989	HIDDEN SPRINGS E/S, 309' N/O COUNTRY GATE	10912022	9500L	-117.267711481	33.9701147639	25	1491962
4062813E	CONCRETE	1989	HIDDEN SPRINGS W/S, 462' N/O COUNTRY GATE	10912022	9500L	-117.268254446	33.9703498229	25	1491962
4066188E	CONCRETE	1988	RIVER RUN CR E/S, 140' N/O COBBLE CREEK DR	10912022	9500L	-117.269596783	33.9697290237	25	1491962
4066189E	CONCRETE	1988	RIVER RUN CR W/S, 325' N/O COBBLE CREEK DR	10912022	9500L	-117.270036948	33.9699127346	25	1491962
4066190E	CONCRETE	1988	COBBLE CREEK DR N/S, 220' E/O MEADOW CREEK	10912022	9500L	-117.270475705	33.9693982696	25	1491962
4066191E	CONCRETE	1988	COBBLE CREEK DR S/S, 40' S/O MEADOW CREEK	10912022	9500L	-117.270986255	33.9693042497	25	1491962
4066192E	CONCRETE	1988	MEADOW CREEK DR E/S, 190' N/O COBBLE CREEK	10912022	9500L	-117.271079559	33.9698313456	25	1491962
4066193E	CONCRETE	1988	MEADOW CREEK DR W/S, 330' W/O BROOKMEAD	10912022	9500L	-117.270861855	33.9705935583	25	1491962
4066195E	CONCRETE	1988	BROOKMEAD DR W/S, 355' S/O MEADOW CREEK	10912022	9500L	-117.269125072	33.9703264085	25	1491962
4112686E	CONCRETE	1990	E/S MOUNTAIN VIEW, 215' N/O VALLEY CREST	10912022	9500L	-117.271989582	33.9694033236	25	1491962
4112687E	CONCRETE	1990	W/S MOUNTAIN VIEW, 415' N/O VALLEY CREST	10912022	9500L	-117.272143437	33.9698621986	25	1491962
4112712E	CONCRETE	1989	E/S SPRINGDALE, 170' S/O COUNTRY GROVE	10912022	9500L	-117.267358622	33.9704793975	25	1491962
4112713E	CONCRETE	1989	W/S SPRINGDALE, 180' N/O COUNTRY GATE	10912022	9500L	-117.267171402	33.9700849015	25	1491962
2361960E	CONCRETE	1987	SPRINGDALE DR S/S, 170' E/O COUNTRY GATE	10912022	9500L	-117.266328472	33.9693104391	25	1491962
4005572E	CONCRETE	1987	COUNTRY GATE W/S, 45' N/O SPRINGDALE	10912022	9500L	-117.266640690	33.9697869175	25	1491962
4005590E	CONCRETE	1987	MOUNTAIN VIEW W/S, 115' N/O CREST BROOK D	10912022	9500L	-117.264536986	33.9697695561	25	1491962
4112704E	CONCRETE	1989	E/S TRIBUTARY, 260' S/O MOUNTAIN VIEW	10912022	9500L	-117.266495133	33.9707529174	25	1491962
4112705E	CONCRETE	1989	W/S TRIBUTARY, 50' N/O COUNTRY GATE	10912022	9500L	-117.266244897	33.9703346732	25	1491962
4309618E	CONCRETE	1996	7792 ETIWANDA	10912022	9500L	-117.264646702	33.9701906813	25	1491962
4309619E	CONCRETE	1988	MOUNTAIN VIEW W/S, 140' S/O COUNTRY GATE	10912022	9500L	-117.264996035	33.9705158392	25	1491962
4309622E	CONCRETE	1988	CROSSING GREEN CIR N/S, 185' W/O MOUNTAIN	10912022	9500L	-117.265145904	33.9701250406	25	1491962
4309623E	CONCRETE	1988	CROSSING GREEN CIR S/S, 315' S/O MOUNTAIN V	10912022	9500L	-117.265468338	33.9697763832	25	1491962
4309624E	CONCRETE	1988	COUNTRY GATE S/S, 190' S/O MOUNTAIN VIEW	10912022	9500L	-117.265774201	33.9704843469	25	1491962
4062043E	CONCRETE	1990	N/S DELCRESTA, 40' W/O CARTAGENA	10912022	9500L	-117.269583028	33.9735927431	25	1491962
4062044E	CONCRETE	1990	S/S CARTAGENA, 220' S/O DELCRESTA	10912022	9500L	-117.269857003	33.9730322982	25	1491962
4062045E	CONCRETE	1990	S/S CARTAGENA, 220' S/O DELCRESTA	10912022	9500L	-117.270650256	33.9728309385	25	1491962
4062815E	CONCRETE	1989	HIDDEN SPRINGS W/S, 825' N/O COUNTRY GATE	10912022	9500L	-117.269025353	33.9709546736	25	1491962
4062816E	CONCRETE	1989	HIDDEN SPRINGS DR E/S, 1021' N/O COUNTRY GA	10912022	9500L	-117.269242702	33.9713935475	25	1491962
4709696E	CONCRETE	2008	HIDDEN SPRINGS DR. W/S 1200'N/O COUNTRY GA	10912022	9500L	-117.269582408	33.9719118157	25	1491962
4062818E	CONCRETE	1989	HIDDEN SPRINGS DR E/S, 1428' N/O COUNTRY GA	10912022	9500L	-117.269420114	33.9723584090	25	1491962
4062820E	CONCRETE	1989	HIDDEN SPRINGS DR E/S, 1849' N/O COUNTRY GA	10912022	9500L	-117.268948474	33.9731292893	25	1491962
4062821E	CONCRETE	1989	HIDDEN SPRINGS DR W/S, 2018' N/O COUNTRY G	10912022	9500L	-117.268639143	33.9734561272	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4062822E	CONCRETE	1989	HIDDEN SPRINGS RD E/S, 2189' N/O COUNTRY GA	10912022	9500L	-117.268107428	33.9736824377	25	1491962
4062823E	CONCRETE	1989	HIDDEN SPRINGS DR W/S, 2380' N/O COUNTRY G	10912022	9500L	-117.267497737	33.9742344865	25	1491962
4062951E	CONCRETE	1989	W/S SPRINGMIST, 220'S/O SHADOWRIDGE LN.	10912022	9500L	-117.267830176	33.9732890171	25	1491962
4062952E	CONCRETE	1989	S/S SHADOWRIDGE LN.,70' EAST OF SPRINGMIST	10912022	9500L	-117.267154903	33.9734188920	25	1491962
4062965E	CONCRETE	1989	W/S SPRINGMIST, 150'N/O SHADOWRIDGE LN.	10912022	9500L	-117.266880312	33.9739654414	25	1491962
4066194E	CONCRETE	1988	MEADOW CREEK DR S/S, 160' W/O BROOKMEAD	10912022	9500L	-117.270241815	33.9708454440	25	1491962
4066196E	CONCRETE	1988	BROOKMEAD DR E/S, 155' S/O MEADOW CREEK D	10912022	9500L	-117.269498706	33.9707708021	25	1491962
4066197E	CONCRETE	1988	BROOKMEAD DR W/S, 40' N/O MEADOW CREEK D	10912022	9500L	-117.269924906	33.9711560565	25	1491962
4066198E	CONCRETE	1988	BROOKMEAD DR W/S, 30' S/O MOUNTAIN VIEW	10912022	9500L	-117.270091716	33.9715262028	25	1491962
4112688E	CONCRETE	1990	E/S MOUNTAIN VIEW, 640' N/O VALLEY CREST	10912022	9500L	-117.271943115	33.9704437418	25	1491962
4112689E	CONCRETE	1990	W/S MOUNTAIN VIEW, 920' N/O VALLEY CREST	10912022	9500L	-117.271761344	33.9710150348	25	1491962
4112690E	CONCRETE	1990	S/S MOUNTAIN VIEW, 500' W/O HIDDEN SPRINGS	10912022	9500L	-117.271075511	33.9712863534	25	1491962
4112691E	CONCRETE	1990	N/S MOUNTAIN VIEW, 370' W/O HIDDEN SPRING	10912022	9500L	-117.270662886	33.9715966588	25	1491962
4112703E	CONCRETE	1989	S/S MOUNTAIN VIEW, 50' W/O TRIBUTARY	10912022	9500L	-117.266855194	33.9715075411	25	1491962
4112706E	CONCRETE	1989	N/S MOUNTAIN VIEW, 20' W/O COUNTRY GROVE	10912022	9500L	-117.267465874	33.9717720761	25	1491962
4112707E	CONCRETE	1989	S/S MOUNTAIN VIEW, 260' W/O COUNTRY GROV	10912022	9500L	-117.268309211	33.9718703462	25	1491962
4112708E	CONCRETE	1989	N/S MOUNTAIN VIEW, 210' E/O HIDDEN SPRINGS	10912022	9500L	-117.268877753	33.9719022586	25	1491962
4112709E	CONCRETE	1989	NORTH END OF SPRINGDALE	10912022	9500L	-117.268524903	33.9712480252	25	1491962
4112710E	CONCRETE	1989	E/S COUNTRY GROVE, 130' S/O MOUNTAIN VIEW	10912022	9500L	-117.267561525	33.9712734401	25	1491962
4112711E	CONCRETE	1989	W/S SPRINGDALE, 20' N/O COUNTRY GROVE	10912022	9500L	-117.267920139	33.9708053575	25	1491962
4114699E	CONCRETE	1990	W/S CARTAGENA, 560' N/O DELCRESTA	10912022	9500L	-117.268135860	33.9744769398	25	1491962
4114700E	CONCRETE	1990	E/S CARTAGENA, 280' N/O DELCRESTA	10912022	9500L	-117.268860370	33.9738968336	25	1491962
4162026E	CONCRETE	1991	N/W C/O DELCRESTA DR. & ESCORIAL CT.	10912022	9500L	-117.270802528	33.9740968383	25	1491962
4162027E	CONCRETE	1991	ESCORIAL CT. E/S, 260' S/O C/L DELCRESTA DR.	10912022	9500L	-117.271094242	33.9734509667	25	1491962
4162028E	CONCRETE	1991	DELCRESTA DR. S/S, 160' E/O C/L ESCORIAL CT.	10912022	9500L	-117.270279790	33.9738264765	25	1491962
4162819E	CONCRETE	1991	WARREN RD W/S 4666 S/O RAMONA EXPWY	10912022	9500L	-117.269375220	33.9727291596	25	1491962
2352872E	CONCRETE	1989	S/S SPRINGMIST,252'N/O SHADOWRIDGE LN.	10912022	9500L	-117.264629837	33.9733061881	25	1491962
2381423E	CONCRETE	1988	MOUNTAIN VIEW E/S, 45' N/O COUNTRY GATE	10912022	9500L	-117.265350467	33.9709905881	25	1491962
4062953E	CONCRETE	1989	S/S SHADOWRIDGE LN.,280'E/O SPRINGMIST	10912022	9500L	-117.266491742	33.9732412281	25	1491962
4062954E	CONCRETE	1989	S/S SHADOWRIDGE LN.,330'W/O SPRINGMIST	10912022	9500L	-117.265737248	33.9729537147	25	1491962
4062955E	CONCRETE	1989	5TH ST. N/S 170'W/O WESTERN AV.	10912022	9500L	-117.265285019	33.9729274308	25	1491962
4062956E	CONCRETE	1989	S/S OF SHADOWRIDGE LN.,35'E/O SPRINGMIST	10912022	9500L	-117.264677850	33.9726482991	25	1491962
4062960E	CONCRETE	1989	MESA SPRINGS WY N/S, 610' E/O IVY SPRINGS	10912022	9500L	-117.264331527	33.9742051582	25	1491962
4062961E	CONCRETE	1989	MESA SPRINGS WY S/S, 410' E/O IVY SPRINGS	10912022	9500L	-117.264944218	33.9742748925	25	1491962
4062966E	CONCRETE	1989	N/S SPRINGMIST,345'N/O SHADOWRIDGE LN.	10912022	9500L	-117.266272378	33.9741246289	25	1491962
4062967E	CONCRETE	1989	S/S OF SPRINGMIST, 185' EAST OF CORNER	10912022	9500L	-117.265705634	33.9737721716	25	1491962
4062968E	CONCRETE	1989	N/S SPRINGMIST, 143' W/O CORNER	10912022	9500L	-117.264968614	33.9735585549	25	1491962
4112701E	CONCRETE	1989	S/S MOUNTAIN VIEW, 270' E/O TRIBUTARY	10912022	9500L	-117.265880555	33.9712230859	25	1491962
4112702E	CONCRETE	1989	N/S MOUNTAIN VIEW, 100' E/O TRIBUTARY	10912022	9500L	-117.266252794	33.9714611390	25	1491962
4299256E	CONCRETE	1995	HIDEN SPRS N/O COUNTRY GATE	10912022	9500L	-117.266974053	33.9744202703	25	1491962
4162511E	CONCRETE	1995	CARTEGENA DR S/S 240' E/O ALTABRISTA WY	10912022	9500L	-117.271154616	33.9727183898	25	1491960
4162512E	CONCRETE	1995	CARTEGENA N/S 40' E/O ALTABRISTA WY	10912022	9500L	-117.271832626	33.9727840078	25	1491960
4162513E	CONCRETE	1995	ALTABRISTA W/S 175' S/O CARTEGENA	10912022	9500L	-117.272026699	33.9722639440	25	1491960
4162514E	CONCRETE	1995	ALTABRISTA WY W/S 180' N/O CARTEGENA	10912022	9500L	-117.272033880	33.9733281006	25	1491960
4162515E	CONCRETE	1995	ALTABRISTA WY E/S 430' N/O CARTEGENA	10912022	9500L	-117.271878149	33.9740721696	25	1491960
4062811E	CONCRETE	1989	HIDDEN SPRINGS W/S, 153' N/O COUNTRY GATE	10912022	9500L	-117.267500544	33.9696815808	25	1491962
4525089E	CONCRETE	2007	HIDDEN SPRINGS E/S, 629' N/O COUNTRY GATE	10912022	9500L	-117.268536003	33.9707222086	26	1491962
4112749E	CONCRETE	1989	N/S LAKESIDE, 45' E/O SYCAMORE CANYON	10912025	9500L	-117.262158170	33.9742989276	25	1491962
2361951E	CONCRETE	1987	GLEN ROCK CR W/S, 230' S/O CREST BROOK DR	10912025	9500L	-117.262925814	33.9695857633	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
2361952E	CONCRETE	1987	GLEN ROCK CR E/S, 125' S/O CREST BROOK DR	10912025	9500L	-117.263043349	33.9698121116	25	1491962
2361953E	CONCRETE	1987	CREST BROOK DR S/S, 110' E/O GLEN ROCK CR	10912025	9500L	-117.263049998	33.9701632527	25	1491962
2361954E	CONCRETE	1987	CREST BROOK DR N/S, 80' W/O GLEN ROCK CR	10912025	9500L	-117.263876482	33.9698184218	25	1491962
2361955E	CONCRETE	1987	MOUNTAIN VIEW E/S, 45' S/O CREST BROOK DR	10912025	9500L	-117.264014330	33.9694471137	25	1491962
4309620E	CONCRETE	1988	CROSSING GREEN CIR N/S, 230' E/O MOUNTAIN V	10912025	9500L	-117.264009148	33.9705452235	25	1491962
4002609E	CONCRETE	1989	W/S VIA PAJARO, 130' N/O VIA MONTEGO	10912025	9500L	-117.254308904	33.9701758552	25	1491962
4005145E	CONCRETE	1989	E/S VIA APOLINA, 375' N/O VIA SAUSALITO	10912025	9500L	-117.256346998	33.9705571032	25	1491962
4005146E	CONCRETE	1989	W/S VIA APOLINA, 150' N/O VIA SAUSALITO	10912025	9500L	-117.255900737	33.9699050857	25	1491962
4005147E	CONCRETE	1989	E/S VIA APOLINA, 40' S/O VIA SAUSALITO	10912025	9500L	-117.255524125	33.9696753762	25	1491962
4005148E	CONCRETE	1989	S/S VIA SAUSALITO, 260' E/O VIA APOLINA	10912025	9500L	-117.254919069	33.9701725188	25	1491962
4005598E	CONCRETE	1989	N/S VIA MONTEGO, 20' W/O ENTRANCE TO TRAC	10912025	9500L	-117.254804332	33.9694677575	25	1491962
4062957E	CONCRETE	1989	SHADOWRIDGE LN N/S, 45' W/O MESA SPRINGS V	10912025	5800L	-117.263933416	33.9726500322	25	1491962
4062958E	CONCRETE	1989	MESA SPRINGS WY E/S, 190' N/O SHADOWRIDGE	10912025	9500L	-117.263750782	33.9730414856	25	1491962
4062959E	CONCRETE	1989	MESA SPRINGS WY W/S, 390' N/O SHADOWRIDGE	10912025	9500L	-117.263893051	33.9735751733	25	1491962
4112722E	CONCRETE	1989	W/S SYCAMORE CANYON, 130' S/O LAKESIDE	10912025	9500L	-117.262321537	33.9737515545	25	1491962
4112723E	CONCRETE	1989	E/S SYCAMORE CANYON, 390' S/O LAKESIDE	10912025	9500L	-117.262137736	33.9733069394	25	1491962
4112725E	CONCRETE	1989	W/S SYCAMORE CANYON, 590' S/O LAKESIDE	10912025	9500L	-117.262295418	33.9726121685	25	1491962
4112726E	CONCRETE	1989	SOUTH END OF SYCAMORE CANYON	10912025	9500L	-117.262203510	33.9722195165	25	1491962
4309621E	CONCRETE	1988	CROSSING GREEN CIR S/S, 460' E/O MOUNTAIN V	10912025	9500L	-117.263372635	33.9709297091	25	1491962
4002602E	CONCRETE	1989	N/S VIA AMADOR, 50' E/O VIA PASTORAL	10912025	9500L	-117.255506051	33.9710117095	25	1491962
4005133E	CONCRETE	1989	W/S SUNNYMEAD RANCH PKWY, 175' N/O ENTRA	10912025	9500L	-117.254881863	33.9723775785	25	1491962
4005135E	CONCRETE	1989	S/S VIA AMADOR, C/L VIA PAVON	10912025	9500L	-117.254869310	33.9712020072	25	1491962
4005136E	CONCRETE	1989	W/S VIA PAVON, 10' N/O ENTRANCE TO TRACT	10912025	9500L	-117.255054939	33.9717613867	25	1491962
4005137E	CONCRETE	1989	E/S VIA PAVON, 220' N/O ENTRANCE TO TRACT	10912025	9500L	-117.255350114	33.9722667202	25	1491962
4005138E	CONCRETE	1989	S/S VIA APOUNA, 50' W/O VIA PAVON	10912025	9500L	-117.255872390	33.9726652312	25	1491962
4005139E	CONCRETE	1989	W/S VIA APOUNA, 285' N/O VIA PASTORAL	10912025	9500L	-117.256395779	33.9725120639	25	1491962
4005140E	CONCRETE	1989	E/S VIA APOUNA, 45' N/O VIA PASTORAL	10912025	9500L	-117.256624782	33.9718646197	25	1491962
4005141E	CONCRETE	1989	N/S VIA PASTORAL, 190' E/O VIA APOUNA	10912025	9500L	-117.256073707	33.9716899069	25	1491962
4005142E	CONCRETE	1989	W/S VIA PASTORAL, 190' N/O VIA AMADOR	10912025	9500L	-117.255983840	33.9713679813	25	1491962
4005149E	CONCRETE	1989	E/S VIA PAJARO, 10' N/O VIA SAUSALITO	10912025	9500L	-117.254451021	33.9706148687	25	1491962
4113685E	CONCRETE	1989	N/S EVENING SNOW, 45' W/O SAND CREST	10912025	9500L	-117.254733889	33.9744392507	25	1491962
4113686E	CONCRETE	1989	N/S LAKE VISTA, 45' W/O SAND CREST	10912025	9500L	-117.254725644	33.9739514373	25	1491962
4113690E	CONCRETE	1989	W/S ARROW LEAF, 160' S/O PRESCOTT	10912025	9500L	-117.255663936	33.9746510890	25	1491962
4005131E	CONCRETE	1989	W/S SUNNYMEAD RANCH PKWY, 130' S/O ENTRA	10912025	22000L	-117.254404543	33.9714835836	29	1491960
4005132E	CONCRETE	1989	W/S SUNNYMEAD RANCH PKWY, 75' N/O ENTRA	10912025	22000L	-117.254728773	33.9720753382	29	1491960
4005134E	CONCRETE	1989	W/S SUNNYMEAD RANCH PKWY, 320' N/O ENTRA	10912025	22000L	-117.255128032	33.9727093017	29	1491960
4113687E	CONCRETE	1989	E/S SUNNYMEAD RANCH PARKWAY, 40' N/O LAKE	10912025	22000L	-117.255545070	33.9737239115	29	1491960
4113688E	CONCRETE	1989	E/S SUNNYMEAD RANCH PARKWAY, 380' N/O LAKE	10912025	22000L	-117.256232554	33.9745296438	29	1491960
4465605E	CONCRETE	2001	PIGEON PASS W/S, 600' N/O C/L HIDDEN SPRINGS	10912025	22000L	-117.261597636	33.9697304661	32	1491960
4465606E	CONCRETE	2001	PIGEON PASS W/S, 868' N/O C/L HIDDEN SPRINGS	10912025	22000L	-117.261593065	33.9704964914	32	1491960
4761769E	CONCRETE	2010	W/S PIGEON PASS 1065' N/O OLD LAKE DR	10912025	22000L	-117.261572891	33.9712471730	32	1491960
4478771E	CONCRETE	2002	CORAL LANE E/S, 205' N/O C/L VIA PAVON	10912025	9500L	-117.254322795	33.9726752224	27	1491962
4478774E	CONCRETE	2002	VIA PAVON N/S, 62' E/O C/L SUNNYMEAD RANCH	10912025	9500L	-117.254440447	33.9719971921	27	1491962
4478775E	CONCRETE	2002	SUNNYMEAD RANCH PKWY E/S, 140' N/O C/L VIA	10912025	22000L	-117.254700096	33.9722798661	32	1491962
4483604E	CONCRETE	2003	LAKE VISTA RD S/S, 170' E/O SUNNYMEAD RANCH	10912025	22000L	-117.254966175	33.9737716673	32	1491962
4497062E	CONCRETE	2003	SUNNYMEAD RANCH PKWY E/S, 238' S/O LAKE VI	10912025	22000L	-117.255180005	33.9731109680	32	1491962
4497063E	CONCRETE	2003	CORAL LN W/S, 24' S/O MARINER WY	10912025	9500L	-117.254776980	33.9733645123	27	1491962
4493145E	CONCRETE	2004	SUNNYMEAD RCH. PKY. S/S, W/O VIA PORTO 386	10912025	22000L	-117.256431446	33.9745861788	32	1491960
4493147E	CONCRETE	2004	SUNNYMEAD RCH. PKY. S/S, 87' W/O LAKE VISTA	10912025	22000L	-117.255846989	33.9739532680	32	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4518538E	CONCRETE	2004	VIA PESCADERO N/S, 31' W/O VIA INDIGO	10912025	9500L	-117.257415845	33.9746435761	27	1491962
4518540E	CONCRETE	2004	VIA INDIGO SE/S, 256' SW/O VIA PESCADERO	10912025	9500L	-117.258374539	33.9742676050	27	1491962
4518541E	CONCRETE	2004	VIA INDIGO NW/S, 510' SW/O VIA PESCADERO	10912025	9500L	-117.258870500	33.9737058623	27	1491962
4518542E	CONCRETE	2004	VIA PESCADERO NE/S, 40' SE/O VIA PORTO	10912025	9500L	-117.257264801	33.9745474787	27	1491962
4518543E	CONCRETE	2004	VIA PESCADERO W/S, 158' N/O VIA ARBOL	10912025	9500L	-117.256861459	33.9739683820	27	1491962
4518544E	CONCRETE	2004	VIA ARBOL N/S, 167' E/O VIA PESCADERO	10912025	9500L	-117.256288029	33.9735015865	27	1491962
4518545E	CONCRETE	2004	VIA PESCADERO E/S, 37' S/O VIA ARBOL	10912025	9500L	-117.256752494	33.9734485961	27	1491962
4518546E	CONCRETE	2004	VIA PESCADERO NW/S, 275' SW/O VIA ARBOL	10912025	9500L	-117.257358289	33.9729837160	27	1491962
4518547E	CONCRETE	2004	VIA PESCADERO E/S, 448' SW/O VIA ARBOL	10912025	9500L	-117.257602476	33.9725630830	27	1491962
4518548E	CONCRETE	2004	VIA PESCADERO S/S, 639' SW/O VIA ARBOL	10912025	9500L	-117.257860320	33.9722164679	27	1491962
4761716E	CONCRETE	2010	W/S PIGEON PASS, 800' S/O LAKESIDE DR	10912025	22000L	-117.261574727	33.9720601344	32	1491962
4761719E	CONCRETE	2010	W/S PIGEON PASS 59' N/O LAKESIDE DR	10912025	22000L	-117.261589200	33.9743306437	32	1491962
4761715E	CONCRETE	2010	W/S PIGEON PASS 445' S/O LAKESIDE DR	10912025	22000L	-117.261585723	33.9730361077	32	1491962
4718160E	CONCRETE	2008	DEVILLE DR W/S, 175' S/O SIENNA WY	10912025	9500L	-117.259898998	33.9745757891	27	1491962
4718161E	CONCRETE	2008	IMPERIAL DR S/S, 2' E/O DEVILLE DR	10912025	9500L	-117.259827752	33.9741154864	27	1491962
4718162E	CONCRETE	2008	IMPERIAL DR S/S, 165' W/O DEVILLE DR	10912025	9500L	-117.260378793	33.9740911664	27	1491962
4718163E	CONCRETE	2008	IMPERIAL DR S/S, 5' W/O CAPRICE WY	10912025	9500L	-117.260970142	33.9740918440	27	1491962
4718164E	CONCRETE	2008	CAPRICE WY E/S, 152' N/O IMPERIAL DR	10912025	9500L	-117.260913343	33.9746030918	27	1491962
4718171E	CONCRETE	2008	PIGEON PASS RD E/S, 420' S/O SUNNYMEAD RAN	10912025	22000L	-117.261432247	33.9744892615	32	1491960
4718172E	CONCRETE	2008	PIGEON PASS RD E/S, 625' S/O SUNNYMEAD RAN	10912025	22000L	-117.261449857	33.9738898166	32	1491960
4759304E	CONCRETE	2010	E/S PIGEON PASS RD., 256 S/O LAKESIDE DR.	10912025	22000L	-117.261430534	33.9735453283	32	1491960
4759305E	CONCRETE	2010	E/S PIGEON PASS RD., 418' S/O LAKESIDE DR.	10912025	22000L	-117.261423233	33.9731118672	32	1491960
4759306E	CONCRETE	2010	E/S PIGEON PASS RD., 601' S/O LAKESIDE DR.	10912025	22000L	-117.261440992	33.9726031802	32	1491960
4759307E	CONCRETE	2010	E/S PIGEON PASS RD., 756' S/O LAKESIDE DR.	10912025	22000L	-117.261438309	33.9721733707	32	1491960
4761765E	CONCRETE	2010	W/S PIGEON PASS RD., 96' S/O LAKESIDE DR.	10912025	22000L	-117.261586611	33.9740489024	32	1491960
4761766E	CONCRETE	2010	W/S PIGEON PASS RD., 256' S/O LAKESIDE DR.	10912025	22000L	-117.261568645	33.9735558339	32	1491960
4761767E	CONCRETE	2010	W/S PIGEON PASS RD., 601' S/O LAKESIDE DR.	10912025	22000L	-117.261573974	33.9725913540	32	1491960
4761768E	CONCRETE	2010	W/S PIGEON PASS RD., 941' S/O LAKESIDE DR.	10912025	22000L	-117.261566568	33.9716570146	32	1491960
4761770E	CONCRETE	2010	W/S PIGEON PASS RD., 750' N/O OLD LAKE RD.	10912025	22000L	-117.261571182	33.9701692392	32	1491960
4761771E	CONCRETE	2010	W/S PIGEON PASS RD., 480' N/O OLD LAKE RD.	10912025	22000L	-117.261600485	33.9694211094	32	1491960
4005150E	CONCRETE	1989	S/S VIA MONTEGO, 240' E/O ENTRANCE TO TRAC	10912028	9500L	-117.254084726	33.9698323995	25	1491962
4039929E	CONCRETE	1988	SHORE CREST TERRACE N/S, 380' W/O CREEKWOOD	10912028	9500L	-117.247892761	33.9698113607	25	1491962
4039930E	CONCRETE	1988	SHORE CREST TERRACE W/S, 260' S/O BRITTLEBRUSH	10912028	9500L	-117.247956652	33.9703631606	25	1491962
4039931E	CONCRETE	1988	SHORE CREST TERRACE E/S, 45' S/O BRITTLEBRUSH	10912028	9500L	-117.247416972	33.9707934231	25	1491962
4039940E	CONCRETE	1988	BRITTLEBRUSH CIR N/S, 120' W/O RIDGE POINT	10912028	9500L	-117.246528853	33.9707611797	25	1491962
4039943E	CONCRETE	1988	RIDGE POINT CT N/S,	10912028	9500L	-117.246230329	33.9701388535	25	1491962
4039944E	CONCRETE	1988	RIDGE POINT CT S/S, LOT 94	10912028	9500L	-117.247055033	33.9701427939	25	1491962
4112936E	CONCRETE	1990	WEST END COLDWATER	10912028	9500L	-117.250309199	33.9713676147	25	1491962
4112937E	CONCRETE	1990	N/S COLDWATER, 165' W/O FERNLEAF	10912028	9500L	-117.249840114	33.9713456747	25	1491962
4112938E	CONCRETE	1990	S/S COLDWATER, 10' E/O FERNLEAF	10912028	9500L	-117.249135239	33.9713364563	25	1491962
4112939E	CONCRETE	1990	N/S COLDWATER, 235' E/O FERNLEAF	10912028	9500L	-117.248491731	33.9716346968	25	1491962
4112940E	CONCRETE	1990	EAST END COLDWATER	10912028	9500L	-117.247972873	33.9716496143	25	1491962
4002665E	CONCRETE	1988	BRITTLEBRUSH CIR S/S, 135' W/O DESERT STAR	10912028	9500L	-117.245664583	33.9709538042	25	1491962
4039941E	CONCRETE	1988	RIDGE POINT W/S, 95' S/O BRITTLEBRUSH	10912028	9500L	-117.246102262	33.9705225469	25	1491962
4039942E	CONCRETE	1988	RIDGE POINT CT E/S, 250' S/O BRITTLEBRUSH	10912028	9500L	-117.245837369	33.9701885380	25	1491962
4039945E	CONCRETE	1988	DESERT STAR W/S, 310' N/O CREEKWOOD	10912028	9500L	-117.245114623	33.9704235256	25	1491962
4039946E	CONCRETE	1988	DESERT STAR E/S, 45' N/O CREEKWOOD DR	10912028	9500L	-117.244763335	33.9697723960	25	1491962
4062032E	CONCRETE	1989	W/S FERNLEAF, 50' S/O MARGUERITE	10912028	9500L	-117.250389973	33.9730308645	25	1491962
4062033E	CONCRETE	1989	S/W C/O FERNLEAF AND MARGUERITE	10912028	9500L	-117.250484530	33.9732197775	25	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4062034E	CONCRETE	1989	N/S THORNBIRD, 50' W/O YELLOWBILL	10912028	9500L	-117.249959703	33.9743230006	25	1491962
4062035E	CONCRETE	1989	S/S THORNBIRD, 220' W/O YELLOWBILL	10912028	9500L	-117.250368893	33.9742843233	25	1491962
4062036E	CONCRETE	1989	E/S THORNBIRD, 300' NW/YELLOWBILL	10912028	9500L	-117.250572673	33.9745952057	25	1491962
4112925E	CONCRETE	1989	WEST END OF NARCISSUS	10912028	9500L	-117.251278321	33.9724119533	25	1491962
4112926E	CONCRETE	1989	N/S NARCISSUS, 210' W/O FERNLEAF	10912028	9500L	-117.250712258	33.9725312075	25	1491962
4112927E	CONCRETE	1989	W/S FERNLEAF, 100' N/O HELIOTROPE	10912028	9500L	-117.249846265	33.9723047095	25	1491962
4112928E	CONCRETE	1989	E/S FERNLEAF, 40' S/O HELIOTROPE	10912028	9500L	-117.249447545	33.9719981630	25	1491962
4112929E	CONCRETE	1989	S/S HELIOTROPE, 240' E/O FERNLEAF	10912028	9500L	-117.248821983	33.9723302791	25	1491962
4112930E	CONCRETE	1989	W/S BLUEBILL, 35' N/O HELIOTROPE	10912028	9500L	-117.248531581	33.9728864861	25	1491962
4112931E	CONCRETE	1989	W/S BLUEBILL, 35' N/O BLACKBIRD	10912028	9500L	-117.249060508	33.9734512479	25	1491962
4112932E	CONCRETE	1989	WEST END OF BLACKBIRD	10912028	9500L	-117.249528817	33.9731225889	25	1491962
4112933E	CONCRETE	1989	N/S BLUEBILL, 200' E/O HELIOTROPE	10912028	9500L	-117.247849425	33.9726234702	25	1491962
4112934E	CONCRETE	1989	S/S BLUEBILL, 430' E/O HELIOTROPE	10912028	9500L	-117.247242240	33.9722880852	25	1491962
4112941E	CONCRETE	1989	S/S LAKE VISTA, 190' W/O BLUEBILL	10912028	9500L	-117.249730448	33.9736908255	25	1491962
4112942E	CONCRETE	1989	S/S LAKE VISTA, 330' W/O BLUEBILL	10912028	9500L	-117.250293306	33.9736324663	25	1491962
4113451E	CONCRETE	1989	N/S LAKE VISTA, 470' W/O DEEP CANYON	10912028	9500L	-117.251211176	33.9739439333	25	1491962
4113453E	CONCRETE	1989	W/S PINTAIL, 240' N/O LAKE VISTA	10912028	9500L	-117.248650998	33.9742787935	25	1491962
4113456E	CONCRETE	1989	E/S SNIPE, 270' S/O YELLOWBILL	10912028	9500L	-117.248580459	33.9747151717	25	1491962
4113461E	CONCRETE	1989	W/S MALLOW, 350' N/O LAKE VISTA	10912028	9500L	-117.246717060	33.9741759081	25	1491962
4113462E	CONCRETE	1989	E/S MALLOW, 120' N/O LAKE VISTA	10912028	9500L	-117.246960572	33.9735952008	25	1491962
4113463E	CONCRETE	1989	E/S PINTAIL, 50' N/O LAKE VISTA	10912028	9500L	-117.248648595	33.9739662386	25	1491962
4113464E	CONCRETE	1989	N/S LAKE VISTA, 150' E/O PINTAIL	10912028	9500L	-117.248305094	33.9738667462	25	1491962
4113465E	CONCRETE	1989	S/S LAKE VISTA, 40' E/O MALLOW	10912028	9500L	-117.247082807	33.9731706152	25	1491962
4113466E	CONCRETE	1989	N/S LAKE VISTA, 205' E/O MALLOW	10912028	9500L	-117.246517676	33.9731177274	25	1491962
4113681E	CONCRETE	1989	N/S LAKE VISTA, 45' E/O MOHAWK	10912028	9500L	-117.252151332	33.9739802079	25	1491962
4113682E	CONCRETE	1989	S/S EVENING SNOW, 45' W/O MOHAWK	10912028	9500L	-117.252382897	33.9743931655	25	1491962
4113683E	CONCRETE	1989	N/S LAKE VISTA, 310' W/O MOHAWK	10912028	9500L	-117.253273851	33.9739197272	25	1491962
4113684E	CONCRETE	1989	S/S EVENING SNOW, 270' E/O SAND CREST	10912028	9500L	-117.253578436	33.9742929756	25	1491962
4113696E	CONCRETE	1990	W/S THUNDERHEAD, 150' N/O EVENING SNOW	10912028	9500L	-117.253676157	33.9746902871	25	1491962
4113698E	CONCRETE	1990	W/S ROCK HILL, 150' N/O EVENING SNOW	10912028	9500L	-117.252823240	33.9747035383	25	1491962
4113700E	CONCRETE	1990	W/S DESERT MALLOW, 50' N/O EVENING SNOW	10912028	9500L	-117.251828620	33.9745752646	25	1491962
4113787E	CONCRETE	1989	E/S DEEP CANYON, 160' N/O THORNBIRD	10912028	9500L	-117.249642305	33.9745824134	25	1491962
4039947E	CONCRETE	1988	BRITTLEBRUSH CIR S/S, 340' E/O DESERT STAR	10912028	9500L	-117.244433275	33.9714149450	25	1491962
4039948E	CONCRETE	1988	BRITTLEBRUSH CIR N/S, 50' E/O DESERT STAR	10912028	9500L	-117.245215455	33.9712206965	25	1491962
4112935E	CONCRETE	1989	SOUTH END OF BLUEBILL	10912028	9500L	-117.246905223	33.9721088675	25	1491962
4113460E	CONCRETE	1989	E/S MALLOW, 170' S/O YELLOWBILL	10912028	9500L	-117.246530318	33.9748655157	25	1491962
4113467E	CONCRETE	1989	W/S CARIBOU, 40' S/O LAKE VISTA	10912028	9500L	-117.246073954	33.9728317988	25	1491962
4113468E	CONCRETE	1989	E/S CARIBOU, 220' S/O LAKE VISTA	10912028	9500L	-117.245727217	33.9724833487	25	1491962
4113469E	CONCRETE	1989	N/S LAKE VISTA, 140' W/O LAKE SUMMIT	10912028	9500L	-117.245608486	33.9732385280	25	1491962
4113470E	CONCRETE	1989	E/S LAKE SUMMIT, 30' N/O LAKE VISTA	10912028	9500L	-117.245494107	33.9739819903	25	1491962
4113471E	CONCRETE	1989	W/S LAKE SUMMIT, 20' N/O SOLITARE	10912028	9500L	-117.246191438	33.9746771746	25	1491962
4113473E	CONCRETE	1989	W/S LAKE SUMMIT, 100' S/O LAKE VISTA	10912028	9500L	-117.245082985	33.9731255691	25	1491962
4113474E	CONCRETE	1989	N/S LAKE SUMMIT, 40' W/O STAGHORN	10912028	9500L	-117.244435638	33.9728636055	25	1491962
4113475E	CONCRETE	1989	SOUTH END OF STAGHORN	10912028	9500L	-117.244685930	33.9721095310	25	1491962
2335574E	CONCRETE	1986	SUNNYMEAD RANCH RD, S/S, 235' W/O OLD LK D	10912028	22000L	-117.253689219	33.9703125464	29	1491960
2335576E	CONCRETE	1986	OLD LK RD, W/S, 270' S/O SYMD RANCH RD	10912028	9500L	-117.253953643	33.9694003954	29	1491960
4005143E	CONCRETE	1989	W/S SUNNYMEAD RANCH PKWY, 478' N/O OLD L	10912028	22000L	-117.253990193	33.9708518659	29	1491960
4317493E	CONCRETE	1997	SUNNYMEAD RANCH PKWY	10912028	22000L	-117.252984113	33.9696004127	29	1491960
4478772E	CONCRETE	2002	BEACHCOMBER W/S, 212' N/O C/L CORAL LANE	10912028	9500L	-117.253189022	33.9720886003	27	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4478773E	CONCRETE	2002	SUNNYMEAD RANCH PKWY E/S, 250' S/O C/L VIA	10912028	22000L	-117.254101155	33.9712592467	32	1491962
4483601E	CONCRETE	2002	BEACHCOMBER ST E/S, 110' S/O C/L CORAL LANE	10912028	9500L	-117.253579069	33.9714286615	27	1491962
4483605E	CONCRETE	2002	CORAL LANE E/S, 85' S/O C/L VIA PAVON	10912028	9500L	-117.253808883	33.9719378916	27	1491962
4483606E	CONCRETE	2003	LAKE VISTA RD S/S, 46' E/O BEACHCOMBER ST	10912028	22000L	-117.253003388	33.9738159788	32	1491962
4497064E	CONCRETE	2003	MARINER WY N/S, 161' E/O CORAL LN	10912028	9500L	-117.254123713	33.9735074187	27	1491962
4497065E	CONCRETE	2003	BEACHCOMBER ST W/S, 42' S/O MARINER WY	10912028	9500L	-117.253279668	33.9733418528	27	1491962
4497066E	CONCRETE	2003	BEACHCOMBER ST E/S, 25' S/O NAUTICAL CIR	10912028	9500L	-117.253131287	33.9728065603	27	1491962
4497067E	CONCRETE	2003	NAUTICAL CIR, ON CUL DE SAC	10912028	9500L	-117.253732183	33.9727632111	27	1491962
4534157E	CONCRETE	2003	LAKE VISTA RD S/S, 248' W/O BEACHCOMBE	10912028	22000L	-117.253986135	33.9738385983	27	1491962
2358659E	CONCRETE	1988	SUMMIT RIDGE CIR N/S, 130' N/O CANYON VISTA	10912031	9500L	-117.239660353	33.9696669205	25	1491962
2358660E	CONCRETE	1988	CANYON VISTA S/S, 115' N/O SUMMIT RIDGE	10912031	9500L	-117.239127049	33.9696741872	25	1491962
2358661E	CONCRETE	1988	CANYON VISTA N/S, 40' N/O EAGLE VALLEY	10912031	9500L	-117.238773828	33.9701819861	25	1491962
2358662E	CONCRETE	1988	CANYON VISTA N/S, 40' W/O RIMCREST LN	10912031	9500L	-117.237744527	33.9713055973	25	1491962
2358666E	CONCRETE	1988	CANYON VISTA S/S, 5' S/O HIGHLAND MESA	10912031	9500L	-117.238149625	33.9706966844	25	1491962
2358667E	CONCRETE	1988	EAGLE VLY W/S, 125' N/O CANYON VISTA	10912031	9500L	-117.239125023	33.9701796403	25	1491962
4039932E	CONCRETE	1988	LAKE SUMMIT DR E/S, 165' S/O CREEKWOOD DR	10912031	9500L	-117.243622888	33.9695545135	25	1491962
4039933E	CONCRETE	1988	CREEKWOOD DR S/S, 80' W/O LAKE SUMMIT	10912031	9500L	-117.244102821	33.9697473932	25	1491962
4039935E	CONCRETE	1988	LAKE SUMMIT DR W/S, 140' N/O CREEKWOOD DR	10912031	9500L	-117.243925512	33.9702019559	25	1491962
4039936E	CONCRETE	1988	LAKE SUMMIT DR E/S, 420' N/O CREEKWOOD DR	10912031	9500L	-117.243469991	33.9709597299	25	1491962
2358668E	CONCRETE	1988	RIMCREST LN N/S, 105' N/O CANYON VISTA	10912031	9500L	-117.237881954	33.9715655208	25	1491962
2358669E	CONCRETE	1988	RIMCREST LN W/S, 240' N/O CANYON VISTA	10912031	9500L	-117.238226793	33.9716675607	25	1491962
2358671E	CONCRETE	1988	CANYON VISTA E/S, 35' N/O MESA RIDGE	10912031	9500L	-117.236945338	33.9719539324	25	1491962
2358672E	CONCRETE	1988	MESA RIDGE S/S, 100' N/O CANYON VISTA	10912031	9500L	-117.237419322	33.9721115820	25	1491962
2358673E	CONCRETE	1988	MESA RIDGE N/S, 255' N/O CANYON VISTA	10912031	9500L	-117.237673703	33.9723843790	25	1491962
2358675E	CONCRETE	1988	CANYON VISTA W/S, 190' N/O MESA RIDGE	10912031	9500L	-117.236827805	33.9723396038	25	1491962
2358678E	CONCRETE	1988	CANYON VISTA N/S, 135' N/O RIMCREST LN	10912031	9500L	-117.237380596	33.9716638130	25	1491962
4039938E	CONCRETE	1988	LAKE SUMMIT DR W/S, 640' N/O CREEKWOOD DR	10912031	8000L	-117.243216011	33.9715307495	25	1491962
4039939E	CONCRETE	1988	LAKE SUMMIT DR E/S, 920' N/O CREEKWOOD DR	10912031	9500L	-117.243181276	33.9721444612	25	1491962
4113476E	CONCRETE	1989	S/S LAKE SUMMIT, 180' E/O STAGHORN	10912031	9500L	-117.243780603	33.9724839743	25	1491962
2358677E	CONCRETE	1988	CANYON VISTA E/S, 125' S/O RANCH VIEW	10912031	9500L	-117.236673424	33.9731219735	25	1491962
2358679E	CONCRETE	1988	RANCH VIEW S/S, 130' E/O CANYON VISTA	10912031	9500L	-117.236235905	33.9731859896	25	1491962
2358680E	CONCRETE	1988	RANCH VIEW E/S, 265' E/O CANYON VISTA	10912031	9500L	-117.235862702	33.9730417153	25	1491962
2358681E	CONCRETE	1988	CANYON VISTA E/S, 45' N/O RANCH VIEW	10912031	9500L	-117.236446448	33.9735330437	25	1491962
2358682E	CONCRETE	1988	CANYON VISTA S/S, 231' N/O RANCH VIEW	10912031	9500L	-117.235977283	33.9737025552	25	1491962
2358683E	CONCRETE	1988	CANYON VISTA S/S, 453' E/O RANCH VIEW	10912031	9500L	-117.235427005	33.9736694328	25	1491962
4056023E	CONCRETE	1988	CANYON VISTA RD. N/S 450' W/O PERRIS	10912031	9500L	-117.234650188	33.9731109453	25	1491962
2358663E	CONCRETE	1988	HEACOCK ST S/S, 25' S/O SUMMIT RIDGE CR	10912031	22000L	-117.240343277	33.9699136594	29	1491960
2361937E	CONCRETE	1988	HEACOCK ST S/S, 180' N/O SUMMIT RIDGE	10912031	22000L	-117.239941381	33.9702776170	29	1491960
2358657E	CONCRETE	1988	HEACOCK ST E/S, 70' S/O RANCH VIEW	10912031	22000L	-117.237527637	33.9736851204	29	1491960
2358665E	CONCRETE	1988	HEACOCK ST S/S, 200' S/O HIGHLAND MESA	10912031	22000L	-117.239464780	33.9709857975	29	1491960
2358676E	CONCRETE	1988	HEACOCK ST E/S, 15' N/O MESA RIDGE	10912031	22000L	-117.238460405	33.9728356589	29	1491960
2361939E	CONCRETE	1988	HEACOCK ST E/S, 90' N/O RIMCREST LN	10912031	22000L	-117.238782347	33.9723520710	29	1491960
2361940E	CONCRETE	1988	HEACOCK ST E/S, 220' N/O MESA RIDGE	10912031	22000L	-117.238045699	33.9732768140	29	1491960
2361941E	CONCRETE	1988	HEACOCK ST E/S, 120' N/O RANCH VIEW	10912031	22000L	-117.237124606	33.9739928493	29	1491960
4230082E	CONCRETE	1993	HEACOCK ST E/S 110' S/O RIMCREST	10912031	22000L	-117.239081441	33.9717738665	29	1491960
2358670E	CONCRETE	1988	HEACOCK ST E/S, 530' N/O RANCH VIEW	10912031	22000L	-117.235977433	33.9749106889	29	1491960
2358684E	CONCRETE	1988	HEACOCK ST E/S, 325' N/O RANCH VIEW	10912031	22000L	-117.236609778	33.9744078309	29	1491960
4269264E	CONCRETE	1995	HEACOCK E/S 1/4 MILE N/O SUNNYMESD RANCH	10912031	22000L	-117.239745737	33.9706747182	25	1491962
4317451E	CONCRETE	2000	HEACOCK ST W/S 376' N/O MEANDER CT	10912031	22000L	-117.238489770	33.9729649722	31	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4317452E	CONCRETE	2000	HEACOCK ST W/S 215' N/O MEANDER CT	10912031	22000L	-117.238756341	33.9726288408	31	1491962
4317453E	CONCRETE	2000	HEACOCK ST W/S 65' N/O MEANDER CT	10912031	22000L	-117.239039727	33.9721965966	31	1491962
4317454E	CONCRETE	2000	MEANDER CT N/S 200' W/O HEACOCK ST	10912031	9500L	-117.239664172	33.9722155368	26	1491962
4317455E	CONCRETE	2000	MEANDER CT N/S 415' W/O HEACOCK ST	10912031	9500L	-117.240165502	33.9720377965	26	1491962
4317456E	CONCRETE	2000	MEANDER CT N/S 585' W/O HEACOCK ST	10912031	9500L	-117.240612649	33.9718282864	26	1491962
4064006E	CONCRETE	1989	E/S STARSHINE, 20' S/O MOONSHADOW	10912034	9500L	-117.228921151	33.9699864797	25	1491962
4064007E	CONCRETE	1989	S/S MOONSHADOW, 450' W/O STARSHINE	10912034	9500L	-117.230398449	33.9701510652	25	1491962
4064008E	CONCRETE	1989	N/S MOONSHADOW, 180' W/O STARSHINE	10912034	9500L	-117.229661926	33.9702052583	25	1491962
4064009E	CONCRETE	1989	W/S STARSHINE, 140' N/O MOONSHADOW	10912034	9500L	-117.229068923	33.9704643229	25	1491962
4064010E	CONCRETE	1989	E/S STARSHINE, 10' S/O DARKSTAR	10912034	9500L	-117.228923118	33.9708125703	25	1491962
4064011E	CONCRETE	1989	S/S DARKSTAR, 150' W/O STARSHINE	10912034	9500L	-117.229539423	33.9708876367	25	1491962
4064012E	CONCRETE	1989	N/S DARKSTAR, 60' W/O DAWN VIEW	10912034	9500L	-117.230164773	33.9710376416	25	1491962
4064024E	CONCRETE	1989	S/S MOONSHADOW, 380' E/O MORNING RIDGE	10912034	9500L	-117.231082025	33.9701387165	25	1491962
4064025E	CONCRETE	1989	W/S MORNING RIDGE, 60' S/O MOONSHADOW	10912034	9500L	-117.232477021	33.9698845758	25	1491962
4064026E	CONCRETE	1989	N/S MOONSHADOW, 135' E/O MORNING RIDGE	10912034	9500L	-117.232020717	33.9701468605	25	1491962
4064027E	CONCRETE	1989	N/S DARKSTAR, 20' E/O MORNING RIDGE	10912034	9500L	-117.232438908	33.9708187618	25	1491962
4064028E	CONCRETE	1989	N/S DARKSTAR, 230' E/O MORNING RIDGE	10912034	9500L	-117.231615731	33.9709511716	25	1491962
4064029E	CONCRETE	1989	S/S DARKSTAR, 460' E/O MORNING RIDGE	10912034	9500L	-117.230970415	33.9709267789	25	1491962
4064031E	CONCRETE	1989	W/S MORNING RIDGE, 140' N/O MOONSHADOW	10912034	9500L	-117.232546641	33.9703539979	25	1491962
4056024E	CONCRETE	1988	CANYON VISTA RD. N/S 165' W/O PERRIS	10912034	9500L	-117.233893289	33.9727431223	25	1491962
4064013E	CONCRETE	1989	W/S DAWN VIEW, 170' N/O DARKSTAR	10912034	9500L	-117.230068337	33.9714310226	25	1491962
4064014E	CONCRETE	1989	E/S STARSHINE, 190' N/O DARKSTAR	10912034	9500L	-117.228948914	33.9712797179	25	1491962
4064015E	CONCRETE	1989	W/S STARSHINE, 390' N/O DARKSTAR	10912034	9500L	-117.229079791	33.9719039994	25	1491962
4003211E	CONCRETE	1987	PERRIS BL W/S, 695' N/O SUNNYMEAD RANCH PK	10912034	22000L	-117.233345345	33.9699802108	29	1491960
4064020E	CONCRETE	1989	E/S PERRIS BLVD., 840' N/O COVEY	10912034	22000L	-117.233276410	33.9704551959	29	1491960
4056026E	CONCRETE	1988	PERRIS W/S 750' S/O CANYON VISTA RD.	10912034	22000L	-117.233541243	33.9716180912	29	1491960
4056027E	CONCRETE	1988	PERRIS W/S 200' S/O CANYON VISTA RD.	10912034	22000L	-117.233556528	33.9721734878	29	1491960
4056028E	CONCRETE	1988	PERRIS W/S 350' N/O CANYON VISTA RD.	10912034	22000L	-117.233330397	33.9737429484	29	1491960
4056029E	CONCRETE	1988	PERRIS W/S 750' N/O CANYON VISTA RD.	10912034	22000L	-117.233078231	33.9747416290	29	1491960
4480782E	CONCRETE	2008	PERRIS W/S 950' S/O CANYON VISTA RD.	10912034	22000L	-117.233509677	33.9709832589	29	1491960
2361346E	CONCRETE	1990	S/S COUNTRY CREST, 230' E/O BELCANTO	10932022	9500L	-117.267918711	33.9767384129	25	1491962
4062827E	CONCRETE	1989	HIDDEN SPRINGS RD W/S, 3125' N/O COUNTRY G	10932022	9500L	-117.266716162	33.9761219875	25	1491962
4062829E	CONCRETE	1989	HIDDEN SPRINGS RD W/S, 3537' N/O COUNTRY G	10932022	9500L	-117.267150652	33.9772347026	25	1491962
4114694E	CONCRETE	1990	E/S BELCANTO, 40' N/O MORALIA	10932022	9500L	-117.268957337	33.9761937976	25	1491962
4114695E	CONCRETE	1990	S/S MORALIA, 270' E/O BELCANTO	10932022	9500L	-117.268290695	33.9758795053	25	1491962
4114696E	CONCRETE	1990	N/S MORALIA, 20' W/O CARTAGENA	10932022	9500L	-117.267214505	33.9760419607	25	1491962
4114697E	CONCRETE	1990	W/S CARTAGENA, 180' S/O MORALIA	10932022	9500L	-117.267185918	33.9754798953	25	1491962
4114698E	CONCRETE	1990	E/S CARTAGENA, 350' S/O MORALIA	10932022	9500L	-117.267265127	33.9749771923	25	1491962
4162025E	CONCRETE	1991	DELCRESTA DR. E/S, 125 S/O C/L BELCANTO DR.	10932022	9500L	-117.270904345	33.9746998167	25	1491962
4162029E	CONCRETE	1991	S/W C/O BELCANTO DR. & MIRACANTO WY.	10932022	9500L	-117.270092184	33.9750991379	25	1491962
4162030E	CONCRETE	1991	MIRACANTO WY. E/S, 245' S/O C/L BELCANTO DR	10932022	9500L	-117.269712675	33.9745992823	25	1491962
4162031E	CONCRETE	1991	MIRACANTO WY. W/S, 455' S/O C/L MORALIA DR	10932022	9500L	-117.269098179	33.9747973157	25	1491962
4162032E	CONCRETE	1991	MIRACANTO WY. E/S, 275' S/O C/L MORALIA DR.	10932022	9500L	-117.268313814	33.9751544483	25	1491962
4162033E	CONCRETE	1991	BELCANTO DR. W/S, 250' N/O C/L MIRACANTO W	10932022	9500L	-117.269511835	33.9755078605	25	1491962
4030184E	CONCRETE	1989	N/S SYCAMORE CANYON, 60' E/O DEERCREEK	10932022	9500L	-117.264571573	33.9763851023	25	1491962
4057943E	CONCRETE	1989	W/S DEERCREEK, 600' N/O SYCAMORE CANYON	10932022	9500L	-117.265123688	33.9778193142	25	1491962
4057944E	CONCRETE	1989	E/S DEERCREEK, 420' N/O SYCAMORE CANYON	10932022	9500L	-117.264804881	33.9775251794	25	1491962
4057945E	CONCRETE	1989	W/S DEERCREEK, 140' N/O SYCAMORE CANYON	10932022	9500L	-117.264761567	33.9770028081	25	1491962
4057946E	CONCRETE	1989	W/S SYCAMORE CANYON, 250' S/O DEERCREEK	10932022	9500L	-117.266082889	33.9780989879	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4057947E	CONCRETE	1989	E/S SYCAMORE CANYON, 450' S/O DEERCREEK	10932022	9500L	-117.265804536	33.9776348244	25	1491962
4057948E	CONCRETE	1989	W/S SYCAMORE CANYON, 400' W/O DEERCREEK	10932022	9500L	-117.265824568	33.9773100160	25	1491962
4057949E	CONCRETE	1989	E/S SYCAMORE CANYON, 175' W/O DEERCREEK	10932022	9500L	-117.265332346	33.9767126161	25	1491962
4062825E	CONCRETE	1989	HIDDEN SPRINGS RD W/S, 2749' N/O COUNTRY G	10932022	9500L	-117.266637104	33.9751201972	25	1491962
4062962E	CONCRETE	1989	MESA SPRINGS WY N/S, 150' E/O IVY SPRINGS	10932022	9500L	-117.265669932	33.9747082240	25	1491962
4062963E	CONCRETE	1989	MESA SPRINGS WY S/S, 15' E/O IVY SPRINGS	10932022	9500L	-117.266110983	33.9748573298	25	1491962
4062964E	CONCRETE	1989	IVY SPRINGS N/S, 190' N/O MESA SPRINGS WY	10932022	9500L	-117.265742996	33.9752811841	25	1491962
2361344E	CONCRETE	1990	N/S COUNTRY CREST, 510' W/O BELACANTO	10932022	9500L	-117.269702628	33.9777842681	25	1491962
2361345E	CONCRETE	1990	S/S COUNTRY CREST, 220' W/O BELACANTO	10932022	9500L	-117.269285320	33.9771995700	25	1491962
4062831E	CONCRETE	1989	HIDDEN SPRINGS RD W/S, 3941' N/O COUNTRY G	10932022	9500L	-117.267266438	33.9778440346	25	1491962
4062832E	CONCRETE	1989	HIDDEN SPRINGS RD E/S, 4142' N/O COUNTRY GA	10932022	9500L	-117.267217171	33.9784220310	25	1491962
4062833E	CONCRETE	1989	HIDDEN SPRINGS RD W/S, 4360' N/O COUNTRY G	10932022	9500L	-117.267874102	33.9794173482	25	1491962
4062834E	CONCRETE	1989	HIDDEN SPRINGS RD E/S, 4534' N/O COUNTRY GA	10932022	9500L	-117.267752262	33.9798119009	25	1491962
4062836E	CONCRETE	1989	HIDDEN SPRINGS RD E/S, 4902' N/O COUNTRY GA	10932022	9500L	-117.267598023	33.9791929831	25	1491962
4112901E	CONCRETE	1990	NORTH END OF CROSS CREEK	10932022	9500L	-117.270509858	33.9784198232	25	1491962
4112902E	CONCRETE	1990	S/S COUNTRY CREST, 5' E/O CROSS CREEK	10932022	9500L	-117.270485504	33.9779524930	25	1491962
4112903E	CONCRETE	1990	N/S COUNTRY CREST, 200' W/O CROSS CREEK	10932022	9500L	-117.271135110	33.9779000859	25	1491962
4112904E	CONCRETE	1990	S/S COUNTRY CREST, 110' E/O MONTEJO	10932022	9500L	-117.271855152	33.9778456811	25	1491962
4112905E	CONCRETE	1990	W/S MONTEJO, 220' S/O COUNTRY CREST	10932022	9500L	-117.272584616	33.9776297094	25	1491962
4112906E	CONCRETE	1990	E/S COUNTRY CREST, 130' N/O MONTEJO	10932022	9500L	-117.272399908	33.9783816348	25	1491962
4112907E	CONCRETE	1990	W/S COUNTRY CREST, 50' S/O SUNNYBROOK	10932022	9500L	-117.272744103	33.9785870828	25	1491962
4112908E	CONCRETE	1990	N/S SUNNYBROOK, 100' N/O COUNTRY CREST	10932022	9500L	-117.272552893	33.9790256580	25	1491962
4112910E	CONCRETE	1990	S/S SUNNYBROOK, 210' S/O RIDGEWATER	10932022	9500L	-117.272111019	33.9793588165	25	1491962
4112911E	CONCRETE	1990	N/S SUNNYBROOK, 10' N/O RIDGEWATER	10932022	9500L	-117.271652882	33.9797618246	25	1491962
4112912E	CONCRETE	1990	S/S RIDGEWATER, 40' W/O BIG CREEK	10932022	9500L	-117.271276782	33.9793867351	25	1491962
4112913E	CONCRETE	1990	E/S BIG CREEK, 260' S/O RIDGEWATER	10932022	9500L	-117.271377310	33.9788120263	25	1491962
4112914E	CONCRETE	1990	N/S RIDGEWATER, 120' E/O BIG CREEK	10932022	9500L	-117.270666961	33.9793583739	25	1491962
4112915E	CONCRETE	1990	EAST END OF RIDGEWATER	10932022	9500L	-117.270059479	33.9791737916	25	1491962
4151607E	CONCRETE	1990	GREENRIDGE S/S, 203' W/O C/L HIDDEN SPRINGS	10932022	9500L	-117.268599372	33.9795344135	25	1491962
4056159E	CONCRETE	1989	W/S SYCAMORE CANYON, 140' N/O BEAVER CREEK	10932022	9500L	-117.266309322	33.9799217972	25	1491962
4056160E	CONCRETE	1989	N/S BEAVER CREEK, 230' E/O SYCAMORE CANYON	10932022	9500L	-117.265481189	33.9795002410	25	1491962
4056161E	CONCRETE	1989	E/S SYCAMORE CANYON, 60' S/O BEAVER CREEK	10932022	9500L	-117.266101931	33.9793399566	25	1491962
4057939E	CONCRETE	1989	W/S SYCAMORE CANYON, 90' N/O DEERCREEK	10932022	9500L	-117.266204536	33.9790295356	25	1491962
4057940E	CONCRETE	1989	E/S SYCAMORE CANYON, 50' S/O DEERCREEK	10932022	9500L	-117.266074439	33.9786476021	25	1491962
4057941E	CONCRETE	1989	N/S DEERCREEK, 220' E/O SYCAMORE CANYON	10932022	9500L	-117.265334128	33.9787879455	25	1491962
4057942E	CONCRETE	1989	E/S DEERCREEK, 780' N/O SYCAMORE CANYON	10932022	9500L	-117.265108560	33.9783280954	25	1491962
4113784E	CONCRETE	1989	PEBBLE BROOK DR 250' N/O SHADOW SPGS DR	10932022	9500L	-117.264578424	33.9798702978	25	1491962
4162516E	CONCRETE	1995	ALTABRISA WY E/S 210' S/O BELLCANTO	10932022	9500L	-117.271878274	33.9745695885	25	1491960
4162517E	CONCRETE	1995	BELCANTO S/S 50' E/O ALTABRISTA WY	10932022	9500L	-117.271755350	33.9751381417	25	1491960
4162518E	CONCRETE	1995	BELCANTO N/S 300' E/O ALTABRISTA WY	10932022	9500L	-117.270772528	33.9752124307	25	1491960
4162519E	CONCRETE	1995	MORALIA DR S/S 180' W/O BELLCANTO DR	10932022	9500L	-117.269689739	33.9763330691	25	1491960
4442131E	CONCRETE	2001	HIDDEN SPRINGS DR E/S, 2943' N/O COUNTRY GA	10932022	9500L	-117.266409723	33.9755410644	25	1491962
4062828E	CONCRETE	1989	HIDDEN SPRINGS DR E/S, 3334' N/O COUNTRY GA	10932022	9500L	-117.266922720	33.9769818862	25	1491962
4062830E	CONCRETE	1989	HIDDEN SPRINGS RD E/S, 3741' N/O COUNTRY GA	10932022	9500L	-117.267045176	33.9776910107	25	1491962
4030185E	CONCRETE	1989	S/S SYCAMORE CANYON, 210' E/O DEERCREEK	10932025	9500L	-117.264028090	33.9761870383	25	1491962
4062038E	CONCRETE	1989	W/S WATERFALL, 165' N/O SYCAMORE CANYON	10932025	9500L	-117.263588100	33.9767080322	25	1491962
4062039E	CONCRETE	1989	E/S WATERFALL, 345' N/O SYCAMORE CANYON	10932025	9500L	-117.263411274	33.9770897702	25	1491962
4062040E	CONCRETE	1989	NORTH END OF WATERFALL	10932025	9500L	-117.263617253	33.9776323670	25	1491962
4112714E	CONCRETE	1989	N/S SYCAMORE CANYON, 170' W/O SPRINGBROO	10932025	9500L	-117.263392694	33.9761842058	25	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4112715E	CONCRETE	1989	W/S SPRINGBROOK, 235' S/O SYCAMORE CANYON	10932025	9500L	-117.263129253	33.9754950789	25	1491962
4112716E	CONCRETE	1989	SOUTH END OF SPRINGBROOK	10932025	9500L	-117.263243435	33.9748874150	25	1491962
4112717E	CONCRETE	1989	S/S SYCAMORE CANYON, 50' E/O SPRINGBROOK	10932025	9500L	-117.262811402	33.9759149147	25	1491962
4112719E	CONCRETE	1989	E/S SYCAMORE CANYON, 335' E/O SPRINGBROOK	10932025	9500L	-117.262237331	33.9754936428	25	1491962
4112720E	CONCRETE	1989	W/S SYCAMORE CANYON, 190' N/O LAKESIDE	10932025	9500L	-117.262291037	33.9747414921	25	1491962
4113797E	CONCRETE	1989	W/S SPRINGBROOK, 250' S/O PEBBLEBROOK	10932025	9500L	-117.262252110	33.9772434782	25	1491962
4113799E	CONCRETE	1989	E/S SPGRINBROOK, 300' N/O SYCAMORE CANYON	10932025	9500L	-117.262367976	33.9767115667	25	1491962
4113800E	CONCRETE	1989	W/S SPRINGBROOK, 130' N/O SYCAMORE CANYON	10932025	9500L	-117.262843994	33.9763867647	25	1491962
4113691E	CONCRETE	1989	EAST END OF PRESCOTT	10932025	9500L	-117.255566161	33.9751395455	25	1491962
4113692E	CONCRETE	1989	E/S ARROW LEAF, 35' N/O PRESCOTT	10932025	9500L	-117.255866852	33.9750875668	25	1491962
4113694E	CONCRETE	1990	E/S SAND CREST, 200' N/O EVENING SNOW	10932025	9500L	-117.254485294	33.9749010671	25	1491962
4113695E	CONCRETE	1990	W/S SAND CREST, 350' N/O EVENING SNOW	10932025	9500L	-117.254572540	33.9753432208	25	1491962
4056780E	CONCRETE	1989	EAST END OF BLUSHINGBRANCH	10932025	9500L	-117.262957763	33.9790677615	25	1491962
4056781E	CONCRETE	1989	E/S PEBBLEBROOK, 20' N/O BLUSHINGBRANCH	10932025	9500L	-117.263514889	33.9787888137	25	1491962
4056782E	CONCRETE	1989	W/S PEBBLEBROOK, 200' N/O BLUSHINGBRANCH	10932025	9500L	-117.263941584	33.9790667847	25	1491962
4056783E	CONCRETE	1989	PEBBLE BROOK DR 120' N/O SHADOW SPGS DR	10932025	9500L	-117.264271970	33.9796317209	25	1491962
4113771E	CONCRETE	1989	SHADOW SPGS DR 50' N/O BROOKHOLLOW WY	10932025	9500L	-117.263131576	33.9798327620	25	1491962
4113774E	CONCRETE	1989	NE COR OF SHADOW SPGS AND RIPPLE CRK DR	10932025	9500L	-117.263381630	33.9797281040	25	1491962
4113775E	CONCRETE	1989	SHADOW SPGS DR 100' SW/O RIPPLE CRK DR	10932025	9500L	-117.263501255	33.9794569931	25	1491962
4113790E	CONCRETE	1989	W/S PEBBLEBROOK, 200' S/O BLUSHINGBRANCH	10932025	9500L	-117.263214873	33.9782178811	25	1491962
4113791E	CONCRETE	1989	N/S PEBBLEBROOK, 160' W/O SPRINGBROOK	10932025	9500L	-117.262719506	33.9780122816	25	1491962
4113792E	CONCRETE	1989	W/S SPRINGBROOK, 170' N/O PEBBLEBROOK	10932025	9500L	-117.262220250	33.9783728018	25	1491962
4113793E	CONCRETE	1989	NORTH END OF SPRINGBROOK	10932025	9500L	-117.262203206	33.9787646469	25	1491962
4113796E	CONCRETE	1989	E/S SPRINGBROOK, 45' S/O PEBBLEBROOK	10932025	9500L	-117.262111213	33.9777272009	25	1491962
4113693E	CONCRETE	1989	NORTH END OF ARROW LEAF	10932025	9500L	-117.256345122	33.9754298199	25	1491962
4462112E	CONCRETE	2002	PRESIDIO HILLS DR S/S,65' E/O PIGEON PASS	10932025	9500L	-117.261277509	33.9773873701	27	1491962
4462113E	CONCRETE	2002	PRESIDIO HILLS DR N/S,40' E/O VIA MONTARA	10932025	9500L	-117.259695558	33.9774845247	27	1491962
4462114E	CONCRETE	2002	PRESIDIO HILLS DR N/S,170' E/O VIA MONTARA	10932025	9500L	-117.259312346	33.9774938881	27	1491962
4462115E	CONCRETE	2002	PRESIDIO HILLS DR N/S,260' E/O VIA MONTARA	10932025	9500L	-117.259030518	33.9775395213	27	1491962
4462116E	CONCRETE	2002	PRESIDIO HILLS DR N/S,320' E/O VIA MONTARA	10932025	9500L	-117.258714392	33.9775886234	27	1491962
4462117E	CONCRETE	2002	PRESIDIO HILLS DR N/S,460' E/O VIA MONTARA	10932025	9500L	-117.258359863	33.9776867095	27	1491962
4462202E	CONCRETE	2002	SUNNYMEAD RANCH PKWY N/S,515' W/O VIA DE	10932025	22000L	-117.259375924	33.9756338704	32	1491962
4462203E	CONCRETE	2002	SUNNYMEAD RANCH PKWY N/S, 410'E/O PIGEON	10932025	22000L	-117.260132682	33.9756425116	32	1491962
4462204E	CONCRETE	2002	SUNNYMEAD RANCH PKWY N/S,240' E/O PIGEON	10932025	22000L	-117.260704113	33.9756286196	32	1491962
4462205E	CONCRETE	2002	PIGEON PASS RD E/S,55' N/O SUNNYMEAD RANCH	10932025	22000L	-117.261422212	33.9756775543	32	1491962
4462206E	CONCRETE	2002	PIGEON PASS RD E/S,240' N/O SUNNYMEAD RANCH	10932025	22000L	-117.261417618	33.9762918242	32	1491962
4462207E	CONCRETE	2002	PIGEON PASS RD E/S,260' S/O PRESIDIO HILLS DR	10932025	22000L	-117.261441402	33.9767437025	32	1491962
4462208E	CONCRETE	2002	PIGEON PASS RD E/S,75' S/O PRESIDIO HILLS DR	10932025	22000L	-117.261456727	33.9772610529	32	1491962
4462209E	CONCRETE	2002	PIGEON PASS RD E/S,75' N/O PRESIDIO HILLS DR	10932025	22000L	-117.261427607	33.9776738615	32	1491962
4462210E	CONCRETE	2002	VIA DEL NORTE W/S,50' S/O MONTALVO RD	10932025	9500L	-117.257531564	33.9759139783	27	1491962
4462211E	CONCRETE	2002	VIA DEL NORTE E/S,40' N/O MONTALVO RD	10932025	9500L	-117.257383303	33.9761632344	27	1491962
4462212E	CONCRETE	2002	MONTALVO RD N/S,140' W/O VIA DEL NORTE	10932025	9500L	-117.257803439	33.9761194134	27	1491962
4462213E	CONCRETE	2002	MONTALVO RD S/S,120' E/O CAMBRIA CIR	10932025	9500L	-117.258586811	33.9760306168	27	1491962
4462214E	CONCRETE	2002	CAMBRIA CIR E/S,40' N/O MONTALVO RD	10932025	9500L	-117.258906582	33.9762359566	27	1491962
4462215E	CONCRETE	2002	CAMBRIA CIR W/S,250' N/O MONTALVO RD	10932025	9500L	-117.259011239	33.9767712123	27	1491962
4462216E	CONCRETE	2002	MONTALVO RD N/S,70' W/O CAMBRIA CIR	10932025	9500L	-117.259267153	33.9761074756	27	1491962
4462217E	CONCRETE	2002	MONTALVO RD S/S,10' W/O VIA MONTARA	10932025	9500L	-117.259907324	33.9760213038	27	1491962
4462218E	CONCRETE	2002	MONTALVO RD S/S, 228' W/D VIA MONTARA	10932025	9500L	-117.260684800	33.9760103717	27	1491962
4462219E	CONCRETE	2002	VIA MONTARA E/S,130' S/O COTATI CT	10932025	9500L	-117.259783504	33.9765887723	27	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4462220E	CONCRETE	2002	COTATI CT N/S,40' W/O VIA MONTARA	10932025	9500L	-117.260010556	33.9769392709	27	1491962
4462221E	CONCRETE	2002	COTATI CT S/S,260' W/O VIA MONTARA	10932025	9500L	-117.260603598	33.9768439107	27	1491962
4462222E	CONCRETE	2002	VIA MONTARA W/S,90' N/O COTATI CT	10932025	9500L	-117.259793786	33.9770900163	27	1491962
4462223E	CONCRETE	2002	PRESIDIO HILLS DR S/S,45' W/O VIA MONTARA	10932025	9500L	-117.259705929	33.9773739915	27	1491962
4462224E	CONCRETE	2002	PRESIDIO HILLS DR S/S,160' W/O VIA MONTARA	10932025	9500L	-117.260283521	33.9773939783	27	1491962
4462225E	CONCRETE	2002	PRESIDIO HILLS DR S/S,230' E/O PIGEON PASS	10932025	9500L	-117.260632034	33.9773948734	27	1491962
4463353E	CONCRETE	2002	VIA DEL NORTE W/S 40' N/O SUNNYMEAD RANCH	10932025	9500L	-117.257706622	33.9755286609	27	1491962
4462226E	CONCRETE	2002	PRESIDIO HILLS DR W/S,45' S/O VIA MORAGA	10932025	9500L	-117.259924579	33.9778621942	27	1491962
4462227E	CONCRETE	2002	VIA MORAGA N/S,135' W/O VIA MONTARA	10932025	9500L	-117.260317607	33.9779880998	27	1491962
4462228E	CONCRETE	2002	TAMALPAIS PL W/S,70' N/O VIA MORAGA	10932025	9500L	-117.260906007	33.9782106721	27	1491962
4462229E	CONCRETE	2002	TAMALPAIS PL E/S,210' N/O VIA MORAGA	10932025	9500L	-117.260751914	33.9786370610	27	1491962
4462230E	CONCRETE	2002	VIA MONTARA E/S,150' N/O VIA MORAGA	10932025	9500L	-117.259796163	33.9782977893	27	1491962
4462231E	CONCRETE	2002	VIA MONTARA E/S,340' N/O VIA MORAGA	10932025	9500L	-117.259837969	33.9787364104	27	1491962
4462232E	CONCRETE	2002	CASMALIA CT E/S,430' N/O PRESIDIO HILLS DR	10932025	9500L	-117.258867576	33.9787236616	27	1491962
4462233E	CONCRETE	2002	CASMALIA CT E/S,230' N/O PRESIDIO HILLS DR	10932025	9500L	-117.258855525	33.9781720164	27	1491962
4462235E	CONCRETE	2002	PIGEON PASS RD E/S,330' N/O PRESIDIO HILLS DR	10932025	22000L	-117.261430716	33.9782598719	32	1491962
4462111E	CONCRETE	2002	PRESIDIO HILLS DR S/S,150' E/O PIGEON PASS	10932025	9500L	-117.260965622	33.9773866652	27	1491962
4462201E	CONCRETE	2002	SUNNYMEAD RANCH PKWY N/S,280' W/O VIA DEL NORTE	10932025	22000L	-117.258489987	33.9755789940	32	1491962
4462236E	CONCRETE	2002	PASATIEMPO PL W/S,310' N/O MONTALVO RD	10932025	9500L	-117.258098273	33.9768459739	27	1491962
4462237E	CONCRETE	2002	PASATIEMPO PL W/S,105' N/O MONTALVO RD	10932025	9500L	-117.258122948	33.9763874238	27	1491962
4462238E	CONCRETE	2002	VIA DEL NORTE E/S,230' N/O MONTALVO RD	10932025	9500L	-117.257390082	33.9766225463	27	1491962
4462239E	CONCRETE	2002	MONTALVO RD N/S,130' W/O PASEO CORRALITO	10932025	9500L	-117.256812949	33.9760308634	27	1491962
4462240E	CONCRETE	2002	MONTALVO RD N/S,50' W/O PASEO CORRALITO	10932025	9500L	-117.256310658	33.9759789173	27	1491962
4462241E	CONCRETE	2002	MONTALVO RD S/S,116' E/O PASEO CORRALITO	10932025	9500L	-117.255982778	33.9758761006	27	1491962
4462242E	CONCRETE	2002	PASEO CORRALITO E/S,105' N/O MONTALVO RD	10932025	9500L	-117.256367440	33.9763766113	27	1491962
4462243E	CONCRETE	2002	PASEO CORRALITO,310' N/O MONTALVO RD	10932025	9500L	-117.256417941	33.9767821675	27	1491962
4462244E	CONCRETE	2002	PRESIDIO HILLS DR S/S,460' E/O VIA DEL NORTE	10932025	9500L	-117.256173676	33.9771462986	27	1491962
4462245E	CONCRETE	2002	PRESIDIO HILLS DR N/S,280' E/O VIA DEL NORTE	10932025	9500L	-117.256597282	33.9773647169	27	1491962
4462246E	CONCRETE	2002	PRESIDIO HILLS DR N/S,45' E/O VIA DEL NORTE	10932025	9500L	-117.257109188	33.9775305337	27	1491962
4462247E	CONCRETE	2002	VIA DEL NORTE E/S,45' S/O PRESIDIO HILLS DR	10932025	9500L	-117.257181470	33.9774151727	27	1491962
4462248E	CONCRETE	2002	PRESIDIO HILLS DR N/S,140' W/O VIA DEL NORTE	10932025	9500L	-117.257747892	33.9776872294	27	1491962
4498374E	CONCRETE	2003	SOFA CT W/S, 44' N/O MONTALVO RD	10932025	9500L	-117.255496867	33.9759973979	27	1491962
4498375E	CONCRETE	2003	MONTALVO RD S/S, 1' E/O ESPADA CREEK RD	10932025	9500L	-117.254739329	33.9758606293	27	1491962
4493137E	CONCRETE	2004	SUNNYMEAD RCH. PKY.S/S, 710' W/O VIA PORTO	10932025	22000L	-117.259293374	33.9755312781	32	1491960
4493138E	CONCRETE	2004	SUNNYMEAD RCH. PKY. S/S, 360' W/O VIA PORTO	10932025	22000L	-117.258123089	33.9754276075	32	1491960
4493143E	CONCRETE	2004	SUNNYMEAD RCH. PKY. S/S, 67' W/O VIA PORTO	10932025	22000L	-117.257262860	33.9750835443	32	1491960
4498845E	CONCRETE	2004	SHADOW MOUNTAIN DR W/S, 149' N/O PRESIDIO HILLS DR	10932025	9500L	-117.255917177	33.9777332502	27	1491962
4498846E	CONCRETE	2004	SHADOW MOUNTAIN DR E/S, 361' S/O LAWLESS RD	10932025	9500L	-117.255798320	33.9783233451	27	1491962
4498847E	CONCRETE	2004	SHADOW MOUNTAIN DR W/S, 190' S/O LAWLESS RD	10932025	9500L	-117.255908059	33.9787892941	27	1491962
4498848E	CONCRETE	2004	LAWLESS RD S/S, 41' W/O SHADOW MOUNTAIN DR	10932025	9500L	-117.255953258	33.9792224347	27	1491962
4498849E	CONCRETE	2004	LAWLESS RD S/S, 204' E/O SHADOW MOUNTAIN DR	10932025	9500L	-117.255259780	33.9791846270	27	1491962
4518539E	CONCRETE	2004	VIA PESCADERO S/S, 228' W/O VIA INDIGO	10932025	9500L	-117.258776924	33.9749626795	27	1491962
4508595E	CONCRETE	2004	ESPADA CREEK RD E/S, 140' S/O PRESIDIO HILLS DR	10932025	9500L	-117.254833694	33.9767103235	27	1491962
4478451E	CONCRETE	2005	ESPADA CREEK RD E/S, 140' S/O VIA SOLANA	10932025	9500L	-117.254732944	33.9777715945	27	1491962
4478452E	CONCRETE	2005	ESPADA CREEK RD E/S, 45' N/O VIA SOLANA	10932025	9500L	-117.254705798	33.9770956664	27	1491962
4478453E	CONCRETE	2005	ESPADA CREEK RD W/S, 43' S/O LAWLESS RD	10932025	9500L	-117.254754825	33.9789690473	27	1491962
4533423E	CONCRETE	2005	PIGEON PASS RD E/S,530' N/O PRESIDIO HILLS DR	10932025	22000L	-117.261463376	33.9786564052	31	1491962
4761757E	CONCRETE	2010	W/S OF PIGEON PASS RD 278' S/O LAWLESS RD	10932025	22000L	-117.261590946	33.9786198537	32	1491962
4761714E	CONCRETE	2010	W/S PIGEON PASS, BACK OF LOT 23\24	10932025	22000L	-117.261618618	33.9768176697	32	1491962



Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4761759E	CONCRETE	2010	W/S PIGEON PASS 135' N/O PRESIDIO	10932025	22000L	-117.261554975	33.9776941011	32	1491962
4761763E	CONCRETE	2010	W/S PIGEON PASS 100' S/O SUNNYMEAD RANCH	10932025	22000L	-117.261581970	33.9753082408	32	1491962
4718159E	CONCRETE	2008	DEVILLE DR E/S, 7' N/O SIENNA WY	10932025	9500L	-117.259754913	33.9750763806	27	1491962
4718165E	CONCRETE	2008	SIENNA WY N/S, 10' W/O CAPRICE WY	10932025	9500L	-117.261029408	33.9750499783	27	1491962
4718166E	CONCRETE	2008	SIENNA WY N/S, 171' W/O DEVILLE DR	10932025	9500L	-117.260352899	33.9750955373	27	1491962
4718167E	CONCRETE	2008	SUNNYMEAD RANCH PKWY S/S, 75' W/O DEVILLE	10932025	22000L	-117.260057551	33.9755399702	27	1491960
4718168E	CONCRETE	2008	SUNNYMEAD RANCH PKWY S/S, 243' E/O PIGEON	10932025	22000L	-117.260646523	33.9755570652	27	1491960
4718169E	CONCRETE	2008	SUNNYMEAD RANCH PKWY S/S, 80' E/O PIGEON P	10932025	22000L	-117.261268659	33.9755454594	27	1491960
4718170E	CONCRETE	2008	PIGEON PASS RD E/S, 221' S/O SUNNYMEAD RAN	10932025	22000L	-117.261433692	33.9749572994	32	1491960
4113689E	CONCRETE	1989	E/S SUNNYMEAD RANCH PARKWAY, 805' N/O LA	10932025	22000L	-117.257548900	33.9753636988	29	1491960
4759301E	CONCRETE	2010	E/S PIGEON PASS RD., 78' S/O LAWLESS RD.	10932025	22000L	-117.261453365	33.9790218547	32	1491960
4759302E	CONCRETE	2010	E/S PIGEON PASS RD., 100' N/O SUNNYMEAD RA	10932025	22000L	-117.261413065	33.9758862479	32	1491960
4759303E	CONCRETE	2010	E/S PIGEON PASS RD., 100' S/O SUNNYMEAD RAN	10932025	22000L	-117.261429042	33.9753133856	32	1491960
4761755E	CONCRETE	2010	W/S PIGEON PASS RD., 62' N.O LAWLESS RD.	10932025	22000L	-117.261595797	33.9793565513	32	1491960
4761756E	CONCRETE	2010	W/S PIGEON PASS RD., 78' S/O LAWLESS RD.	10932025	22000L	-117.261586729	33.9790240477	32	1491960
4761758E	CONCRETE	2010	W/S PIGEON PASS RD., 478' N/O LAWLESS RD.	10932025	22000L	-117.261579493	33.9782616515	32	1491960
4761760E	CONCRETE	2010	W/S PIGEON PASS RD., 55' S/O PRESIDIO HILLS DR	10932025	22000L	-117.261581629	33.9773458263	32	1491960
4761761E	CONCRETE	2010	W/S PIGEON PASS RD., 395' S/O PRESIDIO HILLS D	10932025	22000L	-117.261577211	33.9763553648	32	1491960
4761762E	CONCRETE	2010	W/S PIGEON PASS RD., 100' S/O SUNNYMEAD RA	10932025	22000L	-117.261573673	33.9758508140	32	1491960
4761764E	CONCRETE	2010	W/S PIGEON PASS RD., 220' S/O SUNNYMEAD RA	10932025	22000L	-117.261581181	33.9750096455	32	1491960
4062037E	CONCRETE	1989	NORTH END OF THORNBIRD	10932028	9500L	-117.250581953	33.9750612101	25	1491962
4062049E	CONCRETE	1990	E/S DESERT MALLOW, 160' N/O EVENING SNOW	10932028	9500L	-117.251604246	33.9749483259	25	1491962
4062050E	CONCRETE	1990	W/S DESERT MALLOW, 330' N/O EVENING SNOW	10932028	9500L	-117.251621270	33.9752800624	25	1491962
4113452E	CONCRETE	1989	N/S LAKE VISTA, 200' E/O DEEP CANYON	10932028	9500L	-117.248891075	33.9752589778	25	1491962
4113454E	CONCRETE	1989	W/S DEEP CANYON, 30' S/O YELLOWBILL	10932028	9500L	-117.249665473	33.9750716207	25	1491962
4113455E	CONCRETE	1989	W/S SNIPE, 40' S/O YELLOWBILL	10932028	9500L	-117.248716149	33.9750489838	25	1491962
4113457E	CONCRETE	1989	S/S YELLOWBILL, 140' E/O SNIPE	10932028	9500L	-117.248069181	33.9751473976	25	1491962
4113458E	CONCRETE	1989	N/S YELLOWBILL, 375' E/O SNIPE	10932028	9500L	-117.247368544	33.9752981543	25	1491962
4113459E	CONCRETE	1989	S/S YELLOWBILL, 50' W/O MALLOW	10932028	9500L	-117.246880641	33.9752255328	25	1491962
4113697E	CONCRETE	1990	NORTH END OF THUNDERHEAD	10932028	9500L	-117.253556012	33.9751554185	25	1491962
4113699E	CONCRETE	1990	NORTH END ROCK HILL	10932028	9500L	-117.252537987	33.9751606945	25	1491962
4113472E	CONCRETE	1989	EAST END OF SOLITARE	10932028	9500L	-117.245543868	33.9751577227	25	1491962
4508637E	CONCRETE	2004	CAMINO DEL CORONADO W/S, 47' S/O VIA SOLAN	10932028	9500L	-117.251388584	33.9780862593	27	1491962
4508638E	CONCRETE	2004	CAMINO DEL CORONADO E/S, 224' S/O VIA SOLAN	10932028	9500L	-117.251255244	33.9776278883	27	1491962
4508639E	CONCRETE	2004	CAMINO DEL CORONADO E/S, 137' S/O PRESIDIO	10932028	9500L	-117.251137710	33.9765984580	27	1491962
4508640E	CONCRETE	2004	DESCANSO RD N/S, 593' W/O CAMINO DEL CORO	10932028	9500L	-117.252723367	33.9759659105	27	1491962
4508641E	CONCRETE	2004	DESCANSO RD N/S, 315' W/O CAMINO DEL CORO	10932028	9500L	-117.252060189	33.9759891521	27	1491962
4508642E	CONCRETE	2004	DESCANSO RD S/S, 64' W/O CAMINO DEL CORON	10932028	9500L	-117.251320038	33.9758956180	27	1491962
4508643E	CONCRETE	2004	DESCANSO RD S/S, 202' E/O CAMINO DEL CORON	10932028	9500L	-117.250494751	33.9758895240	27	1491962
4508644E	CONCRETE	2004	DESCANSO RD N/S, 415' E/O CAMINO DEL CORON	10932028	9500L	-117.249908075	33.9760038462	27	1491962
4508645E	CONCRETE	2004	DESCANSO RD S/S, 650' E/O CAMINO DEL CORON	10932028	9500L	-117.249390000	33.9759164569	27	1491962
4428223E	CONCRETE	2004	LAWLESS RD N/S; 212' E/O ESPADA CREEK RD	10932028	9500L	-117.254096501	33.9790662124	27	1491960
4428224E	CONCRETE	2004	LAWLESS RD S/S; 404' E/O ESPADA CREEK RD	10932028	9500L	-117.253581472	33.9789594655	27	1491960
4508594E	CONCRETE	2004	MONTALVO RD N/S, 251' E/O ESPADA CREEK RD	10932028	9500L	-117.253921532	33.9759818672	27	1491962
4508596E	CONCRETE	2004	PRESIDIO HILLS DR S/S, 2' E/O CORTE	10932028	9500L	-117.254187513	33.9769730249	27	1491962
4508597E	CONCRETE	2004	CORTE MADERA N/S, 168' N/O PRESIDIO HILLS DR	10932028	9500L	-117.254177917	33.9774771991	27	1491962
4508598E	CONCRETE	2004	PRESIDIO HILLS DR N/S, 42' W/O CABAZON	10932028	9500L	-117.253372259	33.9770763307	27	1491962
4508599E	CONCRETE	2004	PRESIDIO HILLS DR S/S, 5' E/O CABAZON	10932028	9500L	-117.253235419	33.9769716439	27	1491962
4508600E	CONCRETE	2004	CABAZON CIR N/S, 169' N/O PRESIDIO HILLS DR	10932028	9500L	-117.253249817	33.9773635855	27	1491962

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4536721E	CONCRETE	2003	PASEO CAYUCO N/S, 171' N/O PRESIDIO HILLS DR	10932028	9500L	-117.252190745	33.9774404164	27	1491962
4536746E	CONCRETE	2003	CAMINO DEL CORONADO W/S, 40' S/O PRESIDIO	10932028	9500L	-117.251269240	33.9768970232	27	1491962
4536747E	CONCRETE	2003	PRESIDIO HILLS DR S/S, 151' E/O CABAZON	10932028	9500L	-117.252786368	33.9769601966	27	1491962
4562572E	CONCRETE	2003	PRESIDIO HILLS DR N/S, 43' E/O PASEO	10932028	9500L	-117.252122083	33.9770461675	27	1491962
4478454E	CONCRETE	2005	VIA SOLANA N/S, 191' E/O ESPADA CREEK RD	10932028	9500L	-117.254226543	33.9781634022	27	1491962
4478455E	CONCRETE	2005	VIA SOLANA S/S, 249' W/O MIRAMONTES CT	10932028	9500L	-117.253412212	33.9780712692	27	1491962
4478456E	CONCRETE	2005	VIA SOLANA N/S, 38' W/O MIRAMONTES CT	10932028	9500L	-117.252695791	33.9782005692	27	1491962
4478457E	CONCRETE	2005	MIRAMONTES CT W/S, 268' N/O VIA SOLANA	10932028	9500L	-117.252449446	33.9787884560	27	1491962
4478458E	CONCRETE	2005	VIA SOLANA S/S, 202' E/O MIRAMONTES CT	10932028	9500L	-117.252008006	33.9781127957	27	1491962
4478459E	CONCRETE	2005	CAMINO DEL CORONADO E/S, 194' N/O VIA SOLA	10932028	9500L	-117.251210655	33.9787320230	27	1491962
2358685E	CONCRETE	1988	HEACOCK ST E/S, 730' N/O RANCH VIEW	10932031	22000L	-117.235512492	33.9752735288	29	1491960
2361325E	CONCRETE	1988	HEACOCK ST E/S, 930' N/O RANCH VIEW	10932031	22000L	-117.234974172	33.9756291929	29	1491960
4056156E	CONCRETE	1989	W/S SYCAMORE CANYON, 120' N/O TURTLE CREEK	10952022	9500L	-117.266749270	33.9807301305	25	1491962
4056151E	CONCRETE	1989	N/S FEATHERBROOK, 60' E/O SYCAMORE CANYON	10952022	9500L	-117.266912163	33.9811836917	25	1491962
4062837E	CONCRETE	1989	HIDDEN SPRINGS RD E/S, 5033' N/O COUNTRY GARDENS	10952022	9500L	-117.267855994	33.9806661908	25	1491962
4062838E	CONCRETE	1989	HIDDEN SPRINGS RD E/S, 5215' N/O COUNTRY GARDENS	10952022	9500L	-117.267738284	33.9802358570	25	1491962
4062839E	CONCRETE	1989	HIDDEN SPRINGS RD N/S, 5400' N/O COUNTRY GARDENS	10952022	9500L	-117.267749147	33.9809869895	25	1491962
4151608E	CONCRETE	1990	GREENRIDGE N/S, 430' W/O C/L HIDDEN SPRINGS	10952022	9500L	-117.269220166	33.9800479139	25	1491962
4151609E	CONCRETE	1990	GREENRIDGE S/S, 637' W/O C/L HIDDEN SPRINGS	10952022	9500L	-117.269761014	33.9800248661	25	1491962
4151610E	CONCRETE	1990	GREENRIDGE N/S, 848' W/O C/L HIDDEN SPRINGS	10952022	9500L	-117.270752462	33.9800254525	25	1491962
4151611E	CONCRETE	1990	S/E C/O GREENRIDGE & SUNNYBROOK, M V	10952022	9500L	-117.271161889	33.9800629238	25	1491962
4151612E	CONCRETE	1990	GREENRIDGE N/S, 1285' W/O C/L HIDDEN SPRINGS	10952022	9500L	-117.271335882	33.9805476933	25	1491962
4056152E	CONCRETE	1989	N/S FEATHERBROOK, 380' E/O SYCAMORE CANYON	10952022	9500L	-117.266221635	33.9816577224	25	1491962
4056153E	CONCRETE	1989	S/S FEATHERBROOK, 170' E/O SYCAMORE CANYON	10952022	9500L	-117.266504167	33.9813942642	25	1491962
4056157E	CONCRETE	1989	NORTH END OF TURTLE CREEK	10952022	9500L	-117.265792361	33.9808949413	25	1491962
4056158E	CONCRETE	1989	E/S SYCAMORE CANYON, 60' S/O TURTLE CREEK	10952022	9500L	-117.266327178	33.9803433786	25	1491962
4062840E	CONCRETE	1989	HIDDEN SPRINGS RD S/S, 5573' N/O COUNTRY GARDENS	10952022	9500L	-117.267199930	33.9817423634	25	1491962
4062842E	CONCRETE	1989	HIDDEN SPRINGS RD S/S, 5892' N/O COUNTRY GARDENS	10952022	9500L	-117.265939168	33.9821566301	25	1491962
4062843E	CONCRETE	1989	HIDDEN SPRINGS RD N/S, 6103' N/O COUNTRY GARDENS	10952022	9500L	-117.264978770	33.9823820873	25	1491962
4113781E	CONCRETE	1989	SE COR OF PEBBLE BROOK DR AND SHADOW SPGS DR	10952022	9500L	-117.264834717	33.9817882884	25	1491962
4113782E	CONCRETE	1989	PEBBLE BROOK DR 250' S/O SHADOW SPGS DR	10952022	9500L	-117.264729551	33.9811815067	25	1491962
4113783E	CONCRETE	1989	PEBBLE BROOK DR 450' N/O SHADOW SPGS DR	10952022	9500L	-117.264717754	33.9803689053	25	1491962
4062841E	CONCRETE	1989	HIDDEN SPRINGS RD N/S, 5743' N/O COUNTRY GARDENS	10952022	9500L	-117.266535149	33.9821286756	25	1491962
4062844E	CONCRETE	1989	HIDDEN SPRINGS RD S/S, 6300' N/O COUNTRY GARDENS	10952025	9500L	-117.264355143	33.9825545852	25	1491962
4113766E	CONCRETE	1989	SHADOW SPGS DR 100' NE/O RIPPLE CRK DR	10952025	9500L	-117.263875462	33.9823308974	25	1491962
4113767E	CONCRETE	1989	SHADOW SPGS DR 300' NE/O RIPPLE CRK DR	10952025	9500L	-117.263515742	33.9825394526	25	1491962
4113768E	CONCRETE	1989	SHADOW SPGS DR 150' N/O SPRINGTREE WY	10952025	9500L	-117.263001956	33.9818303015	25	1491962
4113769E	CONCRETE	1989	END OF SPRINGTREE WY 200' E/O SHADOW SPGS DR	10952025	9500L	-117.262360252	33.9815015123	25	1491962
4113770E	CONCRETE	1989	SE COR OF SPRINGTREE WY AND SHADOW SPGS DR	10952025	9500L	-117.262923740	33.9813610748	25	1491962
4113772E	CONCRETE	1989	END OF BROOKHOLLOW WY 200' E/O SHADOW SPGS DR	10952025	9500L	-117.262205118	33.9806783961	25	1491962
4113773E	CONCRETE	1989	SHADOW SPGS DR 150' S/O BROOKHOLLOW WY	10952025	9500L	-117.262829989	33.9802747742	25	1491962
4113776E	CONCRETE	1989	RIPPLE CRK DR 200' N/O SHADOW SPGS DR	10952025	9500L	-117.263720898	33.9801771177	25	1491962
4113777E	CONCRETE	1989	RIPPLE CRK DR 550' N/O SHADOW SPGS DR	10952025	9500L	-117.263721119	33.9805926760	25	1491962
4113778E	CONCRETE	1989	RIPPLE CRK DR 350' S/O SHADOW SPGS DR	10952025	9500L	-117.263877453	33.9809972407	25	1491962
4113779E	CONCRETE	1989	E/S RIPPLE CRK DR 200' S/O SHADOW SPGS DR	10952025	9500L	-117.263826649	33.9813837858	25	1491962
4113780E	CONCRETE	1989	SW COR OF RIPPLE CRK DR AND SHADOW SPGS DR	10952025	9500L	-117.264173124	33.9819957380	25	1491962
4761718E	CONCRETE	2010	PIGEON PASS RD 1270' (1/4 MI) S/O HIDDEN SPGS DR	10952025	22000L	-117.261614486	33.9802285789	32	1491962
4761717E	CONCRETE	2009	SOUTHERN COR OF HIDDEN SPRINGS AND PIGEON PASS RD	10952025	22000L	-117.263555671	33.9831492862	32	1491962
4761751E	CONCRETE	2010	W/S PIGEON PASS RD., 245' S/O HIDDEN SPRINGS	10952025	22000L	-117.263027880	33.9827331744	32	1491960

Structure Number	GIS Material	Vintage	Location Description	Map Number	Lamp Size	Longitude	Latitude	Pole Height	Service Account Number
4761752E	CONCRETE	2010	W/S PIGEON PASS RD., 580' S/O HIDDEN SPRINGS	10952025	22000L	-117.262423437	33.9821127543	32	1491960
4761753E	CONCRETE	2010	W/S PIGEON PASS, 645' S/O HIDDEN SPRINGS DR.	10952025	22000L	-117.262118824	33.9817147473	32	1491960
4761754E	CONCRETE	2010	W/S PIGEON PASS RD., 1105' S/O HIDDEN SPRING	10952025	22000L	-117.261696533	33.9807302171	32	1491960
4525983E	Additional Fixtures	2003	NASON N/W C/O COTTONWOOD	10732046	22000L	-117.191581339	33.9245775754	31	1491960
4166585E	Additional Fixtures	1991	MORENO BEACH DR. E/S, 1075' S/O CL/O HICKOR	10772049	22000L	-117.177718001	33.9349820041	29	1491960
4166587E	Additional Fixtures	1991	MORENO BEACH DR. E/S, 870' S/O CL/O HICKORY	10772049	22000L	-117.177951434	33.9353203477	29	1491960
4166590E	Additional Fixtures	1991	MORENO BEACH DR. N/S, 680' S/O CL/O HICKORY	10772049	22000L	-117.178036300	33.9357179968	29	1491960
4166157E	Additional Fixtures	1991	MORENO BEACH DR. E/S, 312' S/O CL/O HICKORY	10772049	22000L	-117.178168127	33.9366471122	29	1491960
4166580E	Additional Fixtures	1991	MORENO BEACH N/S, 383' W/O C/L A ST., MRNO	10772049	22000L	-117.177013419	33.9342502125	29	1491960
4166583E	Additional Fixtures	1991	MORENO BEACH DR. E/S, 1235' S/O CL/O HICKOR	10772049	22000L	-117.177421140	33.9345807255	29	1491960
4465614E	Additional Fixtures	2001	ALESSANDRO S/S, 300' E/O PERRIS BL	10792025	22000L	-117.261398460	33.9391143797	45	1491960
4112125E	Additional Fixtures	1957	HEACOCK ST E/S 300' S/O IRONWOOD AVENUE	10812028	22000L	-117.243667188	33.9458760794	25	1491960

**Exhibit B**  
**Form of Bill of Sale**

**BILL OF SALE**

Pursuant to that certain Purchase And Sale Agreement, dated \_\_\_\_\_, 2016 (“Agreement”), by and between Southern California Edison, a California corporation (“SCE”), and the City of \_\_\_\_\_, [a Municipal Corporation and Charter City] (“Buyer”), effective as of \_\_\_\_\_, 20\_\_\_\_ **[Insert Phase Closing Date]**, SCE hereby sells, assigns, transfers and delivers to Buyer all of SCE’s right, title and interest in and to the property described in Attachment A (“Facilities”), attached hereto and hereby incorporated herein by this reference. All capitalized terms not defined in this Bill of Sale shall have the meanings given them in the Agreement.

THE FACILITIES ARE BEING TRANSFERRED “AS IS, WHERE IS, AND WITH ALL FAULTS” IN THEIR EXISTING CONDITION, WITHOUT ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND BY SCE, EXPRESS, IMPLIED OR STATUTORY, AND WITHOUT RECOURSE AGAINST SCE. WITHOUT LIMITING THE GENERALITY OF THE FOREGOING, SCE EXPRESSLY DISCLAIMS ANY REPRESENTATIONS OR WARRANTIES OF ANY KIND OR NATURE, EXPRESS OR IMPLIED, AS TO THE CONDITION, VALUE OR QUALITY OF THE FACILITIES, THE PROSPECTS (FINANCIAL AND OTHERWISE) OF THE FACILITIES, THE QUALITY OF WORKMANSHIP OF THE FACILITIES, OR THE ABSENCE OF ANY DEFECTS THEREIN, WHETHER LATENT OR PATENT. SCE FURTHER SPECIFICALLY DISCLAIMS ANY REPRESENTATION OR WARRANTY REGARDING POTENTIAL ENVIRONMENTAL HAZARDS, THE PRESENCE OF HAZARDOUS SUBSTANCES, COMPLIANCE OF THE FACILITIES OR THE LAND WHERE THE FACILITIES ARE LOCATED WITH ENVIRONMENTAL REQUIREMENTS, OR LIABILITY OR POTENTIAL LIABILITY ARISING UNDER ENVIRONMENTAL REQUIREMENTS. BUYER SPECIFICALLY ACKNOWLEDGES AND AGREES THAT SCE IS NOT ASSIGNING OR OTHERWISE TRANSFERRING ITS RIGHT, TITLE AND INTEREST IN AND TO ANY LAND RIGHTS (OR ANY CLAIM, RIGHT OR BENEFIT ARISING UNDER OR RESULTING FROM SUCH LAND RIGHTS) IN CONNECTION WITH ITS SALE OF THE FACILITIES TO BUYER, AND BUYER ASSUMES ANY AND ALL RISKS AND LIABILITIES IN CONNECTION WITH THE ABSENCE OF ADEQUATE OR APPROPRIATE LAND RIGHTS.

This Bill of Sale is executed pursuant to the authorization contained in the order of the California Public Utilities Commission in its Decision No. \_\_\_\_\_, dated \_\_\_\_\_, and is subject to all the terms and conditions of the Agreement, including the provisions set forth above.

The parties represent that they are duly authorized to execute this Bill of Sale.

SOUTHERN CALIFORNIA EDISON COMPANY,  
a California corporation

By: \_\_\_\_\_  
*Pete Dietrich*  
*Sr. Vice President Transmission and Distribution*

Accepted and Agreed:

BUYER:

CITY OF MORENO VALLEY,  
a California municipal corporation

By: \_\_\_\_\_

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Attachment: City Council Staff Report, October 18, 2016 (2526 : FINAL PURCHASE AND SALE AGREEMENT FOR SOUTHERN CALIFORNIA



**Exhibit C**  
**Phases**

*(Note: These dates are by way of example only; actual dates are dependent upon CPUC Approval)*

## Exhibit C Phases

Standard Timeframe											
Phase	Quantity	Phase Start Date	Inventory and Inspection Period		Severance Period		Invoice Creation Period		Payment Period		Phase Closing Date
			Start	End	Start	End	Start	End	Start	End	
1	1,000	1/2/2017	1/2/2017	2/28/2017	3/1/2017	3/31/2017	4/3/2017	4/28/2017	5/1/2017	5/31/2017	5/31/2017
2	2,000	3/1/2017	3/1/2017	4/28/2017	5/1/2017	5/31/2017	6/1/2017	6/30/2017	7/3/2017	7/31/2017	7/31/2017
3	3,000	5/1/2017	5/1/2017	6/30/2017	7/3/2017	7/31/2017	8/1/2017	8/31/2017	9/1/2017	9/29/2017	9/29/2017
4	4,000	7/1/2017	7/1/2017	8/31/2017	9/1/2017	9/29/2017	10/2/2017	10/31/2017	11/1/2017	11/30/2017	11/30/2017
5	5,000	9/1/2017	9/1/2017	10/31/2017	11/1/2017	11/30/2017	12/1/2017	12/29/2017	1/2/2018	1/31/2018	1/31/2018
6	6,000	11/1/2017	11/1/2017	12/30/2017	1/2/2018	1/30/2018	2/1/2018	2/28/2018	3/1/2018	3/30/2018	3/30/2018
7	7,000	1/2/2018	1/2/2018	2/28/2018	3/1/2018	3/30/2018	4/2/2018	4/30/2018	5/1/2018	5/31/2018	5/31/2018
8	8,000	3/1/2018	3/1/2018	4/30/2018	5/1/2018	5/31/2018	6/1/2018	6/29/2018	7/2/2108	7/31/2018	7/31/2108
9	9,411	5/1/2018	5/1/2018	6/29/2018	7/2/2108	7/31/2108	8/1/2018	8/31/2018	9/3/2018	9/28/2108	9/28/2018

**Exhibit D**  
**Planning, Inspection and Severance Activities**

Section Reference	Activity	SCE Responsibility	City Responsibility
2.2	Provide Buyer with draft phase maps	X	
6.2(a)	Field validation to identify applicable LS-1 Streetlights	X	
6.2(a)	Identify/Confirm Points of Demarcation (POD)	X	
6.2(a)	Confirm every pole in the City has been accounted for	X	
6.2(a)	Confirm actual phase maps and transition timelines	X	X
6.2(a)	Communicate with the Buyer any additional relocation/reconfiguration costs (assets and operational)	X	
6.2(b)	Buyer accepts or refuses any additional relocation/reconfiguration costs (assets and operational)- please see above		X
6.2 (c)	Update the inventory (if applicable)	X	
3.1(c)	Update the Purchase Price for the Final Phase (as applicable if pole count varies by 5% or more)	X	
6.2(a)	Provide revised maps and inventory list to Buyer (if applicable)	X	
6.2(b)	Buyer signs off on updated inventory list (if applicable)		X
6.2(d)	Bill of Sale to Buyer for current Phase	X	
6.2(a)	SCE Pole tag removal	X	
6.2(a)	Buyer installs its pole tags		X
6.2(e)	Buyer payment		X
6.4(a)	Convert from LS-1 to LS-2B rate at completion of each Phase	X	
6.4(b)	Provide updated LS-2 B maps and inventory list to Buyer	X	
6.4(c)	Buyer confirms rate change has gone into effect		X
6.4(d)	Phase is complete	X	X

Except for in the case of Reconfigured Facilities, the Points of Demarcation (POD) are according to the diagrams set forth in Exhibit G.

Exhibit E  
Communications Equipment

**Exhibit E**

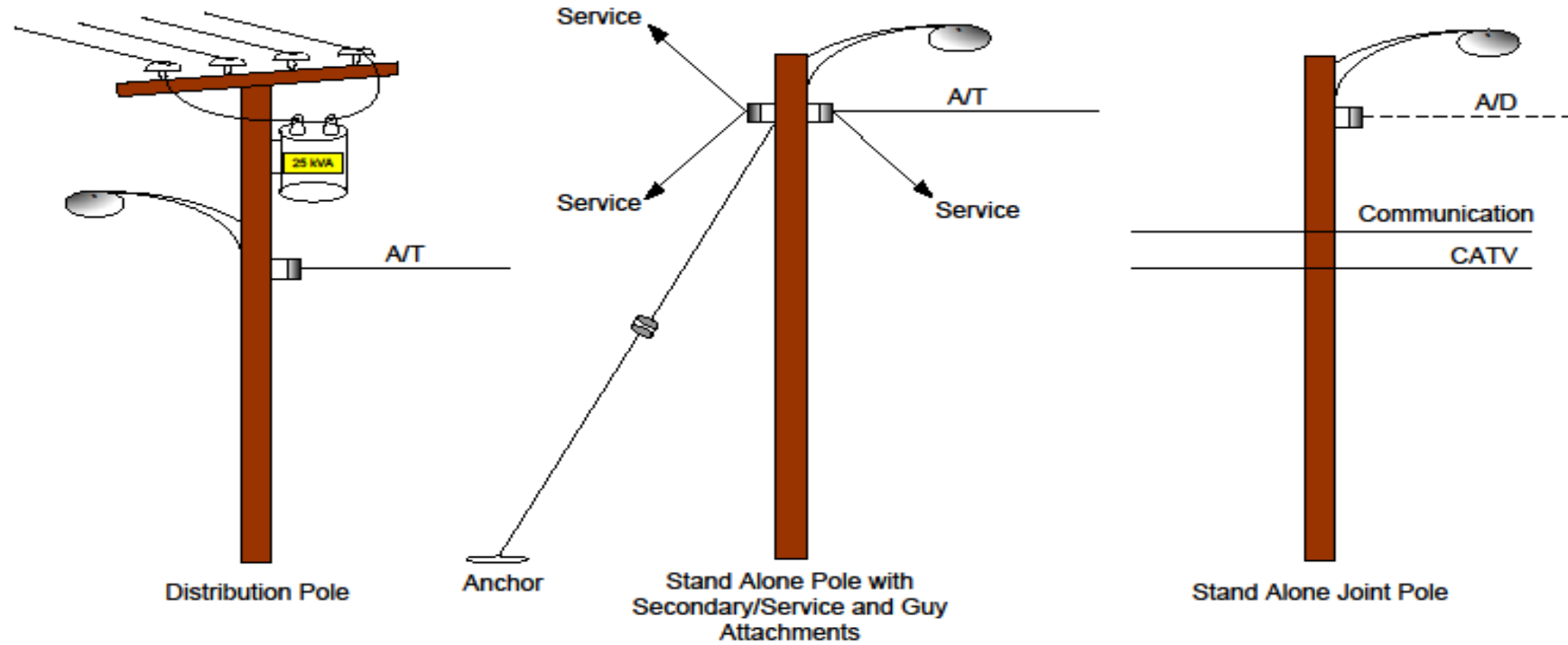
**Netcomm Installations**

loc_nam	lat_deg_val	lat_min_val	lat_sec_val	lngtd_deg_val	lngtd_min_val	lngtd_sec_val	strctur_cd	mnt_typ_cd	City	Material	Address	loc_desc
77PR0046	33	54	8	117	13	34	4522028E	STLT	Moreno Valley	Concrete	15026 Perris Boulevard, Moreno Valley, Ca	PERRIS BLVD. E/S APPX. 190' S/O C/L JFK DR.
77PR0054	33	55	41	117	12	29	4232680E	STLT	Moreno Valley	Concrete	26151 Dracaea Ave, Moreno Valley, CA	DRACAEA AVE S/S 205' E/O LASSELLE ST
77PR0076	33	52	52	117	13	50	4548559E	STLT	Moreno Valley	Concrete	16457 Emma Lane, Moreno Valley, Ca	KRAMERIA AVE N/S, 57' W/O C/L EMMA LANE
77PR0084	33	54	41	117	16	3	4065612E	STLT	Moreno Valley	Concrete	22672 Goldencrest Dr, Moreno Valley, Ca	GOLDENCREST AVE. S/S, 283' W/O C/L NEWHO
77PR0145	33	58	33	117	15	36	4462203E	STLT	Moreno Valley	Concrete	Sunnymead Ranch Pkwy (N/S of street - 410' east of Pigeon Paso RD - Exact address not available)	SUNNYMEAD RANCH PKWY N/S, 410'E/O PIGEON
77PR0276	33	55	55	117	13	4	4299254E	STLT	Moreno Valley	Concrete	25501 Eucalyptus Ave, Moreno Valley, Ca	EUCALYPTUS N/S 45' W/O KITCHING
77PR0277	33	54	37	117	11	34	4250022E	STLT	Moreno Valley	Concrete	26740 Cactus Ave, Moreno Valley, Ca	CACTUS AVE N/S, 900' W/O NASON ST
77PR0295	33	55	59	117	16	23	4214347E	STLT	Moreno Valley	Concrete	22288 Eucalyptus Ave, Moreno Valley, Ca	EASTRIDGE N/S 256' W/O EUCALYPTUS
77PR0296	33	54	36	117	16	15	4304863E	STLT	Moreno Valley	Concrete	Not Installed	CACTUS N/S 293' W/O C/L ELSWORTH
77PR0004	33	55	6	117	14	38	4151635E	POLE	Moreno Valley	Concrete	13900 Heacock st, moreno valley, ca	E/S HEACOCK, 493' N/O ALESSANDRO
77PR0028	33	57	1	117	12	46	4232667E	POLE	Moreno Valley	Concrete	25759 Laurie st, moreno valley, ca	LAURIE ST S/S 205' E/O SLAWSON
77PR0256	33	54	55	117	13	35	4525557E	POLE	Moreno Valley	Concrete	14175 Perris Blvd, moreno valley, ca	W/S PERRIS BL., 580' N/O BRODIAEA
77PR0263	33	55	15	117	14	10	4212753E	POLE	Moreno Valley	Concrete	24397 bay ave, moreno valley, ca	BAY ST S/S 300' W/O INDIAN
77PR0162	33	56	31	117	11	14	4112922E	POLE	Moreno Valley	Concrete	27250 Darlene Dr, Moreno Valley, Ca	N/S DARLENE, 50' E/O MARY LEE



**Exhibit G**  
**Point of Demarcation Diagrams**

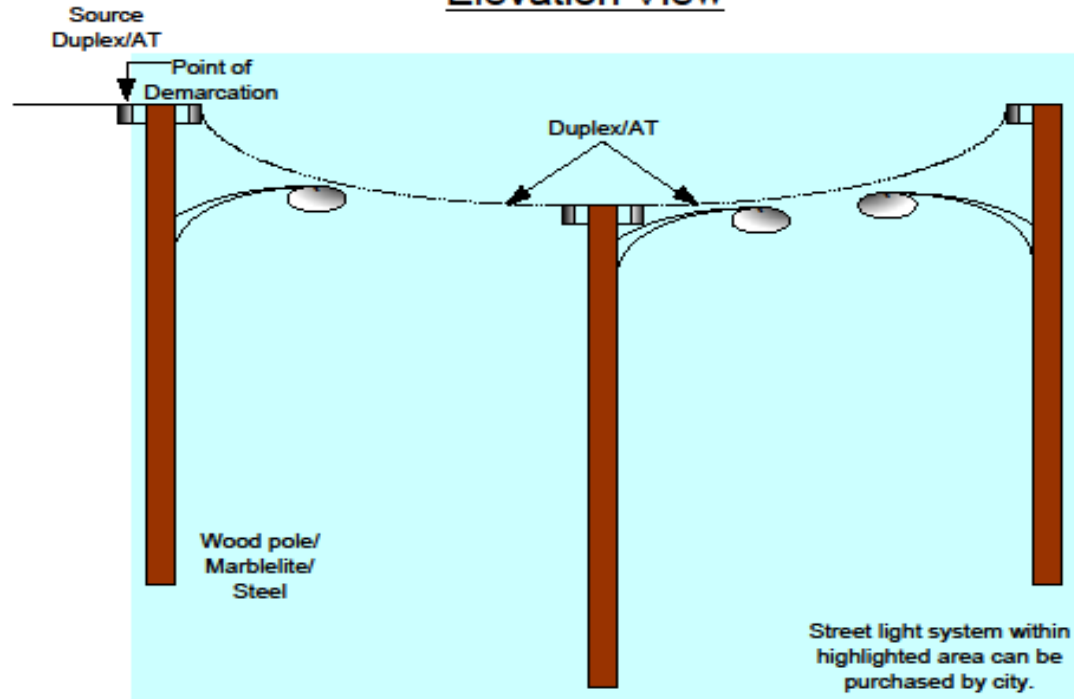
**Attachment A: Non-Sellable Street Lights on SCE Distribution/Joint Poles**



Rewision  
11/20/15

## Attachment B: OH Street Lighting System

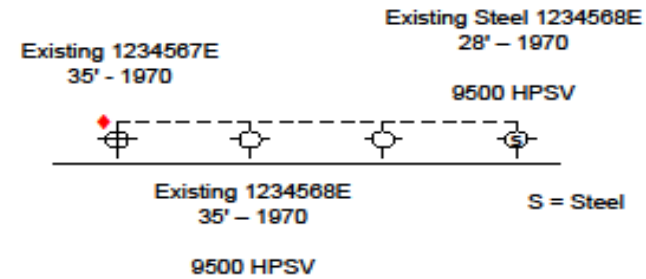
### Elevation View



Street light composition includes, but is not limited to wood, concrete, composite, fiberglass, and steel.

◆ Point of Demarcation Load Side of One-Bolt/ Insulink. SCE to Land on Roller

Rubens Way

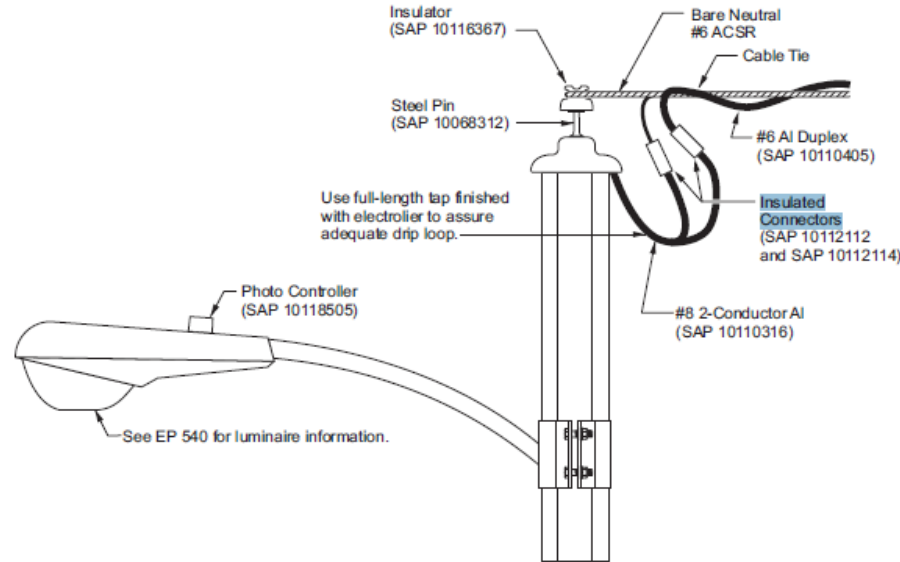


City to purchase pole and wire to point of demarcation as noted on drawing. City is responsible for installing city numbering system on street lights.

Revision  
11/20/15

**SL 430 120 V Overhead Service**  
**Scope SL 430.1 120 V Overhead Service**

Figure SL 430-1: 120 V Overhead Service



Electrolier — Concrete			
SAP	MIN Insulator Height (ft)	Arm Length (ft)	Luminaire Mounting Height
10081168	29	4	25' ± 6"
10081169	29	6	30' ± 6"

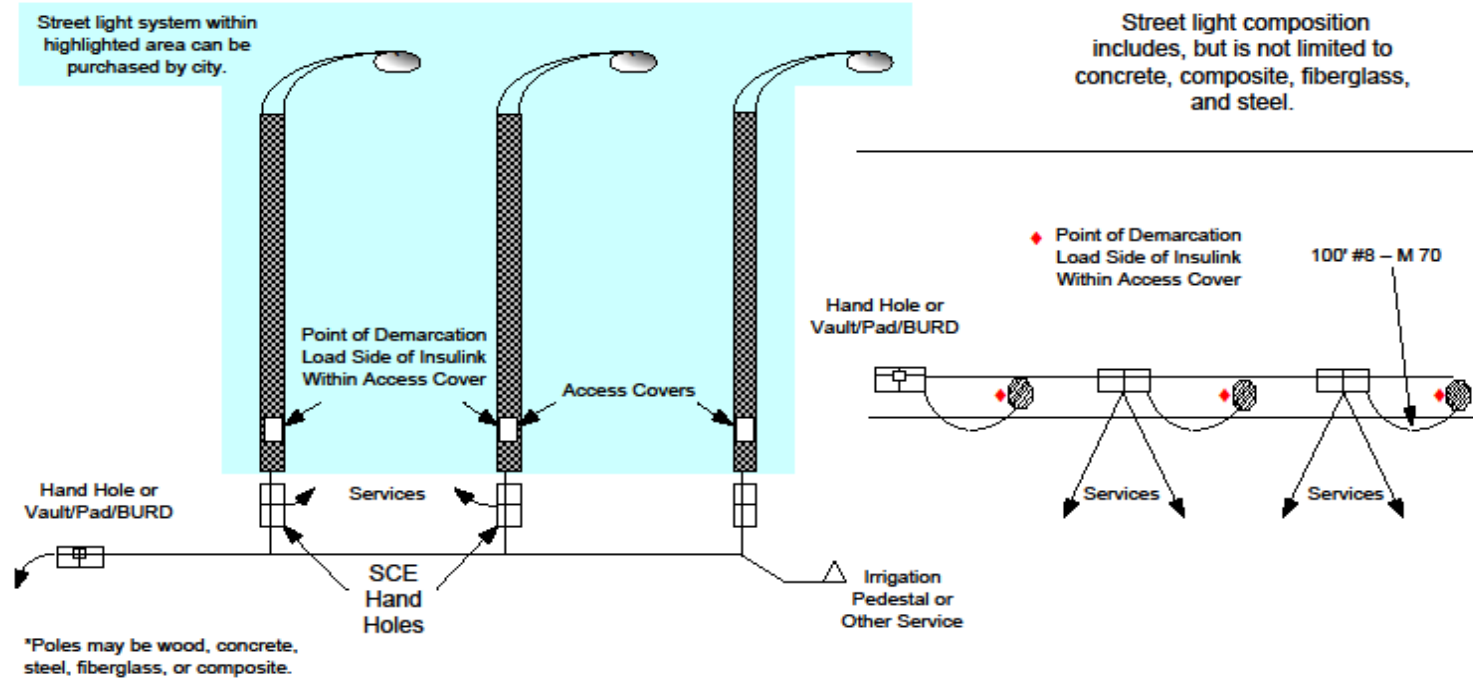
Note(s):

1. For ACSR conductors, allow an additional 50 percent sag from sag tables. See [CO Section](#).
2. No change in sag for copper conductors.
3. No pole rake is necessary.
4. #8 copper cable (SAP 10109555) is also available. Copper conductor should be used in copper designated areas only.

Approved by: <i>[Signature]</i>	120 V Overhead Service	<b>SL 430</b>
Effective Date: 04-28-2008	What's Changed?	Sheet 1 of 1 <b>DOH</b>

**Attachment C: UG Street Lighting System with SCE Facilities**

**Elevation View**



\*Poles may be wood, concrete, steel, fiberglass, or composite.

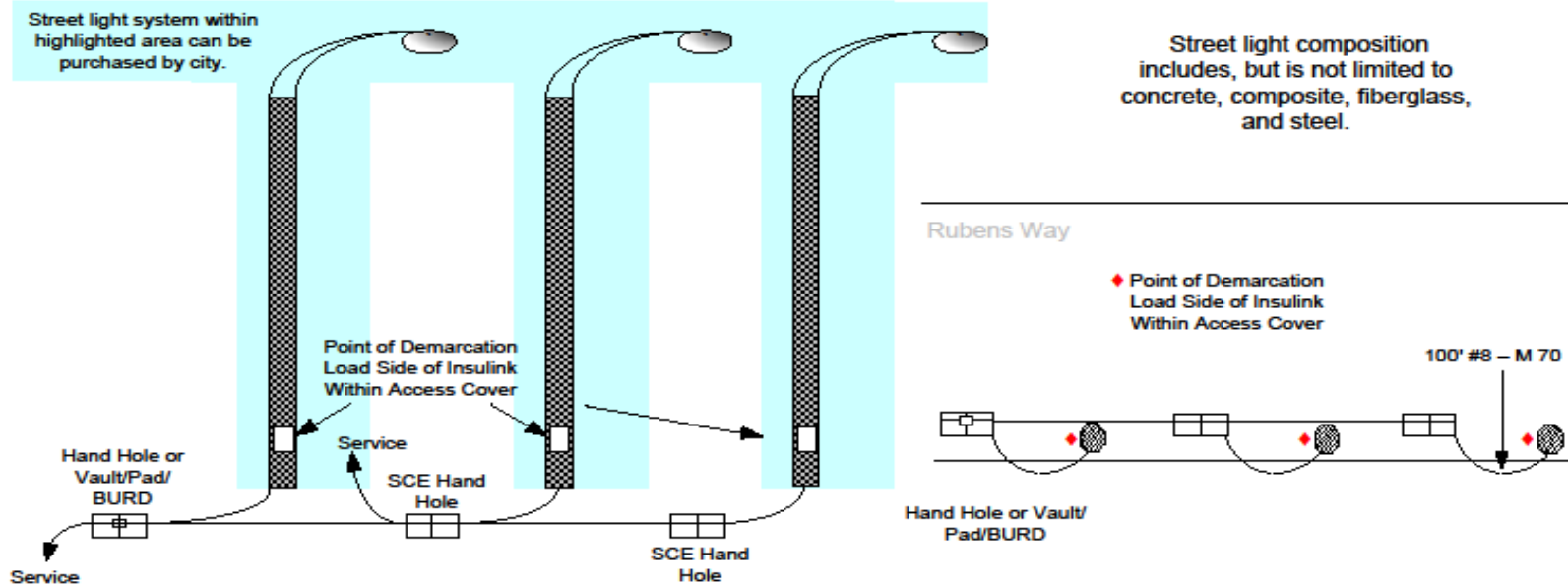
City to purchase street lights to point of demarcation as noted on drawing. City is responsible for installing city numbering system on street lights.

Revision 11/20/15



### UG Housing Tract Street Lighting

#### Elevation View



Street light system within highlighted area can be purchased by city.

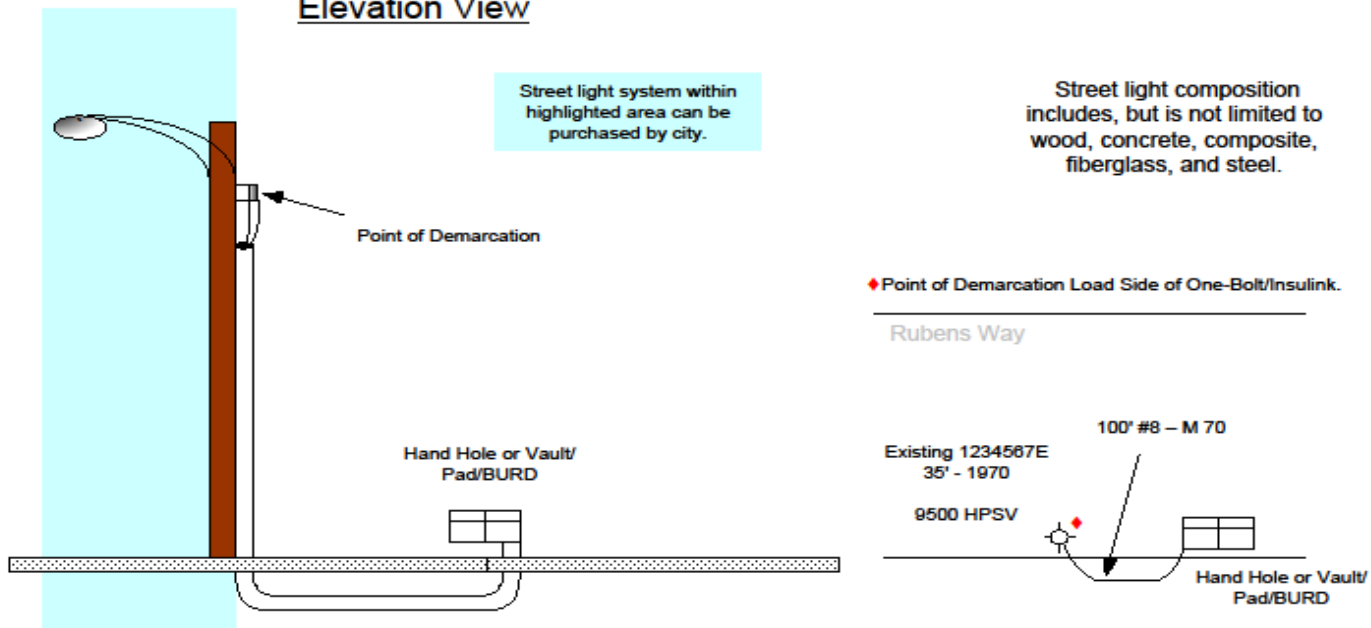
Street light composition includes, but is not limited to concrete, composite, fiberglass, and steel.

City to purchase street lights to point of demarcation as noted on drawing. City is responsible for installing city numbering system on street lights.

Revision 11/20/15

**Attachment C-1: UG Duct/DB/CIC Street Lighting**

**Elevation View**



Street light system within highlighted area can be purchased by city.

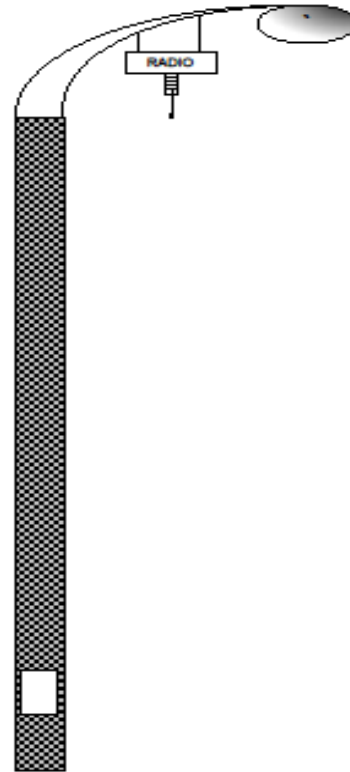
Street light composition includes, but is not limited to wood, concrete, composite, fiberglass, and steel.

◆ Point of Demarcation Load Side of One-Bolt/Insulink.

City to purchase pole to point of demarcation as noted on drawing. City is responsible for installing city numbering system on street light.

Revision  
11/20/15

Attachment D: OH/UG Net Comm Radio Attachments



SCE network radio to remain on mast arm at no cost to SCE.  
All future mast arm attachments will be made at no cost to  
SCE. If agreement cannot be reached, these will be non-  
sellable street lights.

Revision  
11/20/15

**LIGHT POLE LICENSE AGREEMENT  
FOR WIRELESS ATTACHMENT  
BETWEEN  
THE CITY OF MORENO VALLEY  
AND  
SOUTHERN CALIFORNIA EDISON**

This No-Fee Light Pole License Agreement (“Agreement”) is made as of \_\_\_\_\_, 2016 (“Effective Date”), by and between the City of Moreno Valley, a Municipal Corporation (“Licensor”), and Southern California Edison Company, a California corporation (“Licensee”), individually “Party” and collectively “Parties.”

Licensor herein provides Licensee a no-fee license to attach certain wireless communication equipment to light poles that are owned by Licensor and used by Licensor to provide street lighting services to customers.

The terms and conditions of this Agreement are as follows:

**1. DEFINITIONS**

Terms with the initial letter or letters capitalized, whether in the singular or plural, shall have the following meanings:

a. Applicable Requirement: Any law, code, regulation, ordinance, statute or requirement of a governmental or quasi-governmental authority, regulatory agency or any other similar authority with jurisdiction or control over access to or use of the Light Pole, an Attachment, Work on a Light Pole or operation of an Attachment.

b. Attachment: A wireless communicating device and all of its associated ancillary equipment which are owned and used by Licensee and serve the purpose(s) presently served by those fixtures identified in Exhibit A hereto, specifically the collection and relay of data from meters and the collection, relay, and communication with SCE distribution systems.

c. Custom Light Pole: A specialized light pole, owned and installed by Licensor and paid for by Licensee, for the purposes of accommodating Licensee’s Attachment and for Licensor to provide street lighting services.

d. Equipment: All ancillary equipment owned and utilized by Licensee in connection with an Attachment, and installed on third party property.

e. Light Pole: A Licensor Light Pole or a Custom Light Pole.

f. Licensor Light Pole: A standard light pole owned by Licensor used to provide street lighting services.

g. Work: Any work performed by Licensee relating to an Attachment, including the installation, repair, removal or replacement of the Attachment or Equipment.

## 2. TERM

The initial term of this Agreement shall be ten (10) years, with automatic renewal terms of three (3) years each, provided, however, that either Party may terminate this Agreement by written notice to the other Party (“Termination Notice”). During the initial ten (10) year term the Termination Notice must be given not more than two (2) years and not less than one hundred eighty (180) days prior to the expiration of the initial term. During each subsequent renewal term the Termination Notice must be given not less than two (2) years prior to the expiration of any succeeding term. Upon the issuance of a Termination Notice by either Party, only Licensee’s rights to install Future Attachments as described in this Agreement shall terminate, but Licensee’s rights under this Agreement with regard to then-installed Attachments and Upgraded Attachments shall not terminate.

## 3. ATTACHMENTS

The installed Attachments are listed in Exhibit A hereto. During the term hereof, Licensee shall have the right (i) to upgrade Attachments to new technology that serves the same purpose as the Attachments listed on Exhibit A (“Upgraded Attachments”), and (ii) to install new Attachments that are not listed in Exhibit A (“Future Attachments”), so long as such Upgraded Attachments and Future Attachments serve the same purpose as the Attachments listed on Exhibit A and do not interfere in any manner with any then-existing Licensor equipment. All installations of Upgraded Attachments and Future Attachments shall be performed in in a good and workmanlike manner.

## 4. LICENSEE’S ATTACHMENT RIGHTS

Licensee shall have a no-fee license to use the Attachment for the wireless communications purposes described in the definition of Attachment, and to maintain, remove, repair or replace the Attachment, as described herein (collectively, the “Attachment Rights”). All costs and expenses incurred by Licensee as a result of Licensee’s exercise of its Attachment rights hereunder shall be the sole responsibility of Licensee.

## 5. CONDITIONS AND RESTRICTIONS ON LICENSE RIGHTS

In addition to the other terms and conditions of this Agreement, Licensee’s exercise of its Attachment Rights shall be subject to the following conditions and restrictions:

a. Licensee shall operate its Attachment for wireless communication equipment, with the purposes described in the definition of Attachment.

b. Licensee shall be solely responsible for separately obtaining any electric utility or other services required for operation of its Attachment, if secondary power from the streetlight is inaccessible.



c. Except as set forth in Section 5(f), Licensor shall not be required to modify the Light Pole or its use of the Light Pole to accommodate use by the Licensee.

d. Licensor shall not install any Equipment for the Licensee, Licensee shall be solely responsible for the installation of any Equipment.

e. Except as set forth in Section 5(f), Licensee's rights regarding Upgraded Attachments and/or Future Attachments shall not interfere with Licensor's use of the Light Pole. If an Attachment made under this Agreement interferes with Licensor's ability to use a Light Pole for its purposes, then Licensor will inform the Licensee and Licensee shall remedy the interference in a reasonably prompt period of time after receiving notice of the interference from Licensor.

f. Licensor shall not install any devices, and Licensor shall not allow third parties to install any devices that interfere with Licensee's then existing Attachment. If Licensor interferes with Licensee's wireless communication, then Licensor shall remedy the interference in a reasonably prompt period of time after receiving notice of the interference from Licensee.

g. Prior to commencing any work or activity affecting any Light Pole, Licensee shall provide Licensor with not less than three (3) business days prior notice.

## 6. ATTACHMENT

a. Licensee shall be allowed to install Future Attachments at additional locations under this Agreement upon written approval of Licensor which shall not be unreasonably withheld provided however, ten (10) business days' notice has been provided to Licensor; provided, however, Licensor may disapprove proposed Future Attachments in the event Licensor reasonably determines the proposed Future Attachments may interfere with any existing or planned municipal operations or Licensor equipment. Licensee shall provide Licensor the structure number and address or location description where the Attachment will be installed. For purposes of this paragraph, "planned" shall mean that the City has taken steps towards the identification of future municipal needs relating to attachments on light poles as evidenced by (1) City Council adoption of a plan, program or budget, (2) active negotiations with third parties for the implementation of an administrative plan or program, or (3) expenditure of City resources towards the implementation of any plan or program. City plans or programs that are merely conceptual and for which the City has not expended City resources shall not be considered "planned" for purposes of this paragraph.

b. Licensee shall use commercially reasonable efforts to perform any Work in a manner which will not cause any interruption of Licensor's street-lighting services or other equipment, or damage Light Poles or Licensor's existing Light Pole attachments or equipment, or damage or interfere with any existing third party Light Pole attachments.

c. All Work shall be performed at Licensee's sole risk and cost and shall be performed in a good and workmanlike manner and Licensee shall indemnify, defend and

hold harmless Licensor, its elected officials, staff, directors, invitees, employees, agents, contractors, successors and assigns, from any and all costs, liabilities, claims and expenses, including those from death or injury to any person or from a loss or damage to any real, personal or other property, to the extent arising out of or pertaining to any Work, or any act or failure to act by any of Licensee's employees, agents, or contractors in relation to the Upgraded Attachments and Future Attachments.

d. The performance of any Work shall comply with the requirements for such Work as contained in applicable industry standards, specific work requirements imposed by Licensor or a third party, or in any Applicable Requirements associated with the Work.

e. Upon written notification from Licensor or a government authority that the Attachment or any Equipment is out of compliance with any Applicable Requirement or is unsafe or hazardous, Licensee shall promptly take whatever actions are necessary to come into full compliance with such Applicable Requirements or to remedy the unsafe or hazardous condition, as the case may be. Notwithstanding any other provision of this Agreement, if at any time, in Licensor's sole judgment, an unsafe or dangerous condition exists, Licensor shall immediately notify Licensee and Licensee shall have twenty-four (24) hours from such notice to remedy the unsafe or dangerous condition. If Licensee does not remedy the unsafe or dangerous condition within such twenty-four (24) hour period, then Licensor may correct such condition and notify Licensee of such correction within three (3) business days. If at any time, in Licensor's sole judgment, an imminent threat to human life or safety exists, Licensor may correct such condition and notify Licensee of such correction within three (3) business days.

f. Licensee shall not drill, burn or punch any holes in a Light Pole, without first obtaining written consent from Licensor, which consent shall not be unreasonably withheld. Licensee shall reimburse Licensor for any damage to any Licensor Light Pole in connection with the use, repair, restoration or replacement of a Light Pole by Licensee.

g. Licensee shall follow Licensor's established procedures to request Licensor to replace a Licensor Light Pole with a Custom Light Pole, and Licensee shall be solely responsible for all costs of such request and any resulting replacement.

h. Notwithstanding the foregoing, if Licensee requests to place Attachments, including Attachments, Upgraded Attachments, and Future Attachments, on Licensor's Light Poles during the term of this Agreement that would exceed three percent (3%) of the total number of Licensor's Light Poles, the Parties will meet and use good faith efforts to agree on increasing the number of Future Attachments allowed under this Agreement.

## **7. REMOVAL OF AN ATTACHMENT FROM A LIGHT POLE**

a. Licensee may at any time remove an Attachment from any Light Pole. Notice of any such removal shall be provided to Licensor within sixty (60) business days after such removal and Licensor's Light Pole shall be repaired and restored to its original condition.

b. Nothing in this Agreement shall be construed to limit Licensor's rights, at any time, to remove a Light Pole from service or to require Licensee to remove its Attachment from a Light Pole that is being removed from service. In the event Licensor requires Licensee to remove its Attachment from a Light Pole that is being removed from service, then Licensor will notify Licensee ninety (90) days prior to the removal and use reasonable efforts to supply Licensee with an alternative Light Pole for such Attachment. Licensee shall complete removal of its Attachment within ninety (90) days of Licensor's request to do so.

c. Whenever Licensee removes an Attachment, Licensee shall restore the Light Pole to its original condition, reasonable wear and tear excepted, except where Licensor notifies Licensee that restoration is unnecessary because the Light Pole is being removed from service or Licensor agrees otherwise.

d. When a Light Pole that contains an existing Attachment is relocated or replaced by Licensor, and there is a suitable other location for a new Light Pole or an existing Light Pole which could be used by Licensee for its Attachment, then Licensor and the Licensee may agree that Licensee may so use the other location or Light Pole and amend Exhibit A to reflect the transfer of Licensee's Attachment Rights. Except in emergency situations, Licensor will notify Licensee ninety (90) days prior to relocation or replacement of Light Pole.

## **8. RISK OF LOSS; RESTORATION OR REPAIR OF LIGHT POLE**

In the event a Light Pole is damaged or destroyed, restoration of Licensor's use of a Light Pole shall take priority over Licensee's restoration of its use; provided, however, that Licensor shall not unreasonably delay Licensee's opportunity to restore the use of its Attachment. Licensor shall permit Licensee to make repairs to restore use of the Attachment, as long as such restoration efforts do not interfere with Licensor's restoration activities. In addition, Licensee shall fully cooperate with Licensor if Licensor performs any repairs or other work on the Light Pole, which work may require a temporary shutdown of Licensee's Attachment. The Licensor shall notify the Licensee at least 48 hours prior to planned repairs that will require a shutdown of the Licensee's Attachment.

## **9. REGULATORY MATTERS**

To the extent that this Agreement is subject to the jurisdiction of any regulatory authority, Licensor and Licensee acknowledge that this Agreement may be subject to such changes, modifications or termination as that regulatory authority may direct from time to time in the exercise of its jurisdiction.

## **10. INDEMNIFICATION AND LIMITATION OF LIABILITY**

a. Licensee shall indemnify, defend and hold harmless Licensor, its elected officials, staff, directors, invitees, employees, agents, contractors, successors and assigns, from any and all costs, liabilities, claims and expenses, including those from death or injury to any person or from a loss or damage to any real, personal or other property, to the extent

arising from any negligent act or omission by Licensee, or by any of Licensee's employees, agents, or contractors in performing this Agreement.

b. Intentionally Omitted.

c. Licensor shall promptly notify the Licensee of the existence of any matters to which Licensee's indemnity obligations apply. Upon demand by Licensor, the Licensee shall defend at its own expense with mutually acceptable counsel any such matter; provided that Licensor shall at all times also have the right to fully participate in the defense and consent to any settlement or compromise.

d. IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY FOR ANY INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES (INCLUDING LOSS OF THE OTHER PARTY'S CUSTOMERS OR GOOD WILL, OR LOST REVENUE OR PROFITS), FOR ANY CAUSE OF ACTION, WHETHER IN CONTRACT OR TORT, ARISING IN ANY MANNER FROM THIS AGREEMENT OR THE PERFORMANCE OR NON -PERFORMANCE OF OBLIGATIONS HEREUNDER, REGARDLESS OF THE CAUSE OR FORESEEABILITY THEREOF.

## 11. TITLE AND RISK OF LOSS

a. Licensor shall have and retain sole and exclusive ownership of all Light Poles, and Licensor's ownership shall not be affected by Licensee's Attachment to the Light Pole.

b. Except as otherwise provided for herein, Licensee shall retain its ownership of the Attachment and any Equipment at all times.

## 12. INSURANCE

At all times during the term of this Agreement, Licensee shall maintain and shall require its subcontractors that perform any Work pursuant to this Agreement to maintain insurance coverage as described below:

a. Worker's Compensation Insurance with statutory limits, in accordance with the laws of the State of California, and Employer's Liability Insurance with limits of not less than one million dollars (\$1,000,000). Licensee shall require its insurer to waive all rights of subrogation against Licensor, its officers, agents and employees.

b. Commercial General Liability Insurance, including coverage for bodily injury, property damage, products/completed operations liability and contractual liability, with a per occurrence limit of not less than two million dollars (\$2,000,000). Such insurance shall (i) name the City of Moreno Valley, Community Services District of Moreno Valley ("CSD") and the Moreno Valley Housing Authority, its officers, agents, and employees as additional insureds, but only for Licensee's negligent acts or omissions; (ii) be primary for all purposes; and (iii) contain standard cross-liability provisions.

c. Liability and Property Damage Insurance coverage for owned and non-owned automotive equipment operated on City of Moreno Valley/CSD/Moreno Valley Housing Authority premises. Such coverage limits shall not be less than \$1,000,000 combined single limit.

Written proof of compliance with the requirements of this Section, consisting of Certificates of Insurance and a copy of the Additional Insured Endorsement for the Commercial General Liability insurance policy, in a form acceptable to Licensor, shall be provided to Licensor prior to any Attachment or the installation of any Equipment upon an Light Pole and prior to the expiration of each policy year thereafter. The Certificates of Insurance shall provide that this insurance shall not be terminated, canceled or reduced except on thirty days' prior written notice to Licensor. Failure to provide and maintain such insurance shall constitute a default under this Agreement. Licensee may self-insure any and all of the above insurance requirements.

### **13. REMEDIES IN THE EVENT OF DEFAULT**

If either Party fails to comply with a material term or condition of this Agreement, the non-breaching party shall provide written notice to the defaulting party of such non-compliance. The breaching party shall then have thirty (30) days (except in the case of health and safety issues, which shall require cure within forty-eight (48) hours) from receipt of such notice to reasonably cure such non-compliance. If such a cure is not completed within the thirty (30) day period (or 48 hour period as provided above), or if a cure is not possible within such period and the breaching party has not taken steps to effect such cure, then the non-breaching party may pursue its legal remedies relating to such non-compliance.

### **14. DISPUTE RESOLUTION**

a. Except as may otherwise be set forth expressly herein, all disputes arising under this Agreement shall be resolved as set forth in this Section 14.

b. Licensor and Licensee shall attempt in good faith to resolve any dispute arising out of or relating to this Agreement promptly by negotiations between an authorized representative of each of the Parties. Any dispute which cannot be resolved between the authorized representative shall be referred to an officer or designee of Licensee and Licensor. Licensor or Licensee shall give the other Party written notice of any dispute following expiration of the applicable cure period pursuant to Section 13. Within twenty (20) days after delivery of such notice, the designated parties shall meet at a mutually acceptable time and place, and thereafter as often as they reasonably deem necessary to exchange information and to attempt to resolve the dispute. If the matter has not been resolved within thirty (30) days of the first meeting, the Parties will consider and decide whether the dispute should be submitted to mediation. The Parties will cooperate with one another in selecting the mediator ("Mediator") from the panel of neutrals from Judicial Arbitration and Mediation Services, Inc. ("JAMS"), its successor, or any other mutually acceptable non-JAMS Mediator, and in scheduling the time and place of the mediation.



c. To the extent allowable by law, all negotiations and any mediation conducted pursuant to this Section 14 shall be confidential and shall be treated as compromise and settlement negotiations, to which Section 1152.5 of the California Evidence Code shall apply, which section is incorporated in this Agreement by reference.

d. Notwithstanding the foregoing provisions, either Licensor or Licensee may seek immediate equitable relief, a preliminary injunction or other provisional judicial remedy.

e. Licensor and Licensee shall continue to perform their obligations under this Agreement pending final resolution of any dispute arising out of or relating to this Agreement.

f. If Licensor and Licensee, after good faith efforts to resolve a dispute under the terms of this Agreement (as provided in Subpart b above), cannot agree to a resolution of the dispute, either party may pursue whatever legal remedies may be available to such party, at law or in equity, before a court of competent jurisdiction and with venue in Riverside County, California.

## 15. TAXES AND LIENS

Licensee shall pay when due any and all taxes or assessment resulting from any Attachment on any Light Pole including, but not limited to, special assessments and governmental fees of any kind whatsoever which may be levied or assessed upon any personal property which Licensee has caused to be placed or maintained upon Licensor's facilities, or against Licensee's business and shall keep Licensor's property and facilities, including any Light Poles, free from all liens, including but not limited to mechanics liens, and encumbrances by reason of the use, occupancy, or maintenance of Licensor's facilities or property by Licensee or by any person claiming under Licensee. It is further agreed that in the event Licensee fails to pay the above-mentioned taxes, assessments, or liens when due, Licensor shall have the right to pay the same and invoice Licensee for the amount thereof and Licensee shall pay the same upon demand together with interest at the maximum rate allowed by law from the date of such expenditure by Licensor.

## 16. NOTICES

Notices hereunder must be in writing and transmitted by United States mail or by personal delivery to Licensor. Such notices shall be deemed given: (a) upon receipt in the case of personal delivery or confirmed facsimile transmittal; (b) two (2) days after it is sent by certified mail, with a return receipt requested, (c) three (3) days after deposit in the mail, or the next day in the event of overnight delivery.

If to Licensor: Public Works Director  
 City of Moreno Valley  
 PO Box 88005  
 Moreno Valley, CA 92552-0805

If to Licensee: Southern California Edison  
 Manager of Streetlights Attention: John King  
 6042 A Irwindale Ave, Irwindale CA 91702

## 17. DISCLAIMER

LICENSOR MAKES NO REPRESENTATION OR WARRANTY WHATSOEVER CONCERNING THE SUITABILITY OR CONDITION OF ANY LIGHT POLE. FURTHERMORE, IT IS SPECIFICALLY UNDERSTOOD AND HEREBY ACKNOWLEDGED BY LICENSEE THAT ANY LIGHT POLE MADE AVAILABLE HEREUNDER, TO THE MAXIMUM EXTENT PERMISSIBLE BY LAW, WILL BE PROVIDED BY LICENSOR ONLY ON AN “AS-IS” BASIS AND WITHOUT ANY WARRANTY BY LICENSOR ABOUT THE CONDITION OF THE LIGHT POLE OR ITS SUITABILITY FOR LICENSEE’S PURPOSES. FURTHER, LICENSEE’S RIGHTS HEREUNDER SHALL BE SUBORDINATE TO LICENSOR’S USE OF THE LIGHT POLE FOR MUNICIPAL SERVICES.

## 18. GENERAL PROVISIONS

a. California Law. This Agreement, and performance pursuant to it, shall be governed, interpreted, construed, and regulated by the laws of the State of California, without reference to its conflicts of laws provisions.

b. Assignment. Neither Party may assign, transfer, sublease, or sublet any right, obligation, or privilege given to it hereunder without the prior written consent of the other Party. Subject to the foregoing, this Agreement shall inure to the benefit of and be binding upon the respective successors and assigns of the Parties hereto.

c. Interpretation. The language of each part of this Agreement shall be construed simply and according to its fair meaning, and shall never be construed either for or against either Party, regardless of which Party may have drafted the provision.

d. Nature of Rights. Nothing in this Agreement shall preclude Licensor from granting any third-party permission to use available capacity on a Light Pole in ways that do not interfere with the rights granted to Licensee under this Agreement.

e. Invalidity of Provisions. To the extent that any terms or provisions of this Agreement shall be finally determined by a court of competent jurisdiction to be invalid,

(i) such invalidity shall not affect, release or modify any other terms or provisions, and (ii) in lieu of each such provision which is invalid, illegal or unenforceable, there shall be substituted or added as part of this Agreement a legal, valid and enforceable provision which shall be selected to be as similar as possible, in achieving the economic and business objectives of the Parties, to such illegal, invalid or unenforceable provision.

f. Waiver. The failure of either Party to enforce any provision of this Agreement or the waiver thereof in any instance, including but not limited to the right to terminate, shall not be construed as a general waiver or relinquishment on its part of any such provision but the same shall nevertheless be and remain in full force and effect.

g. Incorporation Clause. This Agreement, including attached Exhibits, incorporate all the covenants and understandings between Licensor and Licensee regarding the subject matter of this Agreement. No other verbal agreements or understandings exist between the Parties nor shall any be binding upon either Licensor or Licensee unless reduced to writing and signed by the Parties. Any addition, variation or modification to this or any other Agreement shall be ineffective unless made in writing and signed by the Parties.

h. Radio Frequency Emission (“RFE”) Compliance. Licensee shall be responsible, at its sole cost and expense, for ensuring compliance with all regulations relating to RFE. Licensor will cooperate with Licensee, where possible, to allow Licensee to place required signage on a Light Pole where this is necessary to comply with RFE regulations. In addition, Licensee shall use its best efforts to minimize the RFE impact on health of workers and on future uses of the Light Pole.

i. Exhibits. Exhibits referenced herein are incorporated by said reference. Licensee shall provide any updates of Exhibit A to Licensor within thirty (30) days of Licensor’s written request, delivered pursuant to Section 16 of this Agreement, but not more often than once each calendar quarter. Specifically included as exhibits to this Agreement hereto are:

Exhibit A: List of Installed Attachments

j. Confidentiality. Notwithstanding any language to the contrary in any applicable non-disclosure or confidentiality agreement between the Parties, Licensor may, without the prior consent of the Licensee, provide confidential or proprietary information related to this Agreement to a governmental or regulatory entity that requests such information or as otherwise required by law.

## SIGNATURES

By signing below, the signatories hereto represent and warrant that they have been duly authorized to sign this Agreement on behalf of the Party for whom they sign.

**CITY OF MORENO VALLEY,  
a Municipal corporation**

**SOUTHERN CALIFORNIA EDISON  
COMPANY, a California corporation**

By: \_\_\_\_\_  
Print  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
\_\_\_\_\_  
Date: \_\_\_\_\_

By: \_\_\_\_\_  
Name: Pete Dietrich  
Title: Sr. Vice President of Transmission  
and Distribution  
\_\_\_\_\_  
Date: \_\_\_\_\_

Attachment: City Council Staff Report, October 18, 2016 (2526 : FINAL PURCHASE AND SALE AGREEMENT FOR SOUTHERN CALIFORNIA

**LIGHT POLE LICENSE AGREEMENT  
FOR WIRELESS ATTACHMENT  
BETWEEN  
THE CITY OF Moreno Valley  
AND  
SOUTHERN CALIFORNIA EDISON**

This No-Fee Light Pole License Agreement (“Agreement”) is made as of \_\_\_\_\_, 2016 (“Effective Date”), by and between the City of Moreno Valley, a Municipal Corporation (“Licensor”), and Southern California Edison Company, a California corporation (“Licensee”), individually “Party” and collectively “Parties.”

Licensor herein provides Licensee a no-fee license to attach certain wireless communication equipment to light poles that are owned by Licensor and used by Licensor to provide street lighting services to customers.

The terms and conditions of this Agreement are as follows:

**1. DEFINITIONS**

Terms with the initial letter or letters capitalized, whether in the singular or plural, shall have the following meanings:

a. Applicable Requirement: Any law, code, regulation, ordinance, statute or requirement of a governmental or quasi-governmental authority, regulatory agency or any other similar authority with jurisdiction or control over access to or use of the Light Pole, an Attachment, Work on a Light Pole or operation of an Attachment.

b. Attachment: A wireless communicating device and all of its associated ancillary equipment which are owned and used by Licensee and serve the purpose(s) presently served by those fixtures identified in Exhibit A hereto, specifically the collection and relay of data from meters and the collection, relay, and communication with SCE distribution systems.

c. Custom Light Pole: A specialized light pole, owned and installed by Licensor and paid for by Licensee, for the purposes of accommodating Licensee’s Attachment and for Licensor to provide street lighting services.

d. Equipment: All ancillary equipment owned and utilized by Licensee in connection with an Attachment, and installed on third party property.

e. Light Pole: A Licensor Light Pole or a Custom Light Pole.

f. Licensor Light Pole: A standard light pole owned by Licensor used to provide street lighting services.



g. Work: Any work performed by Licensee relating to an Attachment, including the installation, repair, removal or replacement of the Attachment or Equipment.

## 2. TERM

The initial term of this Agreement shall be ten (10) years, with automatic renewal terms of three (3) years each, provided, however, that either Party may terminate this Agreement by written notice to the other Party (“Termination Notice”). During the initial ten (10) year term the Termination Notice must be given not more than two (2) years and not less than one hundred eighty (180) days prior to the expiration of the initial term. During each subsequent renewal term the Termination Notice must be given not less than two (2) years prior to the expiration of any succeeding term. Upon the issuance of a Termination Notice by either Party, only Licensee’s rights to install Future Attachments as described in this Agreement shall terminate, but Licensee’s rights under this Agreement with regard to then-installed Attachments and Upgraded Attachments shall not terminate.

## 3. ATTACHMENTS

The installed Attachments are listed in Exhibit A hereto. During the term hereof, Licensee shall have the right (i) to upgrade Attachments to new technology that serves the same purpose as the Attachments listed on Exhibit A (“Upgraded Attachments”), and (ii) to install new Attachments that are not listed in Exhibit A (“Future Attachments”), so long as such Upgraded Attachments and Future Attachments serve the same purpose as the Attachments listed on Exhibit A and do not interfere in any manner with any then-existing Licensor equipment. All installations of Upgraded Attachments and Future Attachments shall be performed in in a good and workmanlike manner.

## 4. LICENSEE’S ATTACHMENT RIGHTS

Licensee shall have a no-fee license to use the Attachment for the wireless communications purposes described in the definition of Attachment, and to maintain, remove, repair or replace the Attachment, as described herein (collectively, the “Attachment Rights”). All costs and expenses incurred by Licensee as a result of Licensee’s exercise of its Attachment rights hereunder shall be the sole responsibility of Licensee.

## 5. CONDITIONS AND RESTRICTIONS ON LICENSE RIGHTS

In addition to the other terms and conditions of this Agreement, Licensee’s exercise of its Attachment Rights shall be subject to the following conditions and restrictions:

a. Licensee shall operate its Attachment for wireless communication equipment, with the purposes described in the definition of Attachment.

b. Licensee shall be solely responsible for separately obtaining any electric utility or other services required for operation of its Attachment, if secondary power from the streetlight is inaccessible.

c. Except as set forth in Section 5(f), Licensor shall not be required to modify the Light Pole or its use of the Light Pole to accommodate use by the Licensee.

d. Licensor shall not install any Equipment for the Licensee, Licensee shall be solely responsible for the installation of any Equipment.

e. Except as set forth in Section 5(f), Licensee's rights regarding Upgraded Attachments and/or Future Attachments shall not interfere with Licensor's use of the Light Pole. If an Attachment made under this Agreement interferes with Licensor's ability to use a Light Pole for its purposes, then Licensor will inform the Licensee and Licensee shall remedy the interference in a reasonably prompt period of time after receiving notice of the interference from Licensor.

f. Licensor shall not install any devices, and Licensor shall not allow third parties to install any devices that interfere with Licensee's then existing Attachment. If Licensor interferes with Licensee's wireless communication, then Licensor shall remedy the interference in a reasonably prompt period of time after receiving notice of the interference from Licensee.

g. Prior to commencing any work or activity affecting any Light Pole, Licensee shall provide Licensor with not less than three (3) business days prior notice.

## 6. ATTACHMENT

a. Licensee shall be allowed to install Future Attachments at additional locations under this Agreement upon written approval of Licensor which shall not be unreasonably withheld provided however, ten (10) business days' notice has been provided to Licensor; provided, however, Licensor may disapprove proposed Future Attachments in the event Licensor reasonably determines the proposed Future Attachments may interfere with any existing or planned municipal operations or Licensor equipment. Licensee shall provide Licensor the structure number and address or location description where the Attachment will be installed. For purposes of this paragraph, "planned" shall mean that the City has taken steps towards the identification of future municipal needs relating to attachments on light poles as evidenced by (1) City Council adoption of a plan, program or budget, (2) active negotiations with third parties for the implementation of an administrative plan or program, or (3) expenditure of City resources towards the implementation of any plan or program. City plans or programs that are merely conceptual and for which the City has not expended City resources shall not be considered "planned" for purposes of this paragraph.

b. Licensee shall use commercially reasonable efforts to perform any Work in a manner which will not cause any interruption of Licensor's street-lighting services or

other equipment, or damage Light Poles or Licensor's existing Light Pole attachments or equipment, or damage or interfere with any existing third party Light Pole attachments.

c. All Work shall be performed at Licensee's sole risk and cost and shall be performed in a good and workmanlike manner and Licensee shall indemnify, defend and hold harmless Licensor, its elected officials, staff, directors, invitees, employees, agents, contractors, successors and assigns, from any and all costs, liabilities, claims and expenses, including those from death or injury to any person or from a loss or damage to any real, personal or other property, to the extent arising out of or pertaining to any Work, or any act or failure to act by any of Licensee's employees, agents, or contractors in relation to the Upgraded Attachments and Future Attachments.

d. The performance of any Work shall comply with the requirements for such Work as contained in applicable industry standards, specific work requirements imposed by Licensor or a third party, or in any Applicable Requirements associated with the Work.

e. Upon written notification from Licensor or a government authority that the Attachment or any Equipment is out of compliance with any Applicable Requirement or is unsafe or hazardous, Licensee shall promptly take whatever actions are necessary to come into full compliance with such Applicable Requirements or to remedy the unsafe or hazardous condition, as the case may be. Notwithstanding any other provision of this Agreement, if at any time, in Licensor's sole judgment, an unsafe or dangerous condition exists, Licensor shall immediately notify Licensee and Licensee shall have twenty-four (24) hours from such notice to remedy the unsafe or dangerous condition. If Licensee does not remedy the unsafe or dangerous condition within such twenty-four (24) hour period, then Licensor may correct such condition and notify Licensee of such correction within three (3) business days. If at any time, in Licensor's sole judgment, an imminent threat to human life or safety exists, Licensor may correct such condition and notify Licensee of such correction within three (3) business days.

f. Licensee shall not drill, burn or punch any holes in a Light Pole, without first obtaining written consent from Licensor, which consent shall not be unreasonably withheld. Licensee shall reimburse Licensor for any damage to any Licensor Light Pole in connection with the use, repair, restoration or replacement of a Light Pole by Licensee.

g. Licensee shall follow Licensor's established procedures to request Licensor to replace a Licensor Light Pole with a Custom Light Pole, and Licensee shall be solely responsible for all costs of such request and any resulting replacement.

h. Notwithstanding the foregoing, if Licensee requests to place Attachments, including Attachments, Upgraded Attachments, and Future Attachments, on Licensor's Light Poles during the term of this Agreement that would exceed three percent (3%) of the total number of Licensor's Light Poles, the Parties will meet and use good faith efforts to agree on increasing the number of Future Attachments allowed under this Agreement.

## 7. REMOVAL OF AN ATTACHMENT FROM A LIGHT POLE

a. Licensee may at any time remove an Attachment from any Light Pole. Notice of any such removal shall be provided to Licensor within sixty (60) business days after such removal and Licensor's Light Pole shall be repaired and restored to its original condition.

b. Nothing in this Agreement shall be construed to limit Licensor's rights, at any time, to remove a Light Pole from service or to require Licensee to remove its Attachment from a Light Pole that is being removed from service. In the event Licensor requires Licensee to remove its Attachment from a Light Pole that is being removed from service, then Licensor will notify Licensee ninety (90) days prior to the removal and use reasonable efforts to supply Licensee with an alternative Light Pole for such Attachment. Licensee shall complete removal of its Attachment within ninety (90) days of Licensor's request to do so.

c. Whenever Licensee removes an Attachment, Licensee shall restore the Light Pole to its original condition, reasonable wear and tear excepted, except where Licensor notifies Licensee that restoration is unnecessary because the Light Pole is being removed from service or Licensor agrees otherwise.

d. When a Light Pole that contains an existing Attachment is relocated or replaced by Licensor, and there is a suitable other location for a new Light Pole or an existing Light Pole which could be used by Licensee for its Attachment, then Licensor and the Licensee may agree that Licensee may so use the other location or Light Pole and amend Exhibit A to reflect the transfer of Licensee's Attachment Rights. Except in emergency situations, Licensor will notify Licensee ninety (90) days prior to relocation or replacement of Light Pole.

## 8. RISK OF LOSS; RESTORATION OR REPAIR OF LIGHT POLE

In the event a Light Pole is damaged or destroyed, restoration of Licensor's use of a Light Pole shall take priority over Licensee's restoration of its use; provided, however, that Licensor shall not unreasonably delay Licensee's opportunity to restore the use of its Attachment. Licensor shall permit Licensee to make repairs to restore use of the Attachment, as long as such restoration efforts do not interfere with Licensor's restoration activities. In addition, Licensee shall fully cooperate with Licensor if Licensor performs any repairs or other work on the Light Pole, which work may require a temporary shutdown of Licensee's Attachment. The Licensor shall notify the Licensee at least 48 hours prior to planned repairs that will require a shutdown of the Licensee's Attachment.

## 9. REGULATORY MATTERS

To the extent that this Agreement is subject to the jurisdiction of any regulatory authority, Licensor and Licensee acknowledge that this Agreement may be subject to such

changes, modifications or termination as that regulatory authority may direct from time to time in the exercise of its jurisdiction.

## 10. INDEMNIFICATION AND LIMITATION OF LIABILITY

a. Licensee shall indemnify, defend and hold harmless Licensor, its elected officials, staff, directors, invitees, employees, agents, contractors, successors and assigns, from any and all costs, liabilities, claims and expenses, including those from death or injury to any person or from a loss or damage to any real, personal or other property, to the extent arising from any negligent act or omission by Licensee, or by any of Licensee's employees, agents, or contractors in performing this Agreement.

b. Intentionally Omitted.

c. Licensor shall promptly notify the Licensee of the existence of any matters to which Licensee's indemnity obligations apply. Upon demand by Licensor, the Licensee shall defend at its own expense with mutually acceptable counsel any such matter; provided that Licensor shall at all times also have the right to fully participate in the defense and consent to any settlement or compromise.

d. IN NO EVENT SHALL EITHER PARTY BE LIABLE TO THE OTHER PARTY FOR ANY INCIDENTAL, INDIRECT, SPECIAL, CONSEQUENTIAL, OR PUNITIVE DAMAGES (INCLUDING LOSS OF THE OTHER PARTY'S CUSTOMERS OR GOOD WILL, OR LOST REVENUE OR PROFITS), FOR ANY CAUSE OF ACTION, WHETHER IN CONTRACT OR TORT, ARISING IN ANY MANNER FROM THIS AGREEMENT OR THE PERFORMANCE OR NON-PERFORMANCE OF OBLIGATIONS HEREUNDER, REGARDLESS OF THE CAUSE OR FORESEEABILITY THEREOF.

## 11. TITLE AND RISK OF LOSS

a. Licensor shall have and retain sole and exclusive ownership of all Light Poles, and Licensor's ownership shall not be affected by Licensee's Attachment to the Light Pole.

b. Except as otherwise provided for herein, Licensee shall retain its ownership of the Attachment and any Equipment at all times.

## 12. INSURANCE

At all times during the term of this Agreement, Licensee shall maintain and shall require its subcontractors that perform any Work pursuant to this Agreement to maintain insurance coverage as described below:

a. Worker's Compensation Insurance with statutory limits, in accordance with the laws of the State of California, and Employer's Liability Insurance with limits of not



less than one million dollars (\$1,000,000). Licensee shall require its insurer to waive all rights of subrogation against Licensor, its officers, agents and employees.

b. Commercial General Liability Insurance, including coverage for bodily injury, property damage, products/completed operations liability and contractual liability, with a per occurrence limit of not less than two million dollars (\$2,000,000). Such insurance shall (i) name the City of Moreno Valley, Community Services District of Moreno Valley (“CSD”) and the Moreno Valley Housing Authority, its officers, agents, and employees as additional insureds, but only for Licensee’s negligent acts or omissions; (ii) be primary for all purposes; and (iii) contain standard cross-liability provisions.

c. Liability and Property Damage Insurance coverage for owned and non-owned automotive equipment operated on City of Moreno Valley/CSD/Moreno Valley Housing Authority premises. Such coverage limits shall not be less than \$1,000,000 combined single limit.

Written proof of compliance with the requirements of this Section, consisting of Certificates of Insurance and a copy of the Additional Insured Endorsement for the Commercial General Liability insurance policy, in a form acceptable to Licensor, shall be provided to Licensor prior to any Attachment or the installation of any Equipment upon an Light Pole and prior to the expiration of each policy year thereafter. The Certificates of Insurance shall provide that this insurance shall not be terminated, canceled or reduced except on thirty days’ prior written notice to Licensor. Failure to provide and maintain such insurance shall constitute a default under this Agreement. Licensee may self-insure any and all of the above insurance requirements.

### **13. REMEDIES IN THE EVENT OF DEFAULT**

If either Party fails to comply with a material term or condition of this Agreement, the non-breaching party shall provide written notice to the defaulting party of such non-compliance. The breaching party shall then have thirty (30) days (except in the case of health and safety issues, which shall require cure within forty-eight (48) hours) from receipt of such notice to reasonably cure such non-compliance. If such a cure is not completed within the thirty (30) day period (or 48 hour period as provided above), or if a cure is not possible within such period and the breaching party has not taken steps to effect such cure, then the non-breaching party may pursue its legal remedies relating to such non-compliance.

### **14. DISPUTE RESOLUTION**

a. Except as may otherwise be set forth expressly herein, all disputes arising under this Agreement shall be resolved as set forth in this Section 14.

b. Licensor and Licensee shall attempt in good faith to resolve any dispute arising out of or relating to this Agreement promptly by negotiations between an authorized representative of each of the Parties. Any dispute which cannot be resolved

between the authorized representative shall be referred to an officer or designee of Licensee and Licensor. Licensor or Licensee shall give the other Party written notice of any dispute following expiration of the applicable cure period pursuant to Section 13. Within twenty (20) days after delivery of such notice, the designated parties shall meet at a mutually acceptable time and place, and thereafter as often as they reasonably deem necessary to exchange information and to attempt to resolve the dispute. If the matter has not been resolved within thirty (30) days of the first meeting, the Parties will consider and decide whether the dispute should be submitted to mediation. The Parties will cooperate with one another in selecting the mediator ("Mediator") from the panel of neutrals from Judicial Arbitration and Mediation Services, Inc. ("JAMS"), its successor, or any other mutually acceptable non-JAMS Mediator, and in scheduling the time and place of the mediation.

c. To the extent allowable by law, all negotiations and any mediation conducted pursuant to this Section 14 shall be confidential and shall be treated as compromise and settlement negotiations, to which Section 1152.5 of the California Evidence Code shall apply, which section is incorporated in this Agreement by reference.

d. Notwithstanding the foregoing provisions, either Licensor or Licensee may seek immediate equitable relief, a preliminary injunction or other provisional judicial remedy.

e. Licensor and Licensee shall continue to perform their obligations under this Agreement pending final resolution of any dispute arising out of or relating to this Agreement.

f. If Licensor and Licensee, after good faith efforts to resolve a dispute under the terms of this Agreement (as provided in Subpart b above), cannot agree to a resolution of the dispute, either party may pursue whatever legal remedies may be available to such party, at law or in equity, before a court of competent jurisdiction and with venue in Riverside County, California.

## 15. TAXES AND LIENS

Licensee shall pay when due any and all taxes or assessment resulting from any Attachment on any Light Pole including, but not limited to, special assessments and governmental fees of any kind whatsoever which may be levied or assessed upon any personal property which Licensee has caused to be placed or maintained upon Licensor's facilities, or against Licensee's business and shall keep Licensor's property and facilities, including any Light Poles, free from all liens, including but not limited to mechanics liens, and encumbrances by reason of the use, occupancy, or maintenance of Licensor's facilities or property by Licensee or by any person claiming under Licensee. It is further agreed that in the event Licensee fails to pay the above-mentioned taxes, assessments, or liens when due, Licensor shall have the right to pay the same and invoice Licensee for the

amount thereof and Licensee shall pay the same upon demand together with interest at the maximum rate allowed by law from the date of such expenditure by Licensor.

## 16. NOTICES

Notices hereunder must be in writing and transmitted by United States mail or by personal delivery to Licensor. Such notices shall be deemed given: (a) upon receipt in the case of personal delivery or confirmed facsimile transmittal; (b) two (2) days after it is sent by certified mail, with a return receipt requested, (c) three (3) days after deposit in the mail, or the next day in the event of overnight delivery.

If to Licensor: City of Moreno Valley  
Special Districts Division Manager  
Candace Cassel  
14331 Frederick St. Moreno Valley, CA 92553

If to Licensee: Southern California Edison  
Manager of Streetlights Attention: John King  
6042 A Irwindale Ave, Irwindale CA 91702

## 17. DISCLAIMER

**LICENSOR MAKES NO REPRESENTATION OR WARRANTY WHATSOEVER CONCERNING THE SUITABILITY OR CONDITION OF ANY LIGHT POLE. FURTHERMORE, IT IS SPECIFICALLY UNDERSTOOD AND HEREBY ACKNOWLEDGED BY LICENSEE THAT ANY LIGHT POLE MADE AVAILABLE HEREUNDER, TO THE MAXIMUM EXTENT PERMISSIBLE BY LAW, WILL BE PROVIDED BY LICENSOR ONLY ON AN "AS-IS" BASIS AND WITHOUT ANY WARRANTY BY LICENSOR ABOUT THE CONDITION OF THE LIGHT POLE OR ITS SUITABILITY FOR LICENSEE'S PURPOSES. FURTHER, LICENSEE'S RIGHTS HEREUNDER SHALL BE SUBORDINATE TO LICENSOR'S USE OF THE LIGHT POLE FOR MUNICIPAL SERVICES.**

## 18. GENERAL PROVISIONS

a. California Law. This Agreement, and performance pursuant to it, shall be governed, interpreted, construed, and regulated by the laws of the State of California, without reference to its conflicts of laws provisions.

b. Assignment. Neither Party may assign, transfer, sublease, or sublet any right, obligation, or privilege given to it hereunder without the prior written consent of the other Party. Subject to the foregoing, this Agreement shall inure to the benefit of and be binding upon the respective successors and assigns of the Parties hereto.

c. Interpretation. The language of each part of this Agreement shall be construed simply and according to its fair meaning, and shall never be construed either for or against either Party, regardless of which Party may have drafted the provision.

d. Nature of Rights. Nothing in this Agreement shall preclude Licensor from granting any third-party permission to use available capacity on a Light Pole in ways that do not interfere with the rights granted to Licensee under this Agreement.

e. Invalidity of Provisions. To the extent that any terms or provisions of this Agreement shall be finally determined by a court of competent jurisdiction to be invalid, (i) such invalidity shall not affect, release or modify any other terms or provisions, and (ii) in lieu of each such provision which is invalid, illegal or unenforceable, there shall be substituted or added as part of this Agreement a legal, valid and enforceable provision which shall be selected to be as similar as possible, in achieving the economic and business objectives of the Parties, to such illegal, invalid or unenforceable provision.

f. Waiver. The failure of either Party to enforce any provision of this Agreement or the waiver thereof in any instance, including but not limited to the right to terminate, shall not be construed as a general waiver or relinquishment on its part of any such provision but the same shall nevertheless be and remain in full force and effect.

g. Incorporation Clause. This Agreement, including attached Exhibits, incorporate all the covenants and understandings between Licensor and Licensee regarding the subject matter of this Agreement. No other verbal agreements or understandings exist between the Parties nor shall any be binding upon either Licensor or Licensee unless reduced to writing and signed by the Parties. Any addition, variation or modification to this or any other Agreement shall be ineffective unless made in writing and signed by the Parties.

h. Radio Frequency Emission (“RFE”) Compliance. Licensee shall be responsible, at its sole cost and expense, for ensuring compliance with all regulations relating to RFE. Licensor will cooperate with Licensee, where possible, to allow Licensee to place required signage on a Light Pole where this is necessary to comply with RFE regulations. In addition, Licensee shall use its best efforts to minimize the RFE impact on health of workers and on future uses of the Light Pole.

i. Exhibits. Exhibits referenced herein are incorporated by said reference. Licensee shall provide any updates of Exhibit A to Licensor within thirty (30) days of Licensor’s written request, delivered pursuant to Section 16 of this Agreement, but not more often than once each calendar quarter. Specifically included as exhibits to this Agreement hereto are:

Exhibit A: List of Installed Attachments

j. Confidentiality. Notwithstanding any language to the contrary in any applicable non-disclosure or confidentiality agreement between the Parties, Licensor may, without the prior consent of the Licensee, provide confidential or proprietary information related to this Agreement to a governmental or regulatory entity that requests such information or as otherwise required by law.

**SIGNATURES**

By signing below, the signatories hereto represent and warrant that they have been duly authorized to sign this Agreement on behalf of the Party for whom they sign.

**CITY OF MORENO VALLEY,  
a Municipal corporation**

**SOUTHERN CALIFORNIA EDISON  
COMPANY, a California corporation**

By: \_\_\_\_\_  
Print  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
\_\_\_\_\_  
Date: \_\_\_\_\_

By: \_\_\_\_\_  
Name: Pete Dietrich  
\_\_\_\_\_  
Title: Sr. Vice President of Transmission  
and Distribution  
\_\_\_\_\_  
Date: \_\_\_\_\_

Attachment: City Council Staff Report, October 18, 2016 (2526 : FINAL PURCHASE AND SALE AGREEMENT FOR SOUTHERN CALIFORNIA



**EXHIBIT A**

**List of Attachments**

SmartConnect Installed Devices

NetComm Installed Devices

**Candace Cassel**

**From:** John King <John.King@sce.com>  
**Sent:** Thursday, September 22, 2016 3:47 PM  
**To:** Candace Cassel  
**Cc:** Jamie Vargas; Ahmad R. Ansari, P.E.  
**Subject:** RE: (External):MoVal Purchase and Sale Agreement

Candace – Thank you and we will work hand in hand to meet your goals. Thank you also for formalizing the request and as discussed, I am glad to grant the extension for the street light acquisition opportunity through the end of the calendar year. Remember that the requirement is to have an executed agreement and we don't have to complete the filing etc... Beyond the extension to the end of the year, I will need to seek senior management concurrence if we are still working to finalize an agreement. Thanks again...JCK

John C. King  
 Southern California Edison  
 Manager, BCD Street Light Projects  
 6042A North Irwindale Avenue  
 Irwindale, California 91702  
 626-815-7256 (office)  
 626-278-4057 (cell)

[Privacy Notice](#)

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**From:** Candace Cassel [<mailto:candacec@moval.org>]  
**Sent:** Thursday, September 22, 2016 11:57 AM  
**To:** John King <[John.King@sce.com](mailto:John.King@sce.com)>  
**Cc:** Jamie Vargas <[Jamie.Vargas@sce.com](mailto:Jamie.Vargas@sce.com)>; Ahmad R. Ansari, P.E. <[ahmada@moval.org](mailto:ahmada@moval.org)>  
**Subject:** (External):MoVal Purchase and Sale Agreement

Hi John – thanks for the return call. The City Manager has directed this item be scheduled for the October 18<sup>th</sup> Council Agenda. We are hopeful the Agreement will be finalized on Monday (September 26<sup>th</sup>) and we will have the final Purchase and Sale Agreement by the end of next week (September 30<sup>th</sup>). This will enable us to meet our Agenda publishing deadline (we publish 12 days in advance).

As a back-up only, Moreno Valley is requesting an extension through the end of the calendar year to enter into the Agreement.

We appreciate the consideration and value our relationship with SCE. Please let me know if you have any questions.

**Candace Cassel**

**Special Districts Division Manager**  
**Public Works**  
**City of Moreno Valley**

p: 951.413.3489 | e: [candacec@moval.org](mailto:candacec@moval.org) W: [www.moval.org](http://www.moval.org)

14331 Frederick St., Moreno Valley, CA 92553



# Western Riverside Council of Governments Executive Committee

## Staff Report

**Subject:** Regional Streetlight Program Activities Update

**Contact:** Tyler Masters, Program Manager, [masters@wrcog.cog.ca.us](mailto:masters@wrcog.cog.ca.us), (951) 955-8378

**Date:** September 12, 2016

### Requested Action:

1. Recommend, for those jurisdictions interested in using financing for the acquisition and retrofitting of streetlights, that they utilize Bank of America Public Capital Corporation (which was deemed the most responsive during the bid process by WRCOG staff and its Financial Advisor, Public Financial Management, for being able to provide the most competitive financing for the Regional Streetlight Program).

*WRCOG's Regional Streetlight Program will assist member jurisdictions with the acquisition and retrofit of their Southern California Edison (SCE)-owned and operated streetlights. The Program has three phases, which include 1) streetlight inventory; 2) procurement and retrofitting of streetlights; and 3) ongoing operations and maintenance. The overall goal of the Program is to provide significant cost savings to the member jurisdictions.*

### Program Update

At the direction of the WRCOG Executive Committee, WRCOG is developing a Regional Streetlight Program that will allow jurisdictions (and Community Service Districts) to purchase the streetlights within their boundaries that are currently owned / operated by SCE. Once the streetlights are owned by the member jurisdiction, the lamps will then be retrofitted to Light Emitting Diode (LED) technology to provide more economical operations (i.e., lower maintenance costs, reduced energy use, and improvements in public safety). Local control of its streetlight system allows jurisdictions opportunities to enable future revenue generating opportunities such as digital-ready networks, and telecommunications and IT strategies.

The goal of the Program is to provide cost-efficiencies for local jurisdictions through the purchase, retrofit, and maintenance of streetlights within jurisdictional boundaries, without the need of additional jurisdictional resources. As a regional Program, WRCOG is working with each of the jurisdictions to move through the acquisition process, develop financing recommendations, develop / update regional and community-specific streetlight standards, and manage the regional operations and maintenance agreement that will increase the level of service currently being provided by SCE.

Cash-flow meeting update: WRCOG staff has conducted streetlight cash-flow meetings with the Cities of Calimesa, Eastvale, Hemet, Lake Elsinore, Menifee, Murrieta, Norco, Perris, San Jacinto, Temecula, Wildomar, the County of Riverside, and with the Rubidoux and Jurupa Community Services Districts. Meetings with remaining jurisdictions are being scheduled.

The purpose of the cash-flow meetings is to provide jurisdictional staff (i.e., Finance Director, City Manager, senior staff, etc.) with the financial information needed for staff to make a recommendation on whether it is feasible to move forward with the acquisition and retrofit of the streetlights currently owned by SCE.

On a regional basis, WRCOG is identifying a 50-60% reduction in utility bills after streetlight acquisition and retrofit to LED fixtures. These savings are due primarily to reductions in maintenance and energy costs. Additionally, WRCOG has developed a feasibility model that includes a variety of financial sensitivities, including utility cost reductions, energy cost reductions, operations and maintenance costs (including pole knockdown replacement costs), debt service of ownership, and LED retrofit for each jurisdiction's streetlight system, and also includes a re-lamp reserve. The re-lamp reserve is a reserve to set aside funds to ensure that in 15 years (when the LED streetlights are projected to wear out) each jurisdiction will have funds to retrofit to the next generation of energy efficient street lighting, without negatively impacting the jurisdiction's general fund. This model has been provided to each member jurisdiction for their review. This tool will allow City staff to toggle variables (interest rates, re-lamp reserve, number of poles, etc.) to quantify how cash flows are impacted in various scenarios.

Financing Update: On August 18, 2016, (WRCOG Technical Advisory Committee), August 10, 2016, (WRCOG Administration & Finance Committee), and July 28, 2016, (WRCOG Finance Director's Committee), Public Financial Management (PFM), consultant on this Program, provided presentations on the financing strategies being proposed. Each of the Committees have approved the requested action provided in this staff report. A copy of PFM's recommendation memo, which also outlines the bid process that was undertaken, is attached.

WRCOG and PFM staff considered numerous financing options. These options included WRCOG-pool financing, individual city-issues bonds, California Infrastructure bank loans, California Energy Commission, and direct placement leases financing options. Member jurisdictions have expressed interest in the WRCOG-pool and direct placement lease options as potential financing structures. The WRCOG-pool option would allow WRCOG to set up a single transaction and release the funds to jurisdictions on a needed basis; however, this structure could potentially encounter timing challenges given the fact that each jurisdiction will be moving through the acquisition and retrofit processes at different times. The alternative structure (Direct placement lease) would allow for additional flexibility on timing, and allow for slightly differentiated jurisdictional interest rates given credit ratings. Upon Executive Committee authorization, staff will begin to work with Bank of America to develop a financing structure for acquisition and retrofit of the streetlights.

Background on the bid process: On March 7, 2016, WRCOG released a Request for Bids (RFB) to select a financing vendor that would provide capital to member jurisdictions for the acquisition process at a competitive rate. WRCOG staff and PFM have been working with Bank of America, which was deemed the most responsive and best option during the bid process and meets the needs of the Program. Bank of America has proven to have the following:

1. Ability to provide financing to all participating jurisdictions in the Program
2. Provide financing for both purchase and LED retrofit
3. Streetlights accepted as sole collateral
4. Able to finance as either taxable or tax-exempt debt
5. Smart City usage permitted
6. The qualifications and experience of the proposing firm
7. Competitive fee proposal for all jurisdictions

Regional Demonstration Area Update: During the week of August 29 through September 2, 2016, WRCOG is creating a Regional Streetlight Demonstration Area in five different locations throughout the City of Hemet to showcase various LED streetlights from 11 different vendors. The Demonstration Areas incorporate multiple land use types (residential, commercial, industrial, etc.) that jurisdictional leaders, staff, and members of the public will be able to view and provide feedback.

To gain additional input, staff will coordinate multiple educational tours in October / November 2016. The use of electronic and physical surveys will be used to gain feedback from the public. Results from the surveys will be used to assess preferences of the LED lights and rank the selection of viable LED lights to use for the Program. The Streetlights will be marked with a designated pole tag to help stakeholders identify which lights are or are not part of the Program.

A media kit is being developed and will include sample press releases, brochures and informational items, a “frequently asked questions” sheet, signage, social media language, and a map of the Demonstration Areas. The media kit will be available for all member jurisdictions to distribute to their community within the next week.

The following is a map depicting Demonstration Area locations and a sample of the streetlight pole identification tag that will be used.



Map of Demonstration Areas





City of Hemet streetlight pole identification tag on the left.

Demonstration Area Streetlight tag identification tag on the right.

Recommendation and selection of the new lighting fixtures is expected to be provided to and considered by WRCOG Committees at the conclusion of the Demonstrations Areas in early 2017.

#### **Prior WRCOG Actions:**

August 18, 2016: The WRCOG Technical Advisory Committee recommended, for those jurisdictions interested in using financing for the acquisition and retrofitting of streetlights, that they utilize Bank of America Public Capital Corporation (which was deemed the most responsive during the bid process by WRCOG staff and its Financial Advisor, Public Financial Management, for being able to provide the most competitive financing for the Regional Streetlight Program).

August 10, 2016: The WRCOG Administration & Finance Committee recommended, for those jurisdictions interested in using financing for the acquisition and retrofitting of streetlights, that they utilize Bank of America Public Capital Corporation (which was deemed the most responsive during the bid process by WRCOG staff and its Financial Advisor, Public Financial Management, for being able to provide the most competitive financing for the Regional Streetlight Program).

#### **WRCOG Fiscal Impact:**

Activities for the Regional Streetlight Program are included in the Agency's adopted Fiscal Year 2016/2017 Budget under the Energy Department.

#### **Attachment:**

1. PFM Streetlight Financing Partner Recommendation.

# Item 5.E

## Regional Streetlight Program Activities Update

# Attachment 1

## PFM Streetlight Financing Partner Recommendation

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Public Financial Management, Inc. 213-489-4075  
 601 S. Figueroa St., Suite 4500 213-489-4085 fax  
 Los Angeles, CA 90017 www.pfm.com

July 21, 2016

## Memorandum

**To:** Western Riverside Council of Governments:  
 Rick Bishop, Executive Director  
 Barbara Spoonhour, Director of Energy and Environmental Programs  
 Tyler Masters, Program Manager  
 Anthony Segura, Staff Analyst

**From:** Public Financial Management, Inc.  
 Laura Franke, Managing Director  
 Felicia Williams, Senior Managing Consultant

**CC:** Phil Bowman, Muni-Fed Energy  
 Jim Filanc, Southern Contracting

**Re:** Western Riverside County of Governments:  
 RFP # S-727, Financing for Streetlight Acquisition & Retrofit

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On behalf of Western Riverside Council of Governments (“WRCOG”), Public Financial Management, Inc. (“PFM”) has been pleased to assist with the solicitation, evaluation and additional consideration of funding partner selection for the Regional Streetlight Program. Based on the offers received and questioning of the respondents, we recommend the appointment of Bank of America Public Capital Corporation (“BAPCC”) to serve as funding partner for WRCOG’s Regional Streetlight Program (the “Program”).

On March 7, 2016, WRCOG solicited Requests For Bids from the 56 firms identified in the following table. The table indicates which of the solicited firms responded.



Lender	Response	Lender	Response	Lender	Response
Banc of America Public Capital Corp	✓	GE Capital	-	Siemens Financial Services	-
Bank of Marin	-	Hannon Armstrong	-	Signature Bank	x
Bank of the West	-	Holman Capital	-	Solano First Credit Union	-
Barclays	-	IBEW	-	SolarMax	✓
BB&T	-	I-Bank	x	Sovereign Bank	-
BBVA Compass	✓	JP Morgan Chase	x	State Street Bank and Trust Company	-
BMO Harris	-	KeyBank	-	Stifel	-
BNY Mellon	-	Lance Capital	-	STRS	-
California Bank and Trust	-	Mitsubishi	-	Sumitomo Mitsui Banking Corporation	-
CapitalOne Public Funding	-	Mizuho	-	Suntrust Bank	-
Citi	-	NECA	-	TD Bank	-
Citizens Bank	-	New Resource Bank	-	Travis Credit Union	-
City National Bank	-	Northern Trust	-	Umqua Bank	-
Comerica Leasing Corp	-	Oppenheimer	-	Union Bank	-
Duetsche Bank	-	PNC Bank	x	Wells Fargo Bank	-
Eas West Bank	-	RBC	-	Western Alliance Equipment Finance	-
First Republic Bank	-	Rockfleet Financial	-	Wulff, Hansen & Co.	✓
First Security Leasing	-	Rosemawr Management	-	Zion's Bank/NSB	-
Fremont Bank	-	Santander	-		

In evaluating the responses received, the primary considerations were:

- (1) Provide financing for all participating jurisdictions in the Program
- (2) Provide financing for both purchase and LED retrofit
- (3) Streetlights accepted as sole collateral
- (4) Able to finance as either taxable or tax-exempt debt
- (5) Smart City usage permitted
- (6) The qualifications and experience of the proposing firm
- (7) Competitive fee and interest rate proposals for all jurisdictions

After receiving the proposals, telephone interviews were scheduled with the respondents. Through these interviews PFM discerned that one of the firms was not proposing a compliant structure to serve as funding partner:

- SolarMax suggested a structure that would not be viable under the regulatory framework for streetlight acquisition. The structure suggested would require that SolarMax become the purchaser of the streetlights from Southern California Edison (“SCE” or “Edison”) and then sell the streetlights to the jurisdictions after retrofitting. In addition to the financial structuring concerns, SolarMax indicated a requirement for use of their equipment, and a significantly higher borrowing rate than the other respondents. WRCOG’s evaluation team discussed these concerns with SolarMax during the verbal evaluation and no additional information or follow up was provided by the bidder.





Of the remaining bidders, it was determined that BBVA was qualified but lacked the depth of specific streetlight experience of the other two bidders. Wulff, Hansen initially provided a vague level of specificity in their response; and after several conversations, provided a formal bid from an investor, Hannon Armstrong, who would actually provide capital for the transactions. Wulff, Hansen's representative is a former energy service company finance professional with experience in this type of project finance; and, Hannon Armstrong, is a real estate investment trust that specifically invests in energy-related improvements. Wulff, Hansen and Hannon Armstrong provide a reasonable alternative, but the coordination between the two firms relative to the timing of providing their bid raised concerns on their ability to meet the Program's schedule and conform to timely processing needs. The remaining bidder, Bank of America, provided a complete and timely bid, was able to respond to questions relative to the content of that bid, has demonstrated experience with other streetlight financing; and, upon request, and was able to verbally indicate pricing levels that were in the range expected by the evaluation team.

Given their experience, understanding of Program needs and competitive pricing, it is PFM's opinion and recommendation that the Program appoints Bank of America as the funding partner for the WRCOG Streetlight Program. We appreciate your consideration of this recommendation, and we are available to provide additional information or answer any questions you have.



Desired Components	Bank of America	BBVA Compass	Solar Max	Wulff, Hansen / Hannon Armstrong
Able to provide financing to all cities? <sup>1</sup>	Yes	Maybe	Yes	Yes
Financing for purchase, retrofit and soft costs	Yes	Yes	Yes	Yes
Enhancement / Reserve requirements	Maybe	Maybe	No	Jurisdictions will deposit one year of lease payments into a DS Reserve Fund at closing
15 year financing term	Yes	Yes	Yes	Yes (up to 23 years)
12 month construction period	Yes	Yes	Yes	Yes
Streetlights sole collateral	Yes	Yes - strong credit cities. Weaker credit cities may need essential property as additional collateral	Yes	Yes
Smart cities usage allowed	Yes	Maybe	Yes, but reserve right of first refusal. If Solar Max product exists for smart city purpose, SolarMax product must be used.	Yes
<i>Indicative</i> <sup>2</sup> 15 year Tax-Exempt Rate	2.25 – 2.75%	2.75 – 3.25%	No. Tax-exempt financing has no benefits to foreign investors	4.64%
<i>Indicative</i> 15 year Taxable Rate	3.50 – 4.25%	4.25 – 4.60%	8.0% for 15 year term	4.64%

<sup>1</sup> Banks are all subject to additional credit approvals, Solar Max not.



Desired Components	Bank of America	BBVA Compass	Solar Max	Wulff, Hansen / Hannon Armstrong
5 year optional call	2% premium (200 bps) on any payment date after fifth year	+15-30 bps on interest rate	No	3% premium (300 bps) on any payment date after fifth year
10 year optional call	2% premium (200 bps) on any payment date after fifth year	No additional spread/premium	No	No premium after ten years
Fees	Usual and customary fees <sup>3</sup> , including lender counsel	Lender counsel fee \$5k-\$10k / transaction	0.5% (50 bps) \$2,000 doc fee	Usual and customary fees, no charge for lender counsel
Flexible/open to additional retrofit financing for already owned streetlights	Yes	Yes	Yes	Yes
Flexible/open to additional jurisdictions not originally in the program	Yes	Yes	Yes	Yes

<sup>2</sup> Indicative rates were provided verbally by Bank of America and BBVA. Final rates will be subject to individual credit and market conditions at the time of pricing.

<sup>3</sup> Fees include standard transaction closing costs: Bond Counsel, Financial Advisor, Escrow Agent, CDIAC fees, insurance.

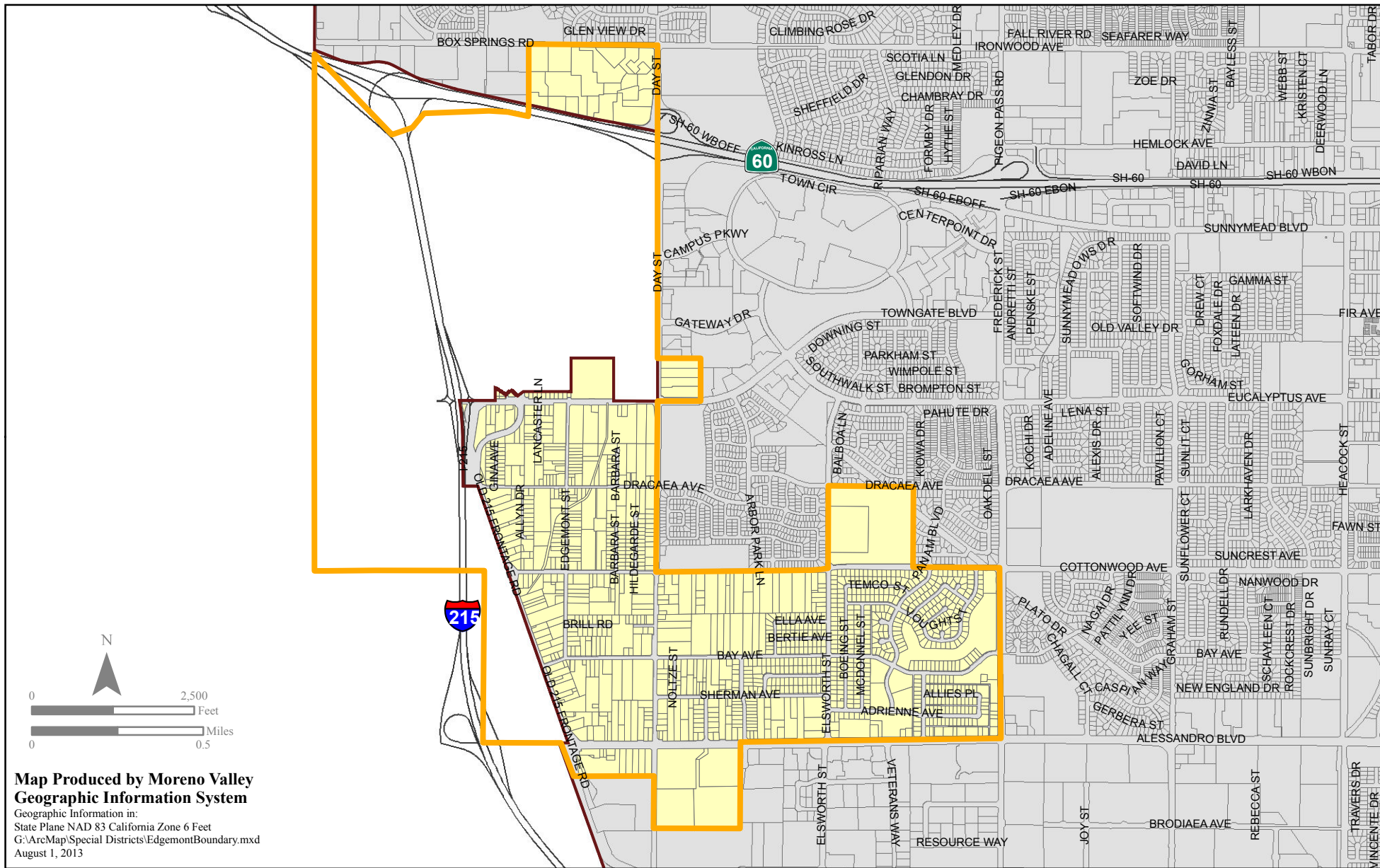


Desired Components	Bank of America	BBVA Compass	Solar Max	Wulff, Hansen / Hannon Armstrong
<p><b>Notes / Considerations</b></p>	<p>All subject to underwriting and credit approval/ due diligence</p> <p>Has extensive experience working with streetlight financing.</p>	<p>All subject to underwriting and credit approval/ due diligence</p>	<p>Financing dependent on use of Solar Max products</p> <p>EB-5 funding is only available to the retrofit costs and has a 5 year maximum term</p>	<p>All subject to underwriting and credit approval/ due diligence</p>

In addition to the responses detailed above, California I-Bank and Signature Public Funding indicated an interest in future opportunities, though likely on a city-by-city basis.

JP Morgan and PNC were not able to get approval to submit an indication of interest.





# CITY OF MORENO VALLEY EDGEMONT COMMUNITY SERVICES DISTRICT



### Map Produced by Moreno Valley Geographic Information System

Geographic Information in:  
State Plane NAD 83 California Zone 6 Feet  
G:\ArcMap\Special Districts\EdgemontBoundary.mxd  
August 1, 2013

The information shown on this map was compiled from the Riverside County GIS and the City of Moreno Valley GIS. The land base and facility information on this map is for display purposes only and should not be relied upon without independent verification as to its accuracy. Riverside County and City of Moreno Valley will not be held responsible for any claims, losses or damages resulting from the use of this map.

-  Edgemont Community Services District Boundary
-  Edgemont Community Services District Parcels
-  Parcels
-  Moreno Valley



Attachment: City Council Staff Report, October 18, 2016 (2526 : FINAL PURCHASE AND SALE



## EDGEMONT COMMUNITY SERVICES DISTRICT

P.O. Box 5436  
Riverside, CA 92517

August 29, 2016

Ms. Michelle Dawson  
City Manager  
City of Moreno Valley  
14177 Frederick Street  
Moreno Valley, CA 92552

SEP 01 2016  
CITY ATTORNEY'S OFFICE  
CITY OF MORENO VALLEY

Re: City of Moreno Valley's proposed purchase of street lights from Southern California Edison

Dear Ms. Dawson,

It has come to the attention of Edgemont Community Services District ("Edgemont") that the City of Moreno Valley is contemplating purchasing from Southern California Edison ("SCE") street light poles within the City. Edgemont has been unable to ascertain whether or not this proposed purchase would include poles which were requested and installed at the District's request. Edgemont has 248 street light poles which have been installed and are maintained by SCE.

The District does not want to change that arrangement. If the contemplated purchase of street light poles by the City includes poles requested by Edgemont, Edgemont objects to the inclusion in the purchase of such poles and requests that those poles be excluded from the purchase.

Sincerely,



Jessica Pfalmer

General Manager  
Edgemont Community Services District

cc: Southern California Edison  
California Public Utilities Commission

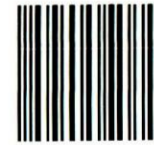
EDGEMONT COMMUNITY SERVICES DISTRICT  
P. O. BOX 5436  
RIVERSIDE, CALIFORNIA 92517

SAN BERNARDINO

CA 924



1000



92553

U.S. POSTAGE  
PAID  
RIVERSIDE, CA  
92507  
AUG 30, 16  
AMOUNT

**\$3.77**

R2304E104985-07

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT  
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE  
**CERTIFIED MAIL**



7016 0910 0001 9802 6637

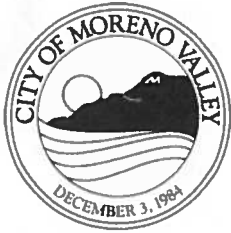
Ms. Michelle Dawson  
City Manager  
City of Moreno Valley  
14177 Frederick Street  
Moreno Valley, CA 92553



92553-903699



Attachment: City Council Staff Report, October 18, 2016 (2526 : FINAL PURCHASE AND SALE



# City of Moreno Valley Boards and Commissions Membership Application Form

CITY CLERK  
MORENO VALLEY  
RECEIVED  
17 FEB 1 AM 8:23

*Handwritten signature*

For City Clerk's Use  
Stamp Date and Time Received

Name: Brian Lowell  
Home Address: 27123 Oak Ridge Road  
Moreno Valley, CA 92555

How long have you resided in Moreno Valley? 34 years

**CONFIDENTIAL INFORMATION**

Home Phone No.: [REDACTED] Driver's License No.: [REDACTED]  
Work Phone No.: [REDACTED] Cell Phone No.: [REDACTED]  
E-mail Address: [REDACTED]

Employer Name: Hunsaker & Associates Position: Engineer  
Address: 2900 Adams Street; Suite A-15  
Riverside, CA 92504

Board or Commission applying for\*: 1<sup>st</sup> Choice Planning Commission  
2<sup>nd</sup> Choice \_\_\_\_\_

\*If applying for the Accessibility Appeals Board, please indicate which position you are applying for:  
 Physically Challenged Person  Person Experienced in Construction  Public Member

\*If applying for the Utilities Commission, please indicate which position you are applying for:  
 Public Member  Customer of Moreno Valley Utility  Business Customer of Moreno Valley Utility

Why do you wish to serve on this Board and/or Commission?  
As a civil engineer with 17 years of experience, I know how important the planning commission is, and how vital the entitlement process is.  
As a planning commissioner, I would like to continue to provide clear and concise recommendations to the City Council on zoning relate issues.

List any education, training, or special skills, you have which may be relevant or of particular benefit to this Board and/or Commission:  
Current Chairman of the Moreno Valley Planning Commission, 4 year tenure as a City Planning Commissioner  
Licensed Civil Engineer, Bachelor of Science in Civil Engineering from Cal Poly Pomona,  
Associates of Science and Associates of Arts from RCC Moreno Valley, Governors Office of Emergency Services, Safety Assessment Volunteer

Explain briefly your understanding of what this Board and/or Commission does, including its powers and limitations.  
The Planning Commission serves as an advisory board to the City Council. The commission makes decisions and recommendations pertaining to zoning and land use related issues, including Conditional Use Permits, Change of Zone, Specific Plans, and the City's General Plan and amendments.  
Most decisions made by the commission are final unless appealed to the City Council.

What do you hope to accomplish by your participation?  
I hope to help make our great city be the best is can possibly be. Including helping implement Momentum Mo Val, make our city as business friendly as possible, encourage businesses to come to Moreno Valley and employ our citizens through a streamlined entitlement process.

List any employment, volunteer work, or membership in a service/community organization that you have served on, or are now a member of. Please provide the name(s) of the agency (ies), contact person, and dates served:

Hunskauer & Associates - Civil Engineering - Paul Huddleston, Principal - 951-352-7200

Current Chairman of the Moreno Valley Planning Commission, 4 year tenure as a City Planning Commissioner

Governors Office of Emergency Services, Safety Assessment Volunteer

What other areas of interest do you have in our City government?

I have interest in the Utility Commission

Would you be available for meetings during the day  or evening?

Attendance of at least one (1) meeting is required prior to the appointment.

Date(s) of the meeting(s) attended: All meetings have been attended for the previous 4 years

Pursuant to Resolution 2016-43 all board and commission members must be registered voters of the City of Moreno Valley.

I authorize the City of Moreno Valley to obtain and review, on a confidential basis, such information regarding me as may be contained in the California State Summary Criminal History and in records of the California Department of Motor Vehicles. Yes  No  (The application shall not be considered if the NO box is checked.)

I hereby agree to attend all board or commission meetings, unless excused, and understand that I may be removed for lack of attendance, pursuant to Municipal Code, Subsection 2.06.010(C) which states, "If a member is absent without advance permission of the board or commission or of the appointing authority, from three consecutive regular meetings or from 25% of the duly scheduled meetings of the board or commission within any fiscal year, the membership shall thereupon become vacant and shall be filled as any other vacancy."

CERTIFICATE OF APPLICANT: I certify that all statements in this application are true and complete to the best of my knowledge. I understand that any false statements of material fact will subject me to disqualification or dismissal if appointed. I release the City of Moreno Valley from any liability for the use of the aforesaid information.

[Redacted Signature]

January 30, 2017

Signature

Date

Please Note: Applications will be kept on file for potential future vacancies for one year after the application submittal date. Applications are accepted year-round.





# City of Moreno Valley

## Boards and Commissions

### Membership Application Form

CITY CLERK  
MORENO VALLEY  
RECEIVED

17 FEB -2 PM 1:54

For City Clerk's Use  
Stamp Date and Time Received

Name: Carla Thornton  
 Home Address: 24511 Skyland Dr  
Moreno Valley, CA, 92557  
 How long have you resided in Moreno Valley? \_\_\_\_\_

#### CONFIDENTIAL INFORMATION

Home Phone No.: \_\_\_\_\_ Driver's License No.: [REDACTED]  
 Work Phone No.: \_\_\_\_\_ Cell Phone No.: [REDACTED]  
 E-mail Address: [REDACTED]

Employer Name: Crafton Hills College Position: Veterans Coordinator/Counselor  
 Address: 11711 Sand Canyon Road  
Yucaipa, CA 92399

Board or Commission applying for\*: 1<sup>st</sup> Choice Planning Commission  
 2<sup>nd</sup> Choice \_\_\_\_\_

- \*If applying for the Accessibility Appeals Board, please indicate which position you are applying for:  
 Physically Challenged Person  Person Experienced in Construction  Public Member
- \*If applying for the Utilities Commission, please indicate which position you are applying for:  
 Public Member  Customer of Moreno Valley Utility  Business Customer of Moreno Valley Utility

Why do you wish to serve on this Board and/or Commission?  
I have a interest in joining the Commission to assist moreno valley in planning for the future. and assist in establishing and supporting our cities development direction. I would be honored to assist the Commission in identifying issues, direction of growth and project future demands and promote our interest to the general public.

List any education, training, or special skills, you have which may be relevant or of particular benefit to this Board and/or Commission:  
Education- Masters of Social Work, university of Southern California, Masters of Arts Management, University of Redlands, Bachelors in Social Science, university of Maryland-University College.  
Skills - Legislative and Policy Analyst, Research, Grant Writing, Conflict Management and Negotiation

Explain briefly your understanding of what this Board and/or Commission does, including its powers and limitations.  
The Planning Commission oversees development and makes recommendations on matters concerning city zoning.

What do you hope to accomplish by your participation?  
If I were selected to join the Commission, I hope to contribute by providing a perspective on decisions made from a social work perspective on how decisions impact individuals and communities.



List any employment, volunteer work, or membership in a service/community organization that you have served on, or are now a member of. Please provide the name(s) of the agency (ies), contact person, and dates served:

Community Involvement - California Department of Veterans Affairs, Boardmember, Feb 2010 - Present  
City of Moreno Valley, Vice-Chairperson, Traffic Commission

What other areas of interest do you have in our City government?

I have many interest in our Cities government, these interest include, identifying important community issues, the environment and establishing goals and policies for directing and managing future development.

Would you be available for meetings during the day  or evening?

Attendance of at least one (1) meeting is required prior to the appointment.

Date(s) of the meeting(s) attended: 3/24/16

Pursuant to Resolution 2016-43 all board and commission members must be registered voters of the City of Moreno Valley.

I authorize the City of Moreno Valley to obtain and review, on a confidential basis, such information regarding me as may be contained in the California State Summary Criminal History and in records of the California Department of Motor Vehicles. Yes  No  (The application shall not be considered if the NO box is checked.)

I hereby agree to attend all board or commission meetings, unless excused, and understand that I may be removed for lack of attendance, pursuant to Municipal Code, Subsection 2.06.010(C) which states, "If a member is absent without advance permission of the board or commission or of the appointing authority, from three consecutive regular meetings or from 25% of the duly scheduled meetings of the board or commission within any fiscal year, the membership shall thereupon become vacant and shall be filled as any other vacancy."

CERTIFICATE OF APPLICANT: I certify that all statements in this application are true and complete to the best of my knowledge. I understand that any false statements of material fact will subject me to disqualification or dismissal if appointed. I release the City of Moreno Valley from any liability for the use of the aforesaid information.

[Redacted Signature]

Signature

2/1/17  
Date

Please Note: Applications will be kept on file for potential future vacancies for one year after the application submittal date. Applications are accepted year-round.



# City of Moreno Valley

## Boards and Commissions

### Membership Application Form

CITY CLERK  
MORENO VALLEY  
RECEIVED

17 FEB -3 PM 2:55

For City Clerk's Use  
Stamp Date and Time Received

Name:

David Lara-Teller

Home Address:

13159 Pocono Ct.

Moreno Valley, CA 92555

How long have you resided in Moreno Valley?

Since 1989



Employer Name:

Elite Carpet

Position:

Address:

24530 Redlands Blvd.

Loma Linda CA 92354

Board or Commission applying for\*: 1<sup>st</sup> Choice

Planning Commission

2<sup>nd</sup> Choice

\*If applying for the Accessibility Appeals Board, please indicate which position you are applying for:

- Physically Challenged Person
- Person Experienced in Construction
- Public Member

\*If applying for the Utilities Commission, please indicate which position you are applying for:

- Public Member
- Customer of Moreno Valley Utility
- Business Customer of Moreno Valley Utility

Why do you wish to serve on this Board and/or Commission?

I have been actively involved in local politics most of my time here in MoreVal. Very supportive of increased business development.

List any education, training, or special skills, you have which may be relevant or of particular benefit to this Board and/or Commission:

45 years of business experience

Explain briefly your understanding of what this Board and/or Commission does, including its powers and limitations.

I know they make recommendations to the City Council.

What do you hope to accomplish by your participation?

Promote responsible business development

List any employment, volunteer work, or membership in a service/community organization that you have served on, or are now a member of. Please provide the name(s) of the agency (ies), contact person, and dates served:

Past President Moreno Valley Toastmasters  
Speaker Against Utility Tax  
Past Grand Knight St. Patrick Knights of Columbus

What other areas of interest do you have in our City government?

Transparency

Would you be available for meetings during the day  or evening?

Attendance of at least one (1) meeting is required prior to the appointment.

Date(s) of the meeting(s) attended: Final Vote on W.L.C.

Pursuant to Resolution 2016-43 all board and commission members must be registered voters of the City of Moreno Valley.

I authorize the City of Moreno Valley to obtain and review, on a confidential basis, such information regarding me as may be contained in the California State Summary Criminal History and in records of the California Department of Motor Vehicles. Yes  No  (The application shall not be considered if the NO box is checked.)

I hereby agree to attend all board or commission meetings, unless excused, and understand that I may be removed for lack of attendance, pursuant to Municipal Code, Subsection 2.06.010(C) which states, "If a member is absent without advance permission of the board or commission or of the appointing authority, from three consecutive regular meetings or from 25% of the duly scheduled meetings of the board or commission within any fiscal year, the membership shall thereupon become vacant and shall be filled as any other vacancy."

CERTIFICATE OF APPLICANT: I certify that all statements in this application are true and complete to the best of my knowledge. I understand that any false statements of material fact will subject me to disqualification or dismissal if appointed. I release the City of Moreno Valley from any liability for the use of the aforesaid information.

[Redacted Signature]

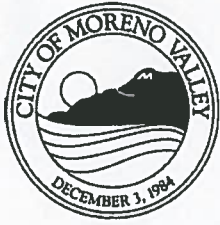
Signature

02/03/17

Date

Please Note: Applications will be kept on file for potential future vacancies for one year after the application submittal date. Applications are accepted year-round.





# City of Moreno Valley

## Boards and Commissions

### Membership Application Form

CITY CLERK  
MORENO VALLEY  
RECEIVED  
17 FEB -3 PM 12: 04

For City Clerk's Use  
Stamp Date and Time Received

Name: Erian Gonzalez  
Home Address: 28834 McAbee Avenue  
Moreno Valley, CA 92555

How long have you resided in Moreno Valley? 7 - years

#### CONFIDENTIAL INFORMATION

Home Phone No.: [REDACTED] Driver's License No.: [REDACTED]  
Work Phone No.: [REDACTED] Cell Phone No.: [REDACTED]  
E-mail Address: [REDACTED]

Employer Name: County of Riverside Position: Senior Development Specialist - Project Manager  
Address: 5555 Arlington Avenue  
Riverside, CA 92504

Board or Commission applying for\*: 1st Choice Permanent - Planning Commissioner  
2nd Choice Alternate Planning Commissioner

\*If applying for the Accessibility Appeals Board, please indicate which position you are applying for:  
 Physically Challenged Person  Person Experienced in Construction  Public Member

\*If applying for the Utilities Commission, please indicate which position you are applying for:  
 Public Member  Customer of Moreno Valley Utility  Business Customer of Moreno Valley Utility

#### Why do you wish to serve on this Board and/or Commission?

I am currently an Alternate Planning Commissioner and the term is set to expire. My next goal is to serve in a permanent capacity. My experience as an Alternate Planning Commissioner has given me an opportunity to decide on projects that impact existing and future residents. A Permanent position will allow me to continue my contribution for a longer term and allow me to listen and care for the needs of the general public, staff, elected officials and development community. I want to continue fulfilling my fiduciary obligation and serve the Moreno Valley community.

#### List any education, training, or special skills, you have which may be relevant or of particular benefit to this Board and/or Commission:

My education, training and skills is not only compatible but beneficial to the Planning Commission. For example, my professional experience at the County of Riverside has provided me the opportunity to understand the role economic development, redevelopment, and affordable housing development plays in local municipalities.  
I am a licensed Real Estate Salesperson and I'm currently finishing my MBA at California Baptist University.

#### Explain briefly your understanding of what this Board and/or Commission does, including its powers and limitations.

The Planning Commission (PC) is appointed by the City Council and serves at the pleasure of the council for reviewing matters related to planning and development.  
First, the PC is the planning and development advisory board to the City Council. Second, the PC assures the general plan is implemented by reviewing development applications. Third, the PC functions as the decision-making body for many development applications and proposals.

#### What do you hope to accomplish by your participation?

First, my hope is that I continue my contribution for the overall betterment of Moreno Valley by assisting in creating diverse employment and development opportunities for our residents.  
Second, I want to assure that the vision of Moreno Valley is one that works to improve the quality of live for all residents of Moreno Valley.  
Finally, promote equality and treat the general public, projects, and perspectives equitably.

List any employment, volunteer work, or membership in a service/community organization that you have served on, or are now a member of. Please provide the name(s) of the agency (ies), contact person, and dates served:

Alternate Planning Commissioner - City of Moreno Valley - Richard Sandzimier, Planning Official - April 28, 2015 - Present

President of the Greater Riverside Hispanic Chamber of Commerce – Dina Esquivel - 2006-2007

What other areas of interest do you have in our City government?

My other areas of interest, aside from my primary interest in the Planning Commission is developing or becoming involved in a committee to establish identifiable neighborhoods within the City of Moreno Valley. I believe neighborhoods establish a sense of place and allow residents to take pride in their immediate surroundings.

In my opinion, establishing and demarcating neighborhoods promotes the uniqueness and distinctiveness offered by Moreno Valley and will foster greater community involvement and participation.

Would you be available for meetings during the day  or evening?

Attendance of at least one (1) meeting is required prior to the appointment.

Date(s) of the meeting(s) attended: (2015) - 6/25, 10/8, 10/22, 12/10 (2016) - 3/24, 5/12, 5/26, 7/28, 8/25, 9/8, 11/10 & 12/15

Pursuant to Resolution 2016-43 all board and commission members must be registered voters of the City of Moreno Valley.

I authorize the City of Moreno Valley to obtain and review, on a confidential basis, such information regarding me as may be contained in the California State Summary Criminal History and in records of the California Department of Motor Vehicles. Yes  No  (The application shall not be considered if the NO box is checked.)

I hereby agree to attend all board or commission meetings, unless excused, and understand that I may be removed for lack of attendance, pursuant to Municipal Code, Subsection 2.06.010(C) which states, "If a member is absent without advance permission of the board or commission or of the appointing authority, from three consecutive regular meetings or from 25% of the duly scheduled meetings of the board or commission within any fiscal year, the membership shall thereupon become vacant and shall be filled as any other vacancy."

CERTIFICATE OF APPLICANT: I certify that all statements in this application are true and complete to the best of my knowledge. I understand that any false statements of material fact will subject me to disqualification or dismissal if appointed. I release the City of Moreno Valley from any liability for the use of the aforesaid information.

[Redacted Signature]

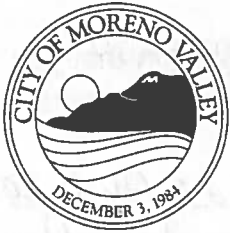
Signature

2-3-17

Date

Please Note: Applications will be kept on file for potential future vacancies for one year after the application submittal date. Applications are accepted year-round.





# City of Moreno Valley

## Boards and Commissions

### Membership Application Form

CITY CLERK  
MORENO VALLEY  
RECEIVED

17 JAN 27 PM 3: 52

For City Clerk's Use  
Stamp Date and Time Received

Name: Glenn Fitzgerald Jacobs

Home Address: 10070 Altavrisa Way

Moreno Valley, CA 92557

How long have you resided in Moreno Valley? 21 plus years

#### CONFIDENTIAL INFORMATION

Home Phone No.: N/A Driver's License No.: [REDACTED]

Work Phone No.: [REDACTED] Cell Phone No.: [REDACTED]

E-mail Address: [REDACTED]

Employer Name: Moreno Valley Unified SD. Position: English Teacher

Address: 25634 Alessandra Blvd

Moreno Valley, CA 92553

Board or Commission applying for\*: 1<sup>st</sup> Choice Planning Commission

2<sup>nd</sup> Choice N/A

\*If applying for the Accessibility Appeals Board, please indicate which position you are applying for:

- Physically Challenged Person
- Person Experienced in Construction
- Public Member

\*If applying for the Utilities Commission, please indicate which position you are applying for:

- Public Member
- Customer of Moreno Valley Utility
- Business Customer of Moreno Valley Utility

Why do you wish to serve on this Board and/or Commission?

I want to know what is going on in the city I work in and live in. I believe it is an important to be involved and let your actions speak louder than words. I want to have input on proposals coming to our city and be part of the process.

List any education, training, or special skills, you have which may be relevant or of particular benefit to this Board and/or Commission:

Speech Communication Degree

Legislative Action Representative

Patience

Explain briefly your understanding of what this Board and/or Commission does, including its powers and limitations.

This commission considers matters pertaining to development and zoning within Moreno Valley. Although this body of governance does have decision-making authority I understand it is limited pursuant to Government Code at the state of CA.

What do you hope to accomplish by your participation?

I hope to become a better informed citizen. I hope to learn a lot about EIR's, process, proposals and decisions. I love the plan and the growth currently, and I want to be part of positive change.

List any employment, volunteer work, or membership in a service/community organization that you have served on, or are now a member of. Please provide the name(s) of the agency(ies), contact person, and dates served:

<u>Teacher/Administrator - '96 - Present</u>	<u>Manager City Co Ed S Athall 2014</u>
<u>MVEA 1996-2002 &amp; 2014 - Present</u>	<u>Coached my children's teams through</u>
<u>Legislative Action Rep AMVMP = 2002-2014</u>	<u>MV various years.</u>
<u>MVEA Director of High School = 2016 - Present</u>	<u>Ran for City Council in 2014.</u>

What other areas of interest do you have in our City government?

I wish to serve my community. I like the pro business approach. I am interested in being part of the team in helping realize the city's vision. I love responsible fiscal spending. I love transparency for all. I ran for City Council in 2014.

Would you be available for meetings during the day  or evening?

Attendance of at least one (1) meeting is required prior to the appointment.

Date(s) of the meeting(s) attended: 1/26/17

Pursuant to Resolution 2016-43 all board and commission members must be registered voters of the City of Moreno Valley.

I authorize the City of Moreno Valley to obtain and review, on a confidential basis, such information regarding me as may be contained in the California State Summary Criminal History and in records of the California Department of Motor Vehicles. Yes  No  (The application shall not be considered if the NO box is checked.)

I hereby agree to attend all board or commission meetings, unless excused, and understand that I may be removed for lack of attendance, pursuant to Municipal Code, Subsection 2.06.010(C) which states, "If a member is absent without advance permission of the board or commission or of the appointing authority, from three consecutive regular meetings or from 25% of the duly scheduled meetings of the board or commission within any fiscal year, the membership shall thereupon become vacant and shall be filled as any other vacancy."

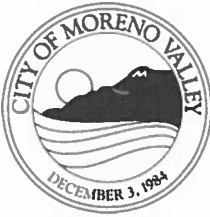
CERTIFICATE OF APPLICANT: I certify that all statements in this application are true and complete to the best of my knowledge. I understand that any false statements of material fact will subject me to disqualification or dismissal if appointed. I release the City of Moreno Valley from any liability for the use of the aforesaid information.

Signature

1/27/17

Date

Please Note: Applications will be kept on file for potential future vacancies for one year after the application submittal date. Applications are accepted year-round.



# City of Moreno Valley

## Boards and Commissions

### Membership Application Form

CITY CLERK  
MORENO VALLEY  
RECEIVED

17 FEB -3 PM 4:07

For City Clerk's Use  
Stamp Date and Time Received

Name: Lori Nickel, RN

Home Address: 24848 Cape Cod St, Moreno Valley 92553  
Currently my home resides in the Third and Fourth District

How long have you resided in Moreno Valley? Easter Weekend (April) 1984

#### CONFIDENTIAL INFORMATION

Home Phone No.: [REDACTED] Driver's License No.: [REDACTED]

Work Phone No.: N/A Cell Phone No.: [REDACTED]

E-mail Address: [REDACTED]

Employer Name: City of Moreno Valley Position: Planning Commissioner, Alternate

Address: Retired; fully licensed to practice Registered Nurse

Board or Commission applying for\*: 1<sup>st</sup> Choice Planning Commission  
 2<sup>nd</sup> Choice Planning Commission, Alternate

\*If applying for the Accessibility Appeals Board, please indicate which position you are applying for:  
 Physically Challenged Person  Person Experienced in Construction  Public Member

\*If applying for the Utilities Commission, please indicate which position you are applying for:  
 Public Member  Customer of Moreno Valley Utility  Business Customer of Moreno Valley Utility

Why do you wish to serve on this Board and/or Commission?

I wish to continue my work on the Commission. The Planning Commission is where I am able to bring all my lifeskills to fruition, everything I've been involved with. I love watching how things grow buildings, infrastructure and the like. I have memories of the humble beginnings of LAX, our freeways except the 5 (I'm not that old), I look at Metrolink with pride and say "I did that, how cool is that?"

List any education, training, or special skills, you have which may be relevant or of particular benefit to this Board and/or Commission:

Licensed RN since 1978 specialty Critical Care Legal Aspects of Healthcare Law, Patient Advocacy Served 13 years RCTC CAC for 13 years, developing Measure A, Metrolink, FASTRAC, Ten year SB 821 grant reviewer. Chaired City's JBTAC developed master bikeway map, and 3 Tour de MoVelleys

Explain briefly your understanding of what this Board and/or Commission does, including its powers and limitations.

Serves as an adjunct to Council performing "grunt work" on General Plan Amendments, resolutions & ordinances for a speedy approval or denial by Council. Projects not requiring a zone change must be given greater scrutiny; the mindset being to limit city's liability for litigation. We are not activists

What do you hope to accomplish by your participation?

Like the Metrolink, I'll be able to point to the new Walmart as well as apartments and housing tracts and say "I did that as a Commissioner for the City of Moreno Valley." People, Pride and Progress and for now let's keep the dreams soaring.



List any employment, volunteer work, or membership in a service/community organization that you have served on, or are now a member of. Please provide the name(s) of the agency (ies), contact person, and dates served:

League of CA Cities' Planning and Community Development Dept Committee monthly conference calls. I participated in the ad hoc review of the 2016 Planning Commissioner Academy as a reference for developing the Academy for 2017. I flew at my own expense for our August meeting. Caitlin Cole is the contact at the League. I'm attending the Academy 03/01-03/03 currently at my expense.

What other areas of interest do you have in our City government?  
I like all areas of City Government, State and Federal.

Planning Commission covers it all.

Would you be available for meetings during the day  or evening?

Attendance of at least one (1) meeting is required prior to the appointment.

Date(s) of the meeting(s) attended: I have perfect attendance and have never left early.

Pursuant to Resolution 2016-43 all board and commission members must be registered voters of the City of Moreno Valley.

I authorize the City of Moreno Valley to obtain and review, on a confidential basis, such information regarding me as may be contained in the California State Summary Criminal History and in records of the California Department of Motor Vehicles. Yes  No  (The application shall not be considered if the NO box is checked.)

I hereby agree to attend all board or commission meetings, unless excused, and understand that I may be removed for lack of attendance, pursuant to Municipal Code, Subsection 2.06.010(C) which states, "If a member is absent without advance permission of the board or commission or of the appointing authority, from three consecutive regular meetings or from 25% of the duly scheduled meetings of the board or commission within any fiscal year, the membership shall thereupon become vacant and shall be filled as any other vacancy."

CERTIFICATE OF APPLICANT: I certify that all statements in this application are true and complete to the best of my knowledge. I understand that any false statements of material fact will subject me to disqualification or dismissal if appointed. I release the City of Moreno Valley from any liability for the use of the aforesaid information.

[Redacted Signature]

Signature

February 3, 2017

Date

Please Note: Applications will be kept on file for potential future vacancies for one year after the application submittal date. Applications are accepted year-round.



# City of Moreno Valley Boards and Commissions

## Membership Application Form

CITY CLERK  
MORENO VALLEY  
RECEIVED

17 FEB -3 PM 3:16

For City Clerk's Use  
Stamp Date and Time Received

Name: Rafael Brugueras

Home Address: 13768 Peyton Dr.

Moreno Valley, CA 92555

How long have you resided in Moreno Valley? 24 yrs.

### CONFIDENTIAL INFORMATION

Home Phone No. [REDACTED] Driver's License No.: [REDACTED]

Work Phone No.: N/A Cell Phone No.: [REDACTED]

E-mail Address [REDACTED]

Employer Name: N/A Position: Retired

Address: \_\_\_\_\_

Board or Commission applying for\*: 1<sup>st</sup> Choice PLANNING Commission

2<sup>nd</sup> Choice \_\_\_\_\_

\*If applying for the Accessibility Appeals Board, please indicate which position you are applying for:

- Physically Challenged Person
- Person Experienced in Construction
- Public Member

\*If applying for the Utilities Commission, please indicate which position you are applying for:

- Public Member
- Customer of Moreno Valley Utility
- Business Customer of Moreno Valley Utility

Why do you wish to serve on this Board and/or Commission?

I believe that I CAN help being development to our City  
Moreno Valley. By understanding what's come in to be development.  
To sort it out between good or bad development.

List any education, training, or special skills, you have which may be relevant or of particular benefit to this Board and/or Commission:

I have skills in Helping homeowners in saving energy.

Explain briefly your understanding of what this Board and/or Commission does, including its powers and limitations.

I believe that a PLANNING Commission duties are to sort  
out what's best for the City of Moreno Valley in all fairness.  
To know when to say yes or no to development.

What do you hope to accomplish by your participation?

HAVING the opportunity to serve my City Moreno Valley.  
To see development stay in Moreno Valley and have the City to  
grow.



List any employment, volunteer work, or membership in a service/community organization that you have served on, or are now a member of. Please provide the name(s) of the agency(ies), contact person, and dates served:

① Volunteer - I'm a city activist for Development and Jobs.  
② Organization - I'm part of The Job Coalition -  
Name - Mr. Robert Harris - phone # 951-259-9465

What other areas of interest do you have in our City government?

I to City Council meeting and I ALSO go PLANNING Commission meeting.

Would you be available for meetings during the day  or evening?

Attendance of at least one (1) meeting is required prior to the appointment.

Date(s) of the meeting(s) attended: JAN. 26, 2017 and MANY more.

Pursuant to Resolution 2016-43 all board and commission members must be registered voters of the City of Moreno Valley.

I authorize the City of Moreno Valley to obtain and review, on a confidential basis, such information regarding me as may be contained in the California State Summary Criminal History and in records of the California Department of Motor Vehicles. Yes  No  (The application shall not be considered if the NO box is checked.)

I hereby agree to attend all board or commission meetings, unless excused, and understand that I may be removed for lack of attendance, pursuant to Municipal Code, Subsection 2.06.010(C) which states, "If a member is absent without advance permission of the board or commission or of the appointing authority, from three consecutive regular meetings or from 25% of the duly scheduled meetings of the board or commission within any fiscal year, the membership shall thereupon become vacant and shall be filled as any other vacancy."

CERTIFICATE OF APPLICANT: I certify that all statements in this application are true and complete to the best of my knowledge. I understand that any false statements of material fact will subject me to disqualification or dismissal if appointed. I release the City of Moreno Valley from any liability for the use of the aforesaid information.

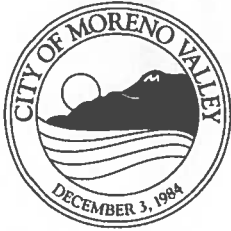
[Redacted Signature]

Signature

Feb 03, 2017

Date

Please Note: Applications will be kept on file for potential future vacancies for one year after the application submittal date. Applications are accepted year-round.



# City of Moreno Valley Boards and Commissions

## Membership Application

MORENO VALLEY  
RECEIVED

17 JAN 24 PM 2: 08

For City Clerk's Use  
Stamp Date and Time Received

Name: RAY L. BAKER

Home Address: 15314 BLACK SHADOW DRIVE  
MORENO VALLEY, CA. 92551

How long have you resided in Moreno Valley? 32 YEARS

### CONFIDENTIAL INFORMATION

Home Phone No.: [REDACTED] Driver's License No.: [REDACTED]  
Work Phone No.: none Cell Phone No.: [REDACTED]  
E-mail Address: [REDACTED]

Employer Name: retired Position: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Board or Commission applying for\*: 1<sup>st</sup> Choice PLANNING COMMISSION  
2<sup>nd</sup> Choice \_\_\_\_\_

\*If applying for the Accessibility Appeals Board, please indicate which position you are applying for:  
 Physically Challenged Person  Person Experienced in Construction  Public Member

\*If applying for the Utilities Commission, please indicate which position you are applying for:  
 Public Member  Customer of Moreno Valley Utility  Business Customer of Moreno Valley Utility

Why do you wish to serve on this Board and/or Commission?  
AS A PLANNING COMMISSIONER FOR EIGHT YEARS, I HAVE HELPED IN  
THE IMPLEMENTATION OF THE COMPREHESIVE CITY PLAN AND TO MAKE  
RECOMMENDATIONS TO THE GOVERNING BODY.

List any education, training, or special skills, you have which may be relevant or of particular benefit to this Board and/or Commission:  
HIGH SCHOOL GRADUATE WITH THREE YEARS OF COLLEGE, FACILITIES ENGINEER WITH  
MULTIPLE TRIPS TO CITY PLANNING AND BUILDING DEPARTMENTS IN NORTHERN AND  
SOUTHERN CALIFORNIA TO GAIN APPROVAL OF PLANS TO UPGRADE RESTAURANTS.

Explain briefly your understanding of what this Board and/or Commission does, including its powers and limitations.  
THE CITY PLANNING COMMISSION SUBMITS RECOMMENDATIONS TO THE  
CITY COUNCIL TO ACT UPON.

What do you hope to accomplish by your participation?  
PROVIDE A VOICE IN PLANNING CITY PROJECTS WITH NO AGENDA IN MIND  
AND NO TIES TO SPECIAL INTEREST GROUPS.

List any employment, volunteer work, or membership in a service/community organization that you have served on, or are now a member of. Please provide the name(s) of the agency (ies), contact person, and dates served:

TRAINING MANAGER FOR A NATIONAL HOTEL CHAIN FOR THREE YEARS, 28 YEARS AS A NATIONAL MAINTENANCE FACILITIES ENGINEER, SUNDAY SCHOOL TEACHER/SUPERINTENDENT. CHAIR OF FINANCE COMMITTEE FOR UNITED METHODIST CHURCH, CITY ADMINISTRATOR FOR HILLSBORO, KANSAS, INSTRUMENTAL IN BUILDING CIVIC CENTER, LIBRARY, FIRE AND POLICE DEPARTMENT. VOLUNTEER AS BOY SCOUT LEADER AND FUND RAISER.

What other areas of interest do you have in our City government?

A RESIDENT OF MORENO VALLEY SINCE 1984. I HAVE A VISION OF MORENO VALLEY BEING AN ALL AMERICAN CITY, THAT PROVIDES A GREAT PLACE TO LIVE AND RAISE A FAMILY. ALSO HELP IN PROVIDING A STATE OF THE ART PUBLIC LIBRARY.

Would you be available for meetings during the day  or evening?

Attendance of at least one (1) meeting is required prior to the appointment.

Date(s) of the meeting(s) attended: ATTENDED ALL PLANNING COMMISSION MEETINGS FOR THE PAST EIGHT YEARS.

Pursuant to Resolution 2016-43 all board and commission members must be registered voters of the City of Moreno Valley.

I authorize the City of Moreno Valley to obtain and review, on a confidential basis, such information regarding me as may be contained in the California State Summary Criminal History and in records of the California Department of Motor Vehicles. Yes  No  (The application shall not be considered if the NO box is checked.)

I hereby agree to attend all board or commission meetings, unless excused, and understand that I may be removed for lack of attendance, pursuant to Municipal Code, Subsection 2.06.010(C) which states, "If a member is absent without advance permission of the board or commission or of the appointing authority, from three consecutive regular meetings or from 25% of the duly scheduled meetings of the board or commission within any fiscal year, the membership shall thereupon become vacant and shall be filled as any other vacancy."

CERTIFICATE OF APPLICANT: I certify that all statements in this application are true and complete to the best of my knowledge. I understand that any false statements of material fact will subject me to disqualification or dismissal if appointed. I release the City of Moreno Valley from any liability for the use of the aforesaid information

[Redacted Signature]

Signature

JANUARY 24, 2017

Date

Please Note: Applications will be kept on file for potential future vacancies for one year after the application submittal date. Applications are accepted year-round.



# City of Moreno Valley Boards and Commissions Membership Application Form

CITY CLERK  
MORENO VALLEY  
RECEIVED  
17 FEB -2 PM 12: 58

For City Clerk's Use  
Stamp Date and Time Received

Name: Rebekah Vereen  
Home Address: 12020 Diego Ct Moreno Valley CA 92557

How long have you resided in Moreno Valley? 2 years

### CONFIDENTIAL INFORMATION

Home Phone No.: \_\_\_\_\_ Driver's License No.: \_\_\_\_\_  
Work Phone No.: \_\_\_\_\_ Cell Phone No.: \_\_\_\_\_  
E-mail Address: \_\_\_\_\_

Employer Name: Wells Fargo Position: Business Development Representative  
Address: 520 Technology Dr Riverside CA 92507

Board or Commission applying for\*: 1<sup>st</sup> Choice Planning Commission  
2<sup>nd</sup> Choice Utilities Commission

\*If applying for the Accessibility Appeals Board, please indicate which position you are applying for:

- Physically Challenged Person  Person Experienced in Construction  Public Member

\*If applying for the Utilities Commission, please indicate which position you are applying for:

- Public Member  Customer of Moreno Valley Utility  Business Customer of Moreno Valley Utility

Why do you wish to serve on this Board and/or Commission?

I am looking to become more involved within the community of Moreno Valley.  
I have great ideas and would like to activate them within the community.

List any education, training, or special skills, you have which may be relevant or of particular benefit to this Board and/or Commission:

Master of Public Administration from California Baptist University. Leadership and Team training within the private sector.

Explain briefly your understanding of what this Board and/or Commission does, including its powers and limitations.

The Planning Commission assist with the planning and the development of the city. Government codes for the state of California are the limitations

What do you hope to accomplish by your participation?

I hope is to become an active voice on behalf of the citizens and help to make Moreno Valley a positive community.



List any employment, volunteer work, or membership in a service/community organization that you have served on, or are now a member of. Please provide the name(s) of the agency (ies), contact person, and dates served:

Youth Development Program

Maleek Howard 951 229 8251

August 2015 to Present

What other areas of interest do you have in our City government?

Youth, Parks and Recreations, Community Events

Would you be available for meetings during the day  or evening?

Attendance of at least one (1) meeting is required prior to the appointment.

Date(s) of the meeting(s) attended: February 9th 2017 7pm

Pursuant to Resolution 2016-43 all board and commission members must be registered voters of the City of Moreno Valley.

I authorize the City of Moreno Valley to obtain and review, on a confidential basis, such information regarding me as may be contained in the California State Summary Criminal History and in records of the California Department of Motor Vehicles. Yes  No  (The application shall not be considered if the NO box is checked.)

I hereby agree to attend all board or commission meetings, unless excused, and understand that I may be removed for lack of attendance, pursuant to Municipal Code, Subsection 2.06.010(C) which states, "If a member is absent without advance permission of the board or commission or of the appointing authority, from three consecutive regular meetings or from 25% of the duly scheduled meetings of the board or commission within any fiscal year, the membership shall thereupon become vacant and shall be filled as any other vacancy."

CERTIFICATE OF APPLICANT: I certify that all statements in this application are true and complete to the best of my knowledge. I understand that any false statements of material fact will subject me to disqualification or dismissal if appointed. I release the City of Moreno Valley from any liability for the use of the foregoing information.

[Redacted Signature]

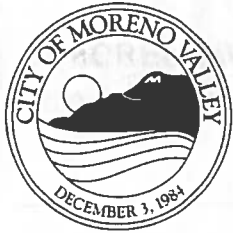
Signature

Feb 2 2017

Date

Please Note: Applications will be kept on file for potential future vacancies for one year after the application submittal date. Applications are accepted year-round.





# City of Moreno Valley

## Boards and Commissions

CITY CLERK  
MORENO VALLEY  
RECEIVED

17 FEB -3 PM 4: 10

For City Clerk's Use  
Stamp Date and Time Received

### Membership Application Form

Name: Robert Harris  
Home Address: 10440 Canyon Vista Rd  
Moreno Valley, Ca 92557  
How long have you resided in Moreno Valley? 34 years

### CONFIDENTIAL INFORMATION

Home Phone No.: [REDACTED] Driver's License No.: [REDACTED]  
Work Phone No.: [REDACTED] Cell Phone No.: [REDACTED]  
E-mail Address: [REDACTED]

Employer Name: Retired Position: RN  
Address: \_\_\_\_\_

Board or Commission applying for\*: 1<sup>st</sup> Choice Planning Commission  
2<sup>nd</sup> Choice \_\_\_\_\_

\*If applying for the Accessibility Appeals Board, please indicate which position you are applying for:  
 Physically Challenged Person  Person Experienced in Construction  Public Member

\*If applying for the Utilities Commission, please indicate which position you are applying for:  
 Public Member  Customer of Moreno Valley Utility  Business Customer of Moreno Valley Utility

Why do you wish to serve on this Board and/or Commission?  
I am a progressive activist. I would like to bring balance to our City: Homes, Jobs, Recreation and Medical facilities to serve all of our Community including our aging population.

List any education, training, or special skills, you have which may be relevant or of particular benefit to this Board and/or Commission:  
Residential Real Estate, Emergency RN, flight Nurse, General aviation Pilot, Director of Hospital Paramedic Program

Explain briefly your understanding of what this Board and/or Commission does, including its powers and limitations.  
Planning related to the balanced and growing needs of the City.

What do you hope to accomplish by your participation?  
Help make Moreno Valley a City that the residence can be proud of. This can be accomplished by listening to the residents Developers and Staff recommendations.

List any employment, volunteer work, or membership in a service/community organization that you have served on, or are now a member of. Please provide the name(s) of the agency(ies), contact person, and dates served:

Member of Moreno Valley Jobs Coalition  
Leo Gonzales 951-833-3447  
Elected Member Riverside County Democratic Central Committee

What other areas of interest do you have in our City government?

City activist  
only interested in planning Commission at this time

Would you be available for meetings during the day  or evening?

Attendance of at least one (1) meeting is required prior to the appointment.

Date(s) of the meeting(s) attended: all WJC planning Commission hearings

Pursuant to Resolution 2016-43 all board and commission members must be registered voters of the City of Moreno Valley.

I authorize the City of Moreno Valley to obtain and review, on a confidential basis, such information regarding me as may be contained in the California State Summary Criminal History and in records of the California Department of Motor Vehicles. Yes  No  (The application shall not be considered if the NO box is checked.)

I hereby agree to attend all board or commission meetings, unless excused, and understand that I may be removed for lack of attendance, pursuant to Municipal Code, Subsection 2.06.010(C) which states, "If a member is absent without advance permission of the board or commission or of the appointing authority, from three consecutive regular meetings or from 25% of the duly scheduled meetings of the board or commission within any fiscal year, the membership shall thereupon become vacant and shall be filled as any other vacancy."

CERTIFICATE OF APPLICANT: I certify that all statements in this application are true and complete to the best of my knowledge. I understand that any false statements of material fact will subject me to disqualification or dismissal if appointed. I release the City of Moreno Valley from any liability for the use of the aforesaid information.

[Redacted Signature]

Signature

02/03/2017  
Date

Please Note: Applications will be kept on file for potential future vacancies for one year after the application submittal date. Applications are accepted year-round.



# City of Moreno Valley

## Boards and Commissions

### Membership Application Form

CITY CLERK  
MORENO VALLEY  
RECEIVED

17 FEB 21 PM 4:58

For City Clerk's Use  
Stamp Date and Time Received

Name: Claudia P. Diaz Carrasco

Home Address: 13190 Day St. #305 Moreno Valley, CA

How long have you resided in Moreno Valley? 6 months

#### CONFIDENTIAL INFORMATION

Home Phone No.: N/A Driver's License No.: \_\_\_\_\_

Work Phone No.: \_\_\_\_\_ Cell Phone No.: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Employer Name: UC Cooperative Extension Position: 4-H Youth Development Advisor

Address: 21150 Box Springs Rd. Suite 202 Moreno Valley, CA

Board or Commission applying for\*: 1<sup>st</sup> Choice Library Commission

2<sup>nd</sup> Choice Recreational Trails Board

\*If applying for the Accessibility Appeals Board, please indicate which position you are applying for:

- Physically Challenged Person  Person Experienced in Construction  Public Member

\*If applying for the Utilities Commission, please indicate which position you are applying for:

- Public Member  Customer of Moreno Valley Utility  Business Customer of Moreno Valley Utility

Why do you wish to serve on this Board and/or Commission?

Through my contact with the ELC members I have increase my knowledge of the services that the City offer and also I have increase my awareness of how to become a more engage citizen. I believe my youth development training will be valuable to the Library Commission as I know they offer teen and family programs. I also have a M.S. on Management and Marketing and I belive I might be able to provide some recommendations on how to promote the Library services.

List any education, training, or special skills, you have which may be relevant or of particular benefit to this Board and/or Commission:

As a 4-H Youth Development Advisor I continously receive training on the latest youth development theory. I also have expertise in designing, implementing and evaluating youth programs. I have received also extensive cultural competence training and I have excellent written and oral communication skills in English and Spanish. I am also a very creative woman.

Explain briefly your understanding of what this Board and/or Commission does, including its powers and limitations.

I have read the description of the information sheet, however I am unaware of the powers and limitations. If selected I will dedicate time to learn as soon as possible my role so I can make positive contributions to the board.

What do you hope to accomplish by your participation?

I would like to see more people attending Library program or at least aware that they exist and can benefit from them.



List any employment, volunteer work, or membership in a service/community organization that you have served on, or are now a member of. Please provide the name(s) of the agency (ies), contact person, and dates served:

Volunteer - Sacred Heart Family Camp - Summer 2015 and 2016 - Sister Rose - (909) 866 5696

Member/Participant - Come Alive Ministry- St. Andrews Newman Center- January 2016- diana@purposeteam.org

What other areas of interest do you have in our City government?

Emerging Leaders Council

Would you be available for meetings during the day  or evening?

Attendance of at least one (1) meeting is required prior to the appointment.

Date(s) of the meeting(s) attended: 02/16/2017

Pursuant to Resolution 2016-43 all board and commission members must be registered voters of the City of Moreno Valley.

I authorize the City of Moreno Valley to obtain and review, on a confidential basis, such information regarding me as may be contained in the California State Summary Criminal History and in records of the California Department of Motor Vehicles. Yes  No  (The application shall not be considered if the NO box is checked.)

I hereby agree to attend all board or commission meetings, unless excused, and understand that I may be removed for lack of attendance, pursuant to Municipal Code, Subsection 2.06.010(C) which states, "If a member is absent without advance permission of the board or commission or of the appointing authority, from three consecutive regular meetings or from 25% of the duly scheduled meetings of the board or commission within any fiscal year, the membership shall thereupon become vacant and shall be filled as any other vacancy."

CERTIFICATE OF APPLICANT: I certify that all statements in this application are true and complete to the best of my knowledge. I understand that any false statements of material fact will subject me to disqualification or dismissal if appointed. I release the City of Moreno Valley from any liability for the use of the aforesaid information.

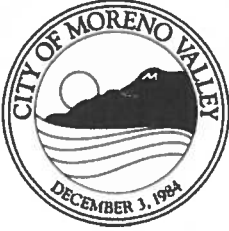
[Redacted Signature]

Signature

02/16/2017

Date

Please Note: Applications will be kept on file for potential future vacancies for one year after the application submittal date. Applications are accepted year-round.



# City of Moreno Valley Boards and Commissions Membership Application Form

CITY CLERK  
MORENO VALLEY  
RECEIVED  
17 FEB 17 PM 4: 12

For City Clerk's Use  
Stamp Date and Time Received

Name: Tamala Sha Jones

Home Address: 26650 Calle Linda  
Moreno Valley, CA 92555

How long have you resided in Moreno Valley? 1993-2010 and 2014-present, collectively (19 Years)

### CONFIDENTIAL INFORMATION

Home Phone No.: [REDACTED] Driver's License No.: [REDACTED]  
Work Phone No.: [REDACTED] Cell Phone No.: [REDACTED]  
E-mail Address: [REDACTED]

Employer Name: Department of Veterans Affairs Position: Management Analyst - Project Manager

Address: Virtual employee - 1717 H. Street, NW  
Washington, DC

Board or Commission applying for\*: 1<sup>st</sup> Choice Library Commission  
2<sup>nd</sup> Choice Environmental and Historical Preservation Board

\*If applying for the Accessibility Appeals Board, please indicate which position you are applying for:

- Physically Challenged Person  Person Experienced in Construction  Public Member

\*If applying for the Utilities Commission, please indicate which position you are applying for:

- Public Member  Customer of Moreno Valley Utility  Business Customer of Moreno Valley Utility

Why do you wish to serve on this Board and/or Commission?

First and foremost, I am interested in serving on the Library Commission because I care about my community. I would like to play an active role in my community and have a voice in decision making. Given my 16 years experience in Public Administration and as a civil servant I will bring my Analyst/Management expertise to the Commission. It is my goal to provide a progressive environmentally concerned perspective, and promote diversity. Lastly, I want to keep abreast of what is going on in my community.

List any education, training, or special skills, you have which may be relevant or of particular benefit to this Board and/or Commission:

16 years experience in government with emphasis in Project Management and as an Analyst.  
Bachelor's degree in Sociology with emphasis in Social Work and Masters degree in Public Administration.  
8 years experience facilitating college courses - My understanding of the varying degrees of diversity and the importance of understanding diversity.

Explain briefly your understanding of what this Board and/or Commission does, including its powers and limitations.

My understanding of the Library Commission's purpose is to ensure the City's library has the resources needed for its programs. The Commission provides input and recommendations to the city council on maintenance and operation of the city's library through advocacy and leadership.

What do you hope to accomplish by your participation?

I hope to provide my expertise in collaboration with other Commission members to uphold the duties of the Commission and ensure Moreno Valley residents have access to modern library technologies. and programs.



List any employment, volunteer work, or membership in a service/community organization that you have served on, or are now a member of. Please provide the name(s) of the agency (ies), contact person, and dates served:

American Legion Post 14, Charlotte Baber, 909-835-0069

What other areas of interest do you have in our City government?

I have interest in the Environmental and Historical Preservation Board, and Senior Citizen's Board

Would you be available for meetings during the day  or evening?

Attendance of at least one (1) meeting is required prior to the appointment.

Date(s) of the meeting(s) attended: February 16, 2017

Pursuant to Resolution 2016-43 all board and commission members must be registered voters of the City of Moreno Valley.

I authorize the City of Moreno Valley to obtain and review, on a confidential basis, such information regarding me as may be contained in the California State Summary Criminal History and in records of the California Department of Motor Vehicles. Yes  No  (The application shall not be considered if the NO box is checked.)

I hereby agree to attend all board or commission meetings, unless excused, and understand that I may be removed for lack of attendance, pursuant to Municipal Code, Subsection 2.06.010(C) which states, "If a member is absent without advance permission of the board or commission or of the appointing authority, from three consecutive regular meetings or from 25% of the duly scheduled meetings of the board or commission within any fiscal year, the membership shall thereupon become vacant and shall be filled as any other vacancy."

CERTIFICATE OF APPLICANT: I certify that all statements in this application are true and complete to the best of my knowledge. I understand that any false statements of material fact will subject me to disqualification or dismissal if appointed. I release the City of Moreno Valley from any liability for the use of the aforesaid information.

[Redacted Signature]

Signature

2/18/2017

Date

Please Note: Applications will be kept on file for potential future vacancies for one year after the application submittal date. Applications are accepted year-round.



## Report to City Council

---

**TO:** Mayor and City Council

**FROM:** Terrie Stevens, Administrative Services Director

**AGENDA DATE:** March 21, 2017

**TITLE:** LIST OF PERSONNEL CHANGES

---

### **RECOMMENDED ACTION**

#### **Recommendation:**

1. Ratify the list of personnel changes as described.

### **DISCUSSION**

The attached list of personnel changes scheduled since the last City Council meeting are presented for City Council ratification.

Staffing of City positions ensures assignment of highly qualified and trained personnel to achieve Momentum MoVal priorities, objectives and initiatives.

### **FISCAL IMPACT**

All position changes are consistent with appropriations previously approved by the City Council.

### **PREPARATION OF STAFF REPORT**

Prepared By:  
Terrie Stevens  
Administrative Services Director

Department Head Approval:  
Terrie Stevens  
Administrative Services Director

### **CITY COUNCIL GOALS**

None

### **CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

**ATTACHMENTS**

- 1. Personnel Changes 3 21 17

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	2/28/17 12:32 PM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 9:40 AM
City Manager Approval	<u>✓ Approved</u>	3/08/17 3:36 PM

**City of Moreno Valley  
Personnel Changes  
March 21, 2017**

**New Hires**

Devin Perdomo  
Animal Control Officer, Administrative Services/Animal Services Division

**Promotions**

Henry Ngo  
From: Sr. Engineer, P.E., PW/Capital Projects Division  
To: Capital Projects Division Manager, PW/Capital Projects Division

**Transfers**

None

**Separations**

Gabriel Garcia  
Parks & Community Services Director



## Report to City Council

---

**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** March 21, 2017

**TITLE:** TRACT 22180-2 – APPROVE COOPERATIVE AGREEMENT AMONG THE RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT, CITY OF MORENO VALLEY, AND RSI COMMUNITIES LLC FOR THE SUNNYMEAD -BLACK SHADOW DRIVE STORM DRAIN, STAGE 1, LOCATED AT THE NORTHWEST CORNER OF GENTIAN AVENUE AND PERRIS BOULEVARD. DEVELOPER: RSI COMMUNITIES LLC

---

### **RECOMMENDED ACTION**

#### **Recommendations:**

1. Approve the Cooperative Agreement with the Riverside County Flood Control and Water Conservation District (the District), the City of Moreno Valley, and RSI Communities LLC for the Sunnymead – Black Shadow Drive Storm Drain, Stage 1.
2. Authorize the City Manager to execute the Cooperative Agreement.
3. Direct the City Clerk to forward the signed Cooperative Agreement to the District.

### **SUMMARY**

This report recommends approval of the Cooperative Agreement among the District, the City, and RSI Communities LLC to allow for the construction of storm drain facilities. As a condition of approval of project Tentative Tract Map (TTM) 22180-2, the City requires the developer, RSI Communities LLC, to construct certain public improvements in order to provide flood protection and drainage as a result of the developer's planned development. The Cooperative Agreement is the District's mechanism by which the District, the City, and the developer coordinate the construction and maintenance of the District's master storm drain and City storm drain facilities. The required facilities for



this project include the construction of an underground storm drain system within the proposed project site and connecting to an existing storm drain facility within Perris Boulevard. The construction will consist of approximately 2,300 lineal feet of a new underground storm drain system that includes catch basins, laterals, junction structures and drainage appurtenances.

## **DISCUSSION**

On September 12, 1989, the City Council of the City of Moreno Valley approved Tentative Tract 22180-2 and on September 29, 1989, the final map was recorded. The project consists of developing approximately 26 acres into 87 single-family residential lots. The developer proposes to construct the District's Sunnymead-Black Shadow Drive Storm Drain, Stage 1 facility and City drainage facility. This will require the construction of the storm drain facility within their project site and within Perris Boulevard. The project site is located at the northwest corner of Gentian Avenue and Perris Boulevard.

The Developer will be responsible for the design and construction of the project improvements. The Developer will prepare plans and specifications in accordance with the District's and the City's standards and submit improvement plans to the District and the City for review and approval. The City will review the plans and specifications, provide inspection for the construction, and accept responsibility for the operation and maintenance of the City's drainage facilities, if the developer meets all requirements of the agreement. The District will review the plans and specifications, provide inspection for the construction, and accept ownership and responsibility for the maintenance of the District's drainage facilities, if the developer meets all requirements of the Agreement.

As a requirement of the Agreement, the developer is required to post surety for the District and City drainage facilities. The Agreement for Public Improvements (PIA) for this project includes the surety and will be recommended for approval to the City Council on March 21, 2017. The PIA includes a Faithful Performance bond and Material and Labor bond for both the District's and City drainage facilities. The storm drain portion of the bonds will be held by the City until completion and acceptance of the storm drain improvements by the District and the City.

## **ALTERNATIVES**

1. Approve and authorize the recommended actions as presented in this staff report. *Staff recommends this alternative as it will allow the project to construct the master drainage plan storm drain facility.*
2. Do not approve and authorize the recommended actions as presented in this staff report. *Staff does not recommend this alternative as it will not allow the project to construct the master drainage plan storm drain facility.*

**FISCAL IMPACT**

No fiscal impact.

**NOTIFICATION**

Publication of agenda.

**PREPARATION OF STAFF REPORT**

Prepared By:  
Vince Girón  
Associate Engineer

Department Head Approval:  
Ahmad R. Ansari, P.E.  
Public Works Director/City Engineer

Concurred By:  
Michael Lloyd, P.E.  
Engineering Division Manager

**CITY COUNCIL GOALS**

**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

**CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

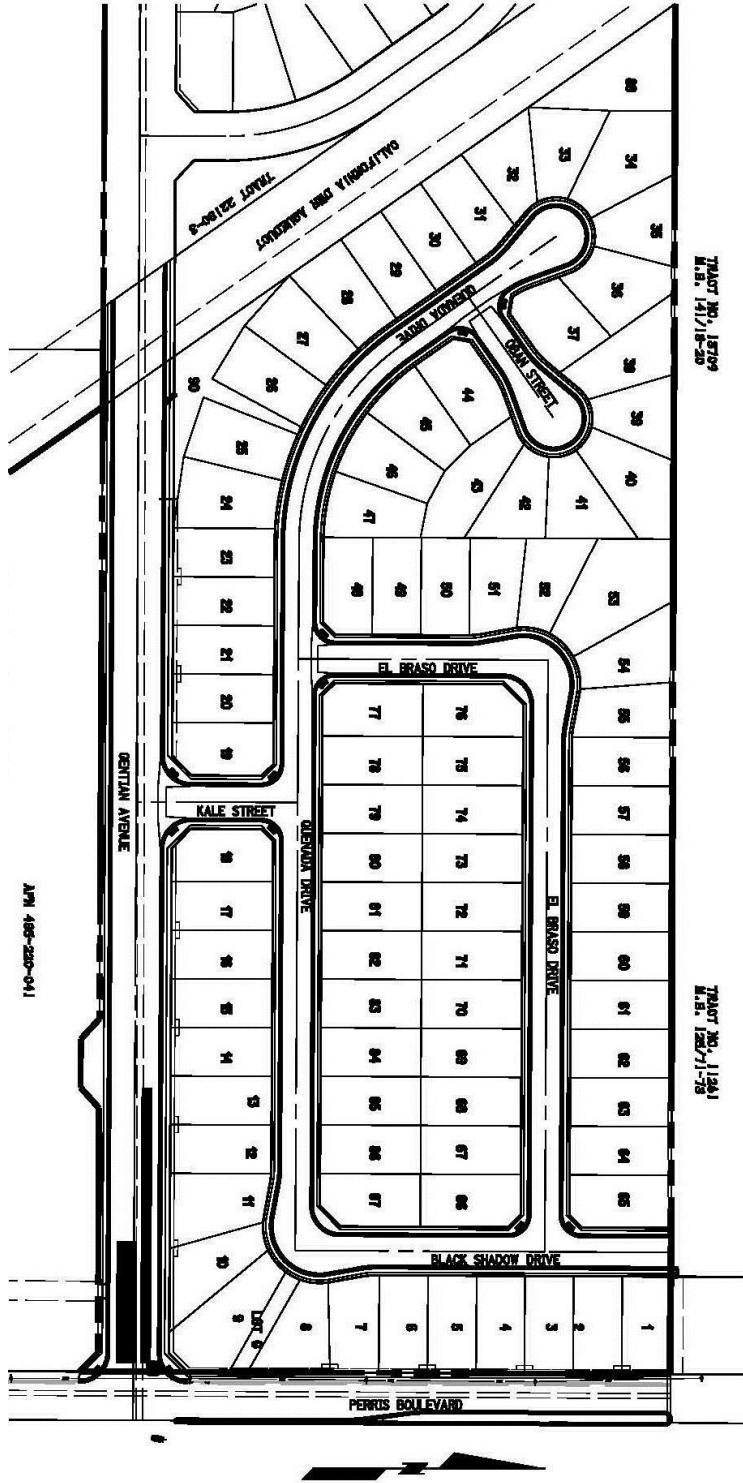
Objective 4.2: Develop and maintain a comprehensive Infrastructure Plan to invest in and deliver City infrastructure.

**ATTACHMENTS**

- 1. Vicinity Map TR 22180-2
- 2. Cooperative Agreement - TR 22180-2

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	2/28/17 12:32 PM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 4:22 PM
City Manager Approval	<u>✓ Approved</u>	3/08/17 4:32 PM



CITY OF MORENO VALLEY  
 PUBLIC WORKS DEPARTMENT - LAND DEVELOPMENT

TR 22180-2

Attachment: Vicinity Map TR 22180-2 (2506 : TRACT 22180-2 ? APPROVE COOPERATIVE AGREEMENT BETWEEN)

1 COOPERATIVE AGREEMENT  
2 Sunnymead – Black Shadow Drive Storm Drain, Stage 1  
3 Project No. 4-0-00363  
4 Tract No. 22180-2

5 The Riverside County Flood Control and Water Conservation District  
6 ("DISTRICT"), the City of Moreno Valley ("CITY"), and RSI Communities LLC, a Delaware  
7 limited liability company ("DEVELOPER"), hereby agree as follows:

8 RECITALS

9 A. DEVELOPER is the legal owner of record of certain real property, including  
10 Tract No. 22180-2, located within the County of Riverside. DEVELOPER has submitted for  
11 approval of Tract No. 22180-2 located in the city of Moreno Valley. As a condition of approval  
12 for Tract No. 22180-2, DEVELOPER must construct certain stormwater management facilities  
13 in order to provide flood protection and drainage for DEVELOPER'S planned development; and

14 B. The legal description of Tract No. 22180-2 is provided in Exhibit "A"  
15 attached hereto and made a part hereof; and

16 C. The required flood control facilities and drainage improvements, as shown  
17 on District Drawing No. 4-1106, include construction of approximately 645 lineal feet of  
18 underground storm drain system and junction structure ("DISTRICT FACILITIES"), as shown in  
19 concept in blue on Exhibit "B", attached hereto and made a part hereof. At its downstream  
20 terminus, DISTRICT FACILITIES will connect to DISTRICT'S existing facility. At its upstream  
21 terminus, DISTRICT FACILITIES terminate with a concrete bulkhead for future extension; and

22 D. Associated with the construction of DISTRICT FACILITIES is the  
23 construction of certain catch basins, inlets, connector pipes, and lateral storm drains that are thirty-  
24 six inches (36") or less in diameter that are located within CITY held easements or rights of way  
25 ("APPURTENANCES"); and

26 E. Together, DISTRICT FACILITIES and APPURTENANCES are hereinafter  
27 called "PROJECT"; and

28 F. DEVELOPER and CITY desire DISTRICT to accept ownership and  
responsibility for the operation and maintenance of DISTRICT FACILITIES. Therefore,

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1 DISTRICT must review and approve DEVELOPER'S plans and specifications for PROJECT and  
2 subsequently inspect the construction of DISTRICT FACILITIES; and

3 G. DEVELOPER and DISTRICT desire CITY to accept ownership and  
4 responsibility for the operation and maintenance of APPURTENANCES. Therefore, CITY must  
5 review and approve DEVELOPER'S plans and specifications for PROJECT and subsequently  
6 inspect the construction of APPURTENANCES; and

7 H. DISTRICT is willing to (i) review and approve DEVELOPER'S plans and  
8 specifications for PROJECT, (ii) inspect the construction of DISTRICT FACILITIES, and (iii)  
9 accept ownership and responsibility for the operation and maintenance of DISTRICT  
10 FACILITIES, provided DEVELOPER (a) complies with this Agreement, (b) constructs  
11 PROJECT in accordance with DISTRICT and CITY approved plans and specifications, and (c)  
12 accepts ownership and responsibility for the operation and maintenance of PROJECT following  
13 completion of PROJECT construction until such time as DISTRICT accepts ownership and  
14 responsibility for the operation and maintenance of DISTRICT FACILITIES; and

15 I. CITY is willing to (i) review and approve DEVELOPER'S plans and  
16 specifications for PROJECT, (ii) inspect the construction of PROJECT, (iii) accept and hold  
17 faithful performance and payment bonds submitted by DEVELOPER for DISTRICT  
18 FACILITIES, (iv) grant DISTRICT the right to inspect, operate and maintain DISTRICT  
19 FACILITIES within CITY rights of way, (v) conveys to DISTRICT all rights of way necessary  
20 for the inspection, operation and maintenance of DISTRICT FACILITIES as set forth herein, and  
21 (vi) accept ownership and responsibility for the operation and maintenance of  
22 APPURTENANCES, provided PROJECT is constructed in accordance with plans and  
23 specifications approved by DISTRICT and CITY.

24 NOW, THEREFORE, the parties hereto mutually agree as follows:  
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SECTION I

DEVELOPER shall:

1. Prepare PROJECT plans and specifications, hereinafter called "IMPROVEMENT PLANS", in accordance with applicable DISTRICT and CITY standards, and submit to DISTRICT and CITY for their respective review and approval.

2. Continue to pay DISTRICT, within thirty (30) days after receipt of periodic billings from DISTRICT, any and all such amounts as are deemed reasonably necessary by DISTRICT to cover DISTRICT'S costs associated with the review of IMPROVEMENT PLANS, review and approval of rights of way and conveyance documents, and with the processing and administration of this Cooperative Agreement. Additionally, DEVELOPER shall deposit with CITY, any and all such amounts as are deemed reasonably necessary by CITY to cover CITY'S costs associated with the review of IMPROVEMENT PLANS, the review and approval of all right of way and conveyance documents, and with the processing and administration of this Agreement.

3. Deposit with DISTRICT (Attention: Business Office - Accounts Receivable), at the time of providing written notice to DISTRICT of the start of PROJECT construction as set forth in Section I.8. herein, the estimated cost of providing construction inspection for DISTRICT FACILITIES, in an amount as determined and approved by DISTRICT in accordance with Ordinance Nos. 671 and 749 of the County of Riverside, including any amendments thereto, based upon the bonded value of DISTRICT FACILITIES. If at any time the costs exceed the deposit or are anticipated by DISTRICT to exceed the deposit with DISTRICT, DEVELOPER shall pay such additional amount(s), as deemed reasonably necessary by DISTRICT to complete inspection of DISTRICT FACILITIES, within thirty (30) days after receipt of billing from DISTRICT. Additionally, deposit with CITY (Attention: Public Works/Land Development), at the time of providing written notice to DISTRICT of the start of PROJECT construction as set forth in Section I.8., the estimated cost of providing construction inspection in an amount as determined and approved by CITY in accordance with the most recent City Code and Fee Resolution of CITY, including any amendments thereto.

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4. Grant DISTRICT and CITY, by execution of this Cooperative Agreement, the right to enter upon DEVELOPER'S property where necessary and convenient for the purpose of gaining access to, and performing inspection service for, the construction of PROJECT as set forth herein.

5. Secure, at its sole cost and expense, all necessary licenses, agreements, permits and rights of entry as may be needed for the construction, inspection, operation and maintenance of DISTRICT FACILITIES. DEVELOPER shall furnish DISTRICT, at the time of providing written notice to DISTRICT of the start of construction as set forth in Section I.8., with sufficient evidence of DEVELOPER having secured such necessary licenses, agreements, permits and rights of entry, as determined and approved by DISTRICT.

6. Prior to commencing construction, furnish DISTRICT and CITY with copies of all permits, approvals or agreements required by any federal, state or local resource and/or regulatory agency for the construction, operation and maintenance of PROJECT. Such documents include but are not limited to those issued by the U.S. Army Corps of Engineers, California Regional Water Quality Control Board, California State Department of Fish and Game, State Water Resources Control Board, and Western Riverside County Regional Conservation Authority.

7. Provide CITY, at the time of providing written notice to DISTRICT of the start of construction as set forth in Section I.8., with faithful performance and payment bonds, each in the amount of one hundred percent (100%) of the estimated cost for construction of DISTRICT FACILITIES as determined by DISTRICT. The surety, amount and form of the bonds, shall be subject to approval of DISTRICT and CITY. The bonds shall remain in full force and effect until DISTRICT FACILITIES are accepted by DISTRICT as complete; at which time the bond amount may be reduced to five percent (5%) for a period of one (1) year to guarantee against any defective work, labor or materials.

8. Notify DISTRICT in writing (Attention: Administrative Services Section) and CITY, at least twenty (20) days prior to the start of construction of PROJECT. Construction shall not begin on any element of PROJECT, for any reason whatsoever, until DISTRICT has

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1 issued to DEVELOPER a written Notice to Proceed authorizing DEVELOPER to commence  
2 construction of PROJECT.

3 9. [INTENTIONALLY DELETED]

4 10. [INTENTIONALLY DELETED]

5 11. Furnish DISTRICT, at the time of providing written notice to DISTRICT of  
6 the start of construction as set forth in Section I.8., with a complete list of all contractors and  
7 subcontractors to be performing work on DISTRICT FACILITIES, including the corresponding  
8 license number and license classification of each. At such time, DEVELOPER shall further  
9 identify in writing its designated superintendent for PROJECT construction.

10 12. Furnish DISTRICT, at the time of providing written notice to DISTRICT of  
11 the start of construction as set forth in Section I.8., a construction schedule which shall show the  
12 order and dates in which DEVELOPER or DEVELOPER'S contractor proposes to carry out the  
13 various parts of work, including estimated start and completion dates. As construction of  
14 DISTRICT FACILITIES progresses, DEVELOPER shall update said construction schedule as  
15 requested by DISTRICT.

16 13. Furnish DISTRICT and CITY with final mylar PROJECT plans and assign  
17 their ownership to DISTRICT and CITY prior to the start on any portion of PROJECT  
18 construction.

19 14. Not permit any change to or modification of DISTRICT and CITY approved  
20 IMPROVEMENT PLANS without the prior written permission and consent of DISTRICT and  
21 CITY.

22 15. Comply with all Cal/OSHA safety regulations including regulations  
23 concerning confined space and maintain a safe working environment for DEVELOPER, CITY  
24 and DISTRICT employees on the site.

25 16. Furnish DISTRICT, at the time of providing written notice to DISTRICT of  
26 the start of construction as set forth in Section I.8., a confined space entry procedure specific to  
27 PROJECT. The procedure shall comply with requirements contained in California Code of  
28 Regulations, Title 8, Section 5158, Other Confined Space Operations, Section 5157, Permit



1 Required Confined Space and District Confined Space Procedures, SOM-18. The procedure shall  
2 be reviewed and approved by DISTRICT prior to the issuance of a Notice to Proceed.

3 17. DEVELOPER shall not commence operations until DISTRICT and CITY  
4 have been furnished with original certificate(s) of insurance and original certified copies of  
5 endorsements and if requested, certified original policies of insurance including all endorsements  
6 and any and all other attachments as required in this Section.

7 Without limiting or diminishing DEVELOPER'S obligation to indemnify or  
8 hold DISTRICT or CITY harmless, DEVELOPER shall procure and maintain or cause to be  
9 maintained, at its sole cost and expense, the following insurance coverage's during the term of  
10 this Agreement:

11 A. Workers' Compensation:

12 If DEVELOPER has employees as defined by the State of California,  
13 DEVELOPER shall maintain statutory Workers' Compensation  
14 Insurance (Coverage A) as prescribed by the laws of the State of  
15 California. Policy shall include Employers' Liability (Coverage B)  
16 including Occupational Disease with limits not less than \$1,000,000  
17 per person per accident. Policy shall be endorsed to waive subrogation  
18 in favor of DISTRICT, the County of Riverside and CITY.

19 B. Commercial General Liability:

20 Commercial General Liability insurance coverage, including but not  
21 limited to, premises liability, unmodified contractual liability, products  
22 and completed operations liability, personal and advertising injury, and  
23 cross liability coverage, covering claims which may arise from or out  
24 of DEVELOPER'S performance of its obligations hereunder. Policy  
25 shall name DISTRICT, the County of Riverside and CITY, its agencies,  
26 districts, special districts, and departments, their respective directors,  
27 officers, Board of Supervisors, employees, elected or appointed  
28 officials, agents or representatives as additional insureds. Policy's limit

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of liability shall not be less than \$2,000,000 per occurrence combined single limit. If such insurance contains a general aggregate limit, it shall apply separately to this Agreement or be no less than two (2) times the occurrence limit.

C. Vehicle Liability:

If DEVELOPER'S vehicles or mobile equipment are used in the performance of the obligations under this Agreement, then DEVELOPER shall maintain liability insurance for all owned, non-owned or hired vehicles so used in an amount not less than \$1,000,000 per occurrence combined single limit. If such insurance contains a general aggregate limit, it shall apply separately to this Agreement or be no less than two (2) times the occurrence limit. Policy shall name DISTRICT, the County of Riverside and CITY, its agencies, districts, special districts, and departments, their respective directors, officers, Board of Supervisors, employees, elected or appointed officials, agents or representatives as additional insureds.

D. Professional Liability:

DEVELOPER shall maintain Professional Liability Insurance providing coverage for DEVELOPER'S performance of work included within this Agreement, with a limit of liability of not less than \$2,000,000 per occurrence and \$4,000,000 annual aggregate. If DEVELOPER'S Professional Liability Insurance is written on a claims made basis rather than an occurrence basis, such insurance shall continue through the term of this Agreement and DEVELOPER shall purchase at his sole expense either 1) an Extended Reporting Endorsement (also known as Tail Coverage); or 2) Prior Dates Coverage from a new insurer with a retroactive date back to the date of, or prior to, the inception of this Agreement; or 3) demonstrate

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1 through Certificates of Insurance that DEVELOPER has maintained  
2 continuous coverage with the same or original insurer. Coverage  
3 provided under items: 1), 2) or 3) will continue as long as the law  
4 allows.

5 E. General Insurance Provisions – All Lines:

- 6 i. Any insurance carrier providing insurance coverage hereunder shall  
7 be admitted to the State of California and have an A.M. BEST  
8 rating of not less than an A: VIII (A: 8) unless such requirements  
9 are waived, in writing, by the County and CITY Risk Managers. If  
10 the Risk Managers waives a requirement for a particular insurer  
11 such waiver is only valid for that specific insurer and only for one  
12 policy term.
- 13 ii. DEVELOPER must declare its insurance self-insured retention for  
14 each coverage required herein. If any such self-insured retention  
15 exceeds \$500,000 per occurrence each such retention shall have the  
16 prior written consent of the County and CITY Risk Managers  
17 before the commencement of operations under this Agreement.  
18 Upon notification of self-insured retention deemed unacceptable to  
19 DISTRICT, and at the election of the Risk Managers,  
20 DEVELOPER'S carriers shall either: 1) reduce or eliminate such  
21 self-insured retention with respect to this Agreement with  
22 DISTRICT, or 2) procure a bond which guarantees payment of  
23 losses and related investigations, claims administration, and  
24 defense costs and expenses.
- 25 iii. DEVELOPER shall cause their insurance carrier(s) or its  
26 contractor's insurance carrier(s), to furnish DISTRICT with 1) a  
27 properly executed original certificate(s) of insurance and certified  
28 original copies of endorsements effecting coverage as required

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herein; and 2) if requested to do so orally or in writing by the County and CITY Risk Managers, provide original certified copies of policies including all endorsements and all attachments thereto, showing such insurance is in full force and effect. Further, said certificate(s) and policies of insurance shall contain the covenant of the insurance carrier(s) that a minimum of sixty (60) days written notice shall be given to DISTRICT prior to any material modification, cancellation, expiration or reduction in coverage of such insurance. If DEVELOPER insurance carrier(s) policies does not meet the minimum notice requirement found herein, DEVELOPER shall cause DEVELOPER'S insurance carrier(s) or its contractor's insurance carrier(s) to furnish a 60 day Notice of Cancellation Endorsement. In the event of a material modification, cancellation, expiration or reduction in coverage, this Agreement shall terminate forthwith, unless DISTRICT receives, prior to such effective date, another properly executed original certificate of insurance and original copies of endorsements or certified original policies, including all endorsements and attachments thereto, evidencing coverages set forth herein and the insurance required herein is in full force and effect. An individual authorized by the insurance carrier to do so on its behalf shall sign the original endorsements for each policy and the certificate of insurance.

iv. It is understood and agreed by the parties hereto that DEVELOPER'S insurance shall be construed as primary insurance, and DISTRICT'S and CITY'S insurance and/or deductibles and/or self-insured retentions or self-insured programs shall not be construed as contributory.

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- v. If, during the term of this Agreement or any extension thereof, there is a material change in the scope of services or there is a material change in the equipment to be used in the performance of the scope of work which will add additional exposures (such as the use of aircraft, watercraft, cranes, etc.); or the term of this Agreement, including any extensions thereof, exceeds five (5) years, DISTRICT and CITY reserve the right to adjust the types of insurance required under this Agreement and the monetary limits of liability for the insurance coverages currently required herein, if in the County or CITY Risk Manager's reasonable judgment, the amount or type of insurance carried by DEVELOPER has become inadequate.
- vi. DEVELOPER shall pass down the insurance obligations contained herein to all tiers of subcontractors working under this Agreement.
- vii. The insurance requirements contained in this Agreement may be met with a program(s) of self-insurance acceptable to DISTRICT and CITY.
- viii. DEVELOPER agrees to notify DISTRICT and CITY of any claim by a third party or any incident or event that may give rise to a claim arising from the performance of this Agreement.

Failure to maintain the insurance required by this paragraph shall be deemed a material breach of this Agreement and shall authorize and constitute authority for DISTRICT or CITY, at their sole discretion, to provide written notice to DEVELOPER that DISTRICT or CITY is unable to perform its obligations hereunder, nor to accept responsibility for ownership, operation and maintenance of DISTRICT FACILITIES or APPURTENANCES due, either in whole or in part, to said breach of this Agreement.

18. Construct or cause to be constructed, PROJECT at DEVELOPER'S sole cost and expense, in accordance with DISTRICT and CITY approved IMPROVEMENT PLANS.



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19. Within two (2) weeks of completing PROJECT construction, provide DISTRICT (Attention: Development Review Section) and CITY with written notice that PROJECT construction is substantially complete and requesting that DISTRICT conduct a final inspection of DISTRICT FACILITIES and CITY conduct a final inspection of APPURTENANCES.

20. Upon completion of PROJECT construction, and upon acceptance by CITY of all rights of way deemed necessary by DISTRICT and CITY for the operation and maintenance of PROJECT, but prior to DISTRICT acceptance of DISTRICT DRAINAGE FACILITIES for ownership, operation and maintenance, convey, or cause to be conveyed to DISTRICT the flood control easement(s) including ingress and egress, in a form approved by DISTRICT.

21. [INTENTIONALLY DELETED]

22. Accept ownership and sole responsibility for the operation and maintenance of PROJECT until such time as DISTRICT accepts ownership and responsibility for operation and maintenance of DISTRICT FACILITIES and CITY accepts ownership and responsibility for operation and maintenance of APPURTENANCES. Further, it is mutually understood by the parties hereto that prior to DISTRICT and CITY acceptance of ownership and responsibility for the operation and maintenance of DISTRICT FACILITIES and APPURTENANCES, DISTRICT FACILITIES and APPURTENANCES shall be in a satisfactorily maintained condition as solely determined by DISTRICT and CITY. If, subsequent to the inspection and, in the sole discretion of DISTRICT and CITY, DISTRICT FACILITIES and APPURTENANCES are not in an acceptable condition, corrections shall be made at sole expense of DEVELOPER.

23. Pay, if suit is brought upon this Cooperative Agreement or any bond guaranteeing the completion of PROJECT, all costs and reasonable expenses and fees, including reasonable attorneys' fees, and acknowledge that, upon entry of judgment, all such costs, expenses and fees shall be computed as costs and included in any judgment rendered.

24. Upon completion of PROJECT construction, but prior to DISTRICT acceptance of DISTRICT FACILITIES for ownership, operation and maintenance, provide or cause its civil engineer of record or construction civil engineer of record, duly registered in the

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1 I.3., exceeds such costs, DISTRICT shall reimburse DEVELOPER the excess amount within sixty  
2 (60) days after DISTRICT acceptance of DISTRICT FACILITIES as being complete.

3 8. Accept ownership and sole responsibility for the operation and maintenance  
4 of DISTRICT FACILITIES upon (i) DISTRICT inspection of DISTRICT FACILITIES in  
5 accordance with Section I.19.; (ii) DISTRICT acceptance of PROJECT construction as being  
6 complete; (iii) DISTRICT receipt of stamped and signed "record drawings" of PROJECT plans,  
7 as set forth in Section I.24.; (iv) CITY acceptance of APPURTENANCES for ownership,  
8 operation, and maintenance; and (v) DISTRICT'S sole determination that DISTRICT  
9 FACILITIES are in a satisfactorily maintained condition.

10 9. Provide CITY with a reproducible duplicate copy of "record drawings"  
11 PROJECT plans upon DISTRICT acceptance of DISTRICT FACILITIES as being complete.

12 SECTION III

13 CITY shall:

14 1. Review and approve IMPROVEMENT PLANS prior to the start of  
15 PROJECT construction.

16 2. Accept CITY and DISTRICT approved faithful performance and payment  
17 bonds submitted by DEVELOPER as set forth in Section I.7., and hold said bonds as provided  
18 herein.

19 3. Inspect PROJECT construction.

20 4. [INTENTIONALLY DELETED]

21 5. [INTENTIONALLY DELETED]

22 6. Grant DISTRICT, by execution of this Agreement, the right to construct,  
23 inspect, operate and maintain DISTRICT FACILITIES within CITY rights of way.

24 7. Accept ownership and sole responsibility for the operation and maintenance  
25 of APPURTENANCES upon DISTRICT acceptance of DISTRICT FACILITIES for ownership,  
26 operation and maintenance.

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8. Not grant any occupancy permits for any units within any portion of Tract No. 22180-2, or any phase thereof, until construction of PROJECT is complete, unless otherwise approved in writing by DISTRICT.

9. Upon DISTRICT acceptance of PROJECT construction as being complete, accept sole responsibility for the adjustment of all PROJECT manhole rings and covers located within CITY rights of way which must be performed at such time(s) that the finished grade along and above the underground portions of DISTRICT FACILITIES are improved, repaired, replaced or changed. It being further understood and agreed that any such adjustments shall be performed at no cost to DISTRICT.

SECTION IV

It is further mutually agreed:

1. All work involved with PROJECT shall be inspected by DISTRICT and CITY but shall not be deemed complete until DISTRICT and CITY mutually agree in writing that construction is completed in accordance with DISTRICT and CITY approved IMPROVEMENT PLANS.

2. CITY and DEVELOPER personnel may observe and inspect all work being done on DISTRICT FACILITIES, but shall provide any comments to DISTRICT personnel who shall be solely responsible for all quality control communications with DEVELOPER'S contractor(s) during the construction of PROJECT.

3. DEVELOPER shall complete construction of PROJECT within twelve (12) consecutive months after execution of this Cooperative Agreement and within one hundred twenty (120) consecutive calendar days after commencing work on PROJECT. It is expressly understood that since time is of the essence in this Cooperative Agreement, failure of DEVELOPER to perform the work within the agreed upon time shall constitute authority for DISTRICT to perform the remaining work and require DEVELOPER'S surety to pay to CITY the penal sum of any and all bonds. In which case, CITY shall subsequently reimburse DISTRICT for DISTRICT costs incurred.

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1                   4. If DEVELOPER fails to commence construction of PROJECT within nine  
 2 (9) months after execution of this Cooperative Agreement, then DISTRICT reserves the right to  
 3 withhold issuance of the Notice to Proceed pending a review of the existing site conditions as they  
 4 exist at the time DEVELOPER provides written notification to DISTRICT of the start of  
 5 construction as set forth in Section I.8. In the event of a change in the existing site conditions that  
 6 materially affects PROJECT function or DISTRICT'S ability to operate and maintain DISTRICT  
 7 FACILITIES, DISTRICT may require DEVELOPER to modify IMPROVEMENT PLANS as  
 8 deemed necessary by DISTRICT.

9                   5. DISTRICT shall endeavor to issue DEVELOPER a Notice to Proceed within  
 10 twenty (20) days of receipt of DEVELOPER'S complete written notice as set forth in Section I.8.;  
 11 however, DISTRICT'S construction inspection staff is limited and, therefore, the issuance of a  
 12 Notice to Proceed is subject to staff availability.

13                   In the event DEVELOPER wishes to expedite issuance of a Notice to  
 14 Proceed, DEVELOPER may elect to furnish an independent qualified construction inspector at  
 15 DEVELOPER'S sole cost and expense. DEVELOPER shall furnish appropriate documentation  
 16 of the individual's credentials and experience to DISTRICT for review and, if appropriate,  
 17 approval. DISTRICT shall review the individual's qualifications and experience, upon approval  
 18 thereof, said individual, hereinafter called "DEPUTY INSPECTOR", shall be authorized to act  
 19 on DISTRICT'S behalf on all DISTRICT FACILITIES construction and quality control matters.  
 20 If DEVELOPER'S initial construction inspection deposit furnished pursuant to Section I.3.  
 21 exceeds ten thousand dollars (\$10,000), DISTRICT shall refund to DEVELOPER up to eighty  
 22 percent (80%) of DEVELOPER'S initial inspection deposit within forty-five (45) days of  
 23 DISTRICT'S approval of DEPUTY INSPECTOR; however, a minimum balance of ten thousand  
 24 dollars (\$10,000) shall be retained on account.

25                   6. PROJECT construction work shall be on a five (5) day, forty (40) hour work  
 26 week with no work on Saturdays, Sundays or DISTRICT designated legal holidays, unless  
 27 otherwise approved in writing by DISTRICT. If DEVELOPER feels it is necessary to work more  
 28 than the normal forty (40) hour work week or on holidays, DEVELOPER shall make a written



1 request for permission from DISTRICT to work the additional hours. The request shall be  
 2 submitted to DISTRICT at least seventy-two (72) hours prior to the requested additional work  
 3 hours and state the reasons for the overtime and the specific time frames required. The decision  
 4 of granting permission for overtime work shall be made by DISTRICT at its sole discretion and  
 5 shall be final. If permission is granted by DISTRICT, DEVELOPER will be charged the cost  
 6 incurred at the overtime rates for additional inspection time required in connection with the  
 7 overtime work in accordance with Ordinance Nos. 671 and 749, including any amendments  
 8 thereto, of the County of Riverside.

9           7. DEVELOPER shall indemnify and hold harmless DISTRICT, County of  
 10 Riverside and CITY (including their agencies, districts, special districts and departments, their  
 11 respective directors, officers, Board of Supervisors, elected and appointed officials, employees,  
 12 agents and representatives) from any liability, claim, damage, proceeding or action, present or  
 13 future, based upon, arising out of or in any way relating to DEVELOPER'S (including its officers,  
 14 employees, subcontractors and agents) actual or alleged acts or omissions related to this  
 15 Agreement, performance under this Agreement, or failure to comply with the requirements of this  
 16 Agreement, including but not limited to: (a) property damage; (b) bodily injury or death; (c)  
 17 liability or damage pursuant to Article I, Section 19 of the California Constitution, the Fifth  
 18 Amendment of the United States Constitution or any other law, ordinance or regulation caused by  
 19 the diversion of waters from the natural drainage patterns or the discharge of drainage within or  
 20 from PROJECT; or (d) any other element of any kind or nature whatsoever.

21           DEVELOPER shall defend, at its sole expense, including all costs and fees  
 22 (including but not limited to attorney fees, cost of investigation, defense and settlements or  
 23 awards), DISTRICT, County of Riverside and CITY (including their agencies, districts, special  
 24 districts and departments, their respective directors, officers, Board of Supervisors, elected and  
 25 appointed officials, employees, agents and representatives) in any claim, proceeding or action for  
 26 which indemnification is required.

27           With respect to any of DEVELOPER'S indemnification requirements,  
 28 DEVELOPER shall, at its sole cost, have the right to use counsel of their own choice and shall

1 have the right to adjust, settle, compromise any such claim, proceeding or action without the prior  
2 consent of DISTRICT, County of Riverside and CITY; provided, however, that any such  
3 adjustment, settlement or compromise in no manner whatsoever limits or circumscribes  
4 DEVELOPER'S indemnification obligations to DISTRICT or CITY.

5 DEVELOPER'S indemnification obligations shall be satisfied when  
6 DEVELOPER has provided to DISTRICT and CITY the appropriate form of dismissal (or similar  
7 document) relieving DISTRICT or CITY from any liability for the claim, proceeding or action  
8 involved.

9 The specified insurance limits required in this Cooperative Agreement shall  
10 in no way limit or circumscribe DEVELOPER'S obligations to indemnify and hold harmless  
11 DISTRICT and CITY from third party claims.

12 In the event there is conflict between this section and California Civil Code  
13 Section 2782, this section shall be interpreted to comply with California Civil Code Section 2782.  
14 Such interpretation shall not relieve DEVELOPER from indemnifying DISTRICT or CITY to the  
15 fullest extent allowed by law.

16 8. DEVELOPER for itself, its successors and assigns hereby releases  
17 DISTRICT, County of Riverside and CITY, their respective officers, agents, and employees from  
18 any and all claims, demands, actions, or suits of any kind arising out of any liability, known or  
19 unknown, present or future, including, but not limited to any claim or liability, based or asserted,  
20 pursuant to Article I, Section 19 of the California Constitution, the Fifth Amendment of the United  
21 States Constitution, or any other law or ordinance which seeks to impose any other liability or  
22 damage, whatsoever, for damage caused by the discharge of drainage within or from PROJECT.  
23 Nothing contained herein shall constitute a release by DEVELOPER of DISTRICT or CITY, their  
24 officers, agents and employees from any and all claims, demands, actions or suits of any kind  
25 arising out of any liability, known or unknown, present or future, for the negligent maintenance  
26 of DISTRICT FACILITIES and APPURTENANCES, after the acceptance of DISTRICT  
27 FACILITIES and APPURTENANCES by DISTRICT and CITY, respectively.



1 9. Any waiver by DISTRICT or by CITY of any breach of any one or more of  
2 the terms of this Cooperative Agreement shall not be construed to be a waiver of any subsequent  
3 or other breach of the same or of any other term hereof. Failure on the part of DISTRICT or CITY  
4 to require exact, full and complete compliance with any terms of this Cooperative Agreement  
5 shall not be construed as in any manner changing the terms hereof, or estopping DISTRICT or  
6 CITY from enforcement hereof.

7 10. Any and all notices sent or required to be sent to the parties of this  
8 Cooperative Agreement will be mailed by first class mail, postage prepaid, to the following  
9 addresses:

10 RIVERSIDE COUNTY FLOOD CONTROL  
11 AND WATER CONSERVATION DISTRICT  
12 1995 Market Street  
13 Riverside, CA 92501  
Attn: Administrative Services Section

CITY OF MORENO VALLEY  
14177 Frederick Street  
Moreno Valley, CA 92553  
Attn: Vince Giron  
Public Works Department

14 RSI COMMUNITIES LLC  
15 620 Newport Center Drive, 12<sup>th</sup> Floor  
16 Newport Beach, CA 92660  
Attn: Rola Ann Nicasio

17 11. This Agreement is to be construed in accordance with the laws of the State  
18 of California. If any provision of this Agreement is held by a court of competent jurisdiction to  
19 be invalid, void or unenforceable, the remaining provisions will nevertheless continue in full force  
20 without being impaired or invalidated in any way.

21 12. Any action at law or in equity brought by any of the parties hereto for the  
22 purpose of enforcing a right or rights provided for by the Cooperative Agreement, shall be tried  
23 in a court of competent jurisdiction in the County of Riverside, State of California, and the parties  
24 hereto waive all provisions of law providing for a change of venue in such proceedings to any  
25 other county.

26 13. This Cooperative Agreement is the result of negotiations between the parties  
27 hereto, and the advice and assistance of their respective counsel. The fact that this Cooperative  
28 Agreement was prepared as a matter of convenience by DISTRICT shall have no import or

Attachment: Cooperative Agreement - TR 22180-2 (2506 : TRACT 22180-2 ? APPROVE COOPERATIVE AGREEMENT BETWEEN)

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significance. Any uncertainty or ambiguity in this Cooperative Agreement shall not be construed against DISTRICT because DISTRICT prepared this Cooperative Agreement in its final form.

14. The rights and obligations of DEVELOPER shall inure to and be binding upon all heirs, successors and assignees.

15. DEVELOPER shall not assign or otherwise transfer any of its rights, duties or obligations hereunder to any person or entity without the written consent of the other parties hereto being first obtained. In the event of any such transfer or assignment, DEVELOPER expressly understands and agrees that it shall remain liable with respect to any and all of the obligations and duties contained in this Cooperative Agreement.

16. The individual(s) executing this Cooperative Agreement on behalf of DEVELOPER certify that they have the authority within their respective company(ies) to enter into and execute this Cooperative Agreement, and have been authorized to do so by all boards of directors, legal counsel, and/or any other board, committee or other entity within their respective company(ies) which have the authority to authorize or deny entering into this Cooperative Agreement.

17. This Cooperative Agreement is intended by the parties hereto as a final expression of their understanding with respect to the subject matter hereof and as a complete and exclusive statement of the terms and conditions thereof and supersedes any and all prior and contemporaneous agreements and understandings, oral or written, in connection therewith. This Cooperative Agreement may be changed or modified only upon the written consent of the parties hereto.

//  
//

Attachment: Cooperative Agreement - TR 22180-2 (2506 : TRACT 22180-2 ? APPROVE COOPERATIVE AGREEMENT BETWEEN)

1 IN WITNESS WHEREOF, the parties hereto have executed this Cooperative Agreement on

2 \_\_\_\_\_  
3 (to be filled in by Clerk of the Board)

4 RECOMMENDED FOR APPROVAL: **RIVERSIDE COUNTY FLOOD CONTROL  
AND WATER CONSERVATION DISTRICT**

6 By \_\_\_\_\_  
7 JASON E. UHLEY  
8 General Manager-Chief Engineer

By \_\_\_\_\_  
MARION ASHLEY, Chairman  
Riverside County Flood Control and Water  
Conservation District Board of Supervisors

9 APPROVED AS TO FORM:  
10 GREGORY P. PRIAMOS  
11 County Counsel

ATTEST:  
KECIA HARPER-IHEM  
Clerk of the Board

12 By \_\_\_\_\_  
13 LEILA MOSHREF-DANESH  
14 Deputy County Counsel

By \_\_\_\_\_  
Deputy  
(SEAL)

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24 Cooperative Agreement:  
25 Sunnymead - Black Shadow Drive Storm Drain, Stage 1  
26 Project No. 4-0-00363  
27 Tract No. 22180-2  
28 AMR:blm  
02/16/17

Attachment: Cooperative Agreement - TR 22180-2 (2506 : TRACT 22180-2 ? APPROVE COOPERATIVE AGREEMENT BETWEEN)

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RECOMMENDED FOR APPROVAL:

CITY OF MORENO VALLEY

By \_\_\_\_\_  
AHMAD R. ANSARI  
Public Works Director/City Engineer

By \_\_\_\_\_  
MICHELLE DAWSON  
City Manager

APPROVED AS TO FORM:

ATTEST:

MARTIN D. KOCZANOWICZ  
City Attorney

By \_\_\_\_\_  
PAUL EARLY  
Assistant City Attorney

By \_\_\_\_\_  
MARIE MACIAS  
Interim City Clerk

(SEAL)

Cooperative Agreement:  
Sunnymead - Black Shadow Drive Storm Drain, Stage 1  
Project No. 4-0-00363  
Tract No. 22180-2  
AMR:blm  
02/16/17

Attachment: Cooperative Agreement - TR 22180-2 (2506 : TRACT 22180-2 ? APPROVE COOPERATIVE AGREEMENT BETWEEN)

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**RSI COMMUNITIES LLC**  
a Delaware limited liability company

By: RSI Holding LLC,  
a Delaware limited liability company  
its Manager

By \_\_\_\_\_  
DARIUS FATAKIA  
Vice President of Land Development

(ATTACH NOTARY WITH CAPACITY  
STATEMENT)

Cooperative Agreement:  
Sunnymead - Black Shadow Drive Storm Drain, Stage 1  
Project No. 4-0-00363  
Tract No. 22180-2  
AMR:blm  
02/16/17

Attachment: Cooperative Agreement - TR 22180-2 (2506 : TRACT 22180-2 ? APPROVE COOPERATIVE AGREEMENT BETWEEN)



## Exhibit A

### LEGAL DESCRIPTION

Real property in the City of Moreno Valley, County of Riverside, State of California, described as follows:

PARCEL 1: (APN'S: 485-111-001-7, 485-111-002-8, 485-111-003-9, 485-111-004-0, 485-111-005-1 THROUGH 485-111-009-5, 485-111-010-5 THROUGH 485-111-014-9, 485-111-015-0, 485-111-016-1 THROUGH 485-111-018-3, 485-112-001-0 THROUGH 485-112-008-7, 485-112-022-9, 485-112-023-0, 485-122-014-0 THROUGH 485-121-024-9, 485-121-025-0, 485-121-014-0, 485-121-015-1 THROUGH 485-121-024-9, 485-121-025-0, 485-113-033-2, 485-113-003-5 THROUGH 485-113-007-9, 485-113-008-0, 485-113-009-1, 485-113-010-1 THROUGH 485-113-018-9, 485-113-019-0, 485-113-020-0, 485-113-021-1 THROUGH 485-113-029-9, 485-114-001-6 THROUGH 485-114-004-9, 485-114-005-0, 485-114-006-1 THROUGH 485-114-015-9, 485-114-016-0 AND 485-114-017-1 THROUGH 485-114-022-5)

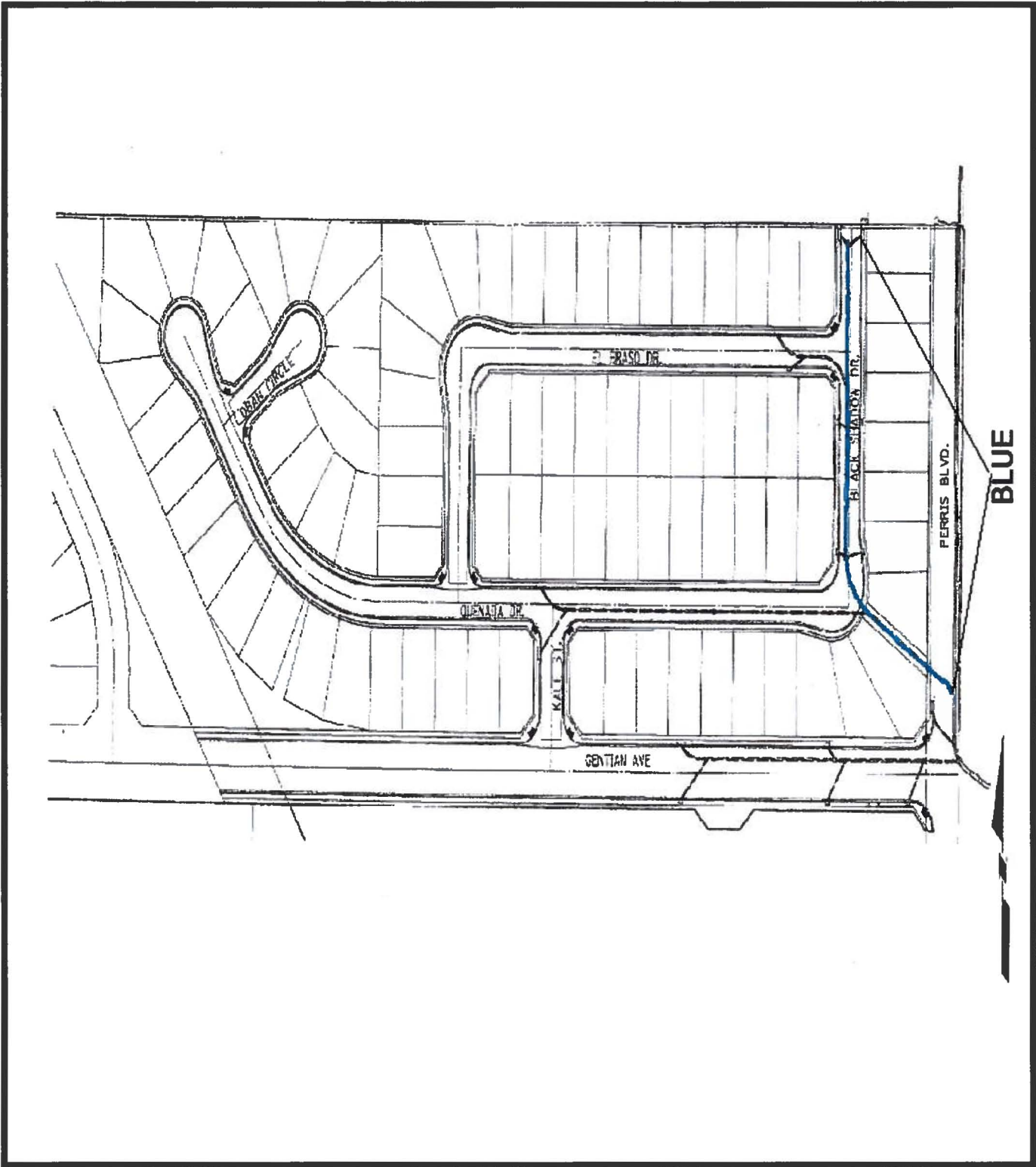
LOTS 1 THROUGH 87 INCLUSIVE OF TRACT NO. 22180-2, IN THE CITY OF MORENO VALLEY, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER PLAT RECORDED IN BOOK 207 PAGES 97 THROUGH 103 INCLUSIVE OF MAPS, RIVERSIDE COUNTY RECORDS.

PARCEL 2: (APN'S: 485-121-001-8, 485-121-002-9, 485-121-003-0, 485-121-004-1 THROUGH 485-121-009-6, 485-121-010-6, 485-122-001-1 THROUGH 485-122-009-9, 485-122-010-9, 485-122-011-0, 485-122-012-1, 485-123-001-4 THROUGH 485-123-006-9, 485-123-007-0, 485-123-008-1, 485-123-009-2, 425-123-010-2 THROUGH 425-123-017-9, 485-123-018-0, 485-123-019-1, 485-123-020-1 THROUGH 485-123-028-9, 485-123-029-0 AND 485-123-030-0)

LOTS 1 THROUGH 53 INCLUSIVE OF TRACT NO. 22180-3, IN THE CITY OF MORENO VALLEY, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, AS PER PLAT RECORDED IN BOOK 208 PAGES 1 THROUGH 6 INCLUSIVE OF MAPS, RIVERSIDE COUNTY RECORDS.

Attachment: Cooperative Agreement - TR 22180-2 (2506 : TRACT 22180-2 ? APPROVE COOPERATIVE AGREEMENT BETWEEN)

# Exhibit B



## COOPERATIVE AGREEMENT

Sunnymead - Black Shadow Drive Storm Drain, Stage 1

TR 22180-2  
Project No. 4-0-00363 Page  
1 of 1

Attachment: Cooperative Agreement - TR 22180-2 (2506 : TRACT 22180-2 ? APPROVE COOPERATIVE AGREEMENT BETWEEN)



## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** March 21, 2017

**TITLE:** TRACT 22180-2 – ACCEPT THE AGREEMENT AND SECURITY FOR PUBLIC IMPROVEMENTS AT THE NORTHWEST CORNER OF GENTIAN AVENUE AND PERRIS BOULEVARD DEVELOPER: RSI COMMUNITIES LLC

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### **RECOMMENDED ACTION**

#### **Recommendations:**

1. Accept the Agreement and Security for Public Improvements for RSI Communities LLC.
2. Authorize the Mayor to execute the Agreement.
3. Direct the City Clerk to forward the signed Agreement to the County Recorder's Office for recordation.
4. Authorize the City Engineer to execute any future time extension amendments to the agreement, subject to City Attorney approval, if the required public improvements are not completed within said timeframe.

### **SUMMARY**

This report recommends approval of the agreement by the City of Moreno Valley and RSI Communities LLC to construct the required public improvements that are located at the northwest corner of Gentian Avenue and Perris Boulevard. The project is funded by RSI Communities LLC.

### **DISCUSSION**

On September 12, 1989, the City Council of the City of Moreno Valley approved Tract 22180-2. The project consists of developing approximately 26 acres into 87 single-family residential lots. This project is located at the northwest corner of Gentian Avenue and Perris Boulevard.

RSI Communities LLC, the developer of this project, has completed an Agreement for Public Improvements. The developer agrees to perform and complete all of the required public improvements within twenty-four (24) months of the date the agreement is executed. The public improvements include, but are not limited to: asphalt pavement, curb, gutter, sidewalk, driveway approaches, street lights, landscaping, storm drain, sewer, and water. The public improvements are to be constructed on Gentian Avenue, Perris Boulevard, Black Shadow Drive, El Braso Drive, Kale Street, Quenada Drive, and Oban Circle. The storm drain will be constructed within the tract and connect to the Riverside County Flood Control and Water Conservation District storm drain system within Perris Boulevard. The City Engineer may execute any future amendments to the agreement, subject to City Attorney approval, if the required public improvements are not completed within said timeframe.

The Conditions of Approval for this project require that the developer provide surety for the required improvements. Accompanying the agreement is a Faithful Performance Bond in the amount of \$6,753,000 and a Material and Labor Bond in the amount of \$3,376,500 issued by American Contractors Indemnity Company.

## **ALTERNATIVES**

1. Approve and authorize the recommended actions as presented in this staff report. *Staff recommends this alternative as it will allow the project to move forward with development and construction of public improvements.*
2. Do not approve and authorize the recommended actions as presented in this staff report. *Staff does not recommend this alternative as it will not allow the project to move forward with development and construction of public improvements.*

## **FISCAL IMPACT**

No fiscal impact is anticipated.

## **NOTIFICATION**

Publication of agenda.

## **PREPARATION OF STAFF REPORT**

Prepared By:  
Vince Girón  
Associate Engineer

Department Head Approval:  
Ahmad R. Ansari, P.E.  
Public Works Director/City Engineer

Concurred By:  
Michael Lloyd, P.E.  
Engineering Division Manager

**CITY COUNCIL GOALS**

**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

**CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

Objective 4.2: Develop and maintain a comprehensive Infrastructure Plan to invest in and deliver City infrastructure.

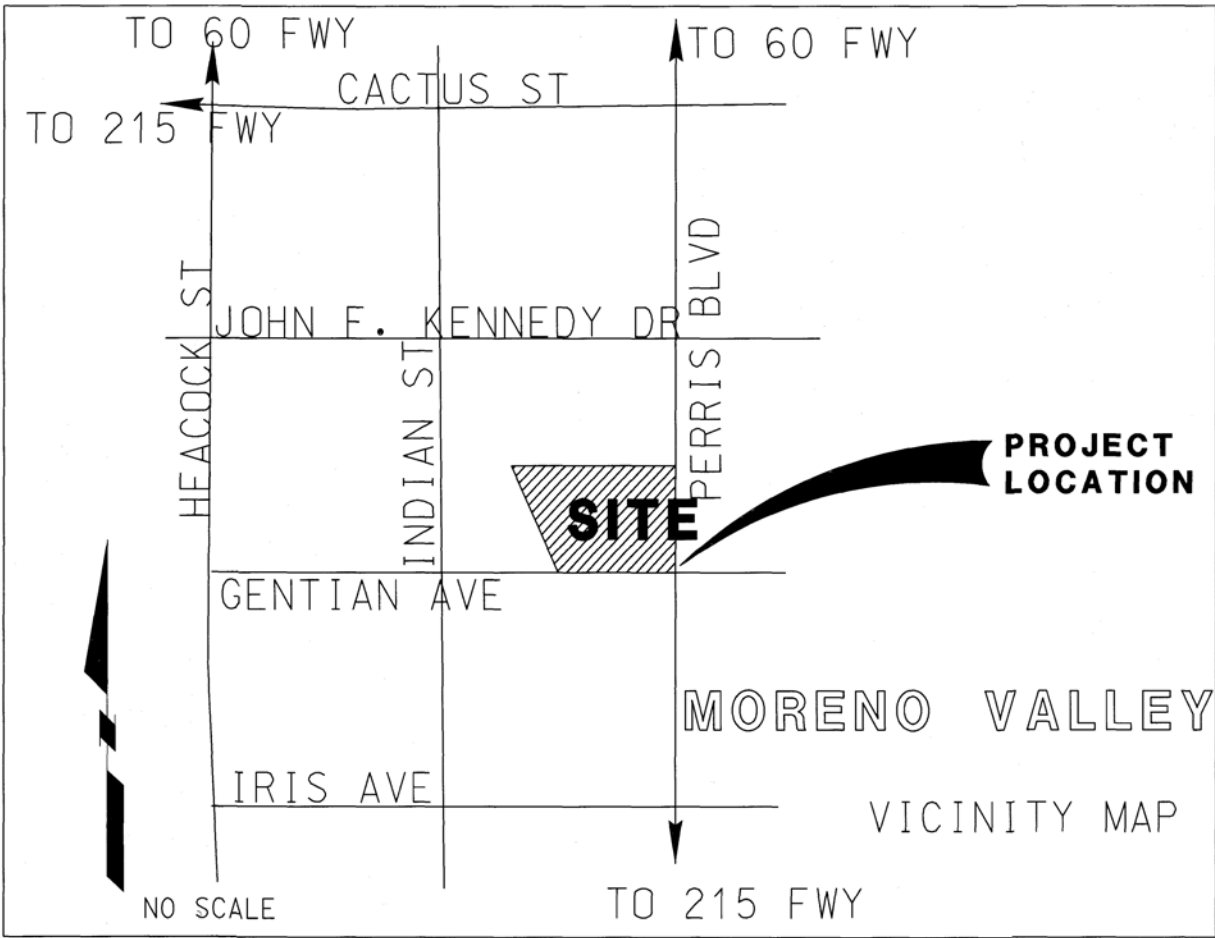
**ATTACHMENTS**

- 1. Vicinity Map TR 22180-2
- 2. Agreement for Public Improvements -TR 22180-2
- 3. Faithful Performance Bond -TR 22180-2
- 4. Material & Labor Bond -TR 22180-2

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	2/28/17 12:49 PM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 4:14 PM
City Manager Approval	<u>✓ Approved</u>	3/08/17 4:17 PM





CITY OF MORENO VALLEY  
PUBLIC WORKS DEPARTMENT - LAND DEVELOPMENT

TR 22180-2

Attachment: Vicinity Map TR 22180-2 (2505 : TRACT 22180-2 ? ACCEPT THE AGREEMENT AND SECURITY)

**AGREEMENT FOR PUBLIC IMPROVEMENTS  
FOR  
PROJECT NO. TR 22180-2**

This Agreement made and entered into by and between the City of Moreno Valley, State of California, hereinafter called City, and **RSI Communities LLC**, herein after called Developer, on the date the City signs this agreement.

**WITNESSETH:**

**FIRST:** Developer, for and in consideration of the approval by the City of the final map of that certain land division, or that certain other land development project, known as **TR 22180-2** agrees, at Developer's own expense, to furnish all labor, equipment and material necessary, and within **TWENTY-FOUR (24)** months from the date this Agreement is executed, to perform and complete in a good and workmanlike manner, all of the required improvements in accordance with those improvement plans for said project which have been approved by the City Engineer, and are on file in the office of the City Engineer, and to do all work incidental thereto in accordance with the standards set forth in City ordinances and regulations, and pay all costs of engineering necessary in connection therewith, which are expressly made a part of this Agreement. All of the above-required work shall be done under the inspection of and to the satisfaction of the City Engineer, and shall not be deemed complete until approved and accepted as complete by the City. Developer further agrees to guarantee the required improvements for a period of one year following acceptance by the City and during this one year period to repair and replace, to the satisfaction of the City Engineer, any defective work or labor done or defective materials furnished. Developer shall complete the improvements described in this paragraph pursuant to Section 66462, Government Code. Developer shall also complete any offsite improvements required as a condition of approval and with plans approved by the City Engineer at such time as the City acquires an interest in the land which will permit the improvements to be made, and the Developer waives the 120 day time limitation set forth in Section 66462.5, Government Code.

Security to guarantee the performance of this agreement shall be in the following amounts:

Faithful Performance security shall be in the sum of **SIX MILLION SEVEN HUNDRED FIFTY THREE THOUSAND AND NO/100** Dollars (**\*\*\*\$6,753,000.00\*\*\***). The estimated cost of said work and improvements, pursuant to the Preliminary Estimate of Cost labeled Exhibit A attached hereto.

Labor and Material security shall be in the sum of **THREE MILLION THREE HUNDRED SEVENTY SIX THOUSAND FIVE HUNDRED AND NO/100** Dollars (**\*\*\*\$3,376,500.00\*\*\***). The estimated cost securing payment of labor and materials is fifty (50) percent of the total cost estimate of the improvements.

Developer further agrees to guarantee the required improvements for a period of one year following acceptance by the City and during this one year period to repair and replace, to the satisfaction of the City Engineer, any defective work or labor done or defective materials furnished. Upon entering the warranty period, the City shall retain ten percent of the original faithful performance security. Developer reserves the right to substitute the form of security, in accordance with the Moreno Valley Municipal Code, at any time during the term of this agreement, subject to approval of the City Engineer and City Attorney.

**SECOND:** Developer agrees to file with City, prior to the date this Agreement is executed, a good and sufficient improvement security in an amount not less than the estimated cost of the work and improvements for the faithful performance of the terms and conditions of this Agreement, and good and sufficient security for payment of labor and materials in the amount prescribed by City ordinances and regulations to secure the claims to which reference is made in Title 15 (commencing with Section 3082) of Part 4 of Division 3 of the Civil Code of the State of California. Developer agrees to renew each and every said bond or bonds with good and sufficient sureties or increase the amounts of said bond or bonds, or both, within ten (10) days after being notified by the City Engineer that the sureties or amounts are insufficient. Notwithstanding any other provision herein, if Developer fails to take such action as is

**AGREEMENT FOR PROJECT NO. TR 22180-2  
PUBLIC IMPROVEMENTS**

Page 2 of 5

necessary to comply with said notice, he shall be in default of this Agreement unless all required improvements are completed within ninety (90) days of the date on which the City Engineer notified the Developer of the insufficiency of said bonds. Developer reserves the right to substitute the form of security in accordance with the City's Municipal Code at any time during the term of this agreement, subject to approval by the City Engineer and City Attorney.

**THIRD:** Developer agrees to pay to the City the actual cost of such inspection of the works and improvements as may be required by the City Engineer. Developer further agrees that, if suit is brought upon this Agreement or any bond guaranteeing the completion of the required improvements, all costs and reasonable expenses and fees incurred by the City in successfully enforcing such obligations shall be paid by Developer and guaranteed by the surety in addition to the face amount of the security, including reasonable attorney's fees, and that, upon entry of judgment, such costs, expenses and fees shall be taxed as costs and included in any judgment rendered.

**FOURTH:** To the furthest extent allowed by law, including California Civil Code Section 2782, Developer shall indemnify, hold harmless and defend City and each of its officers, officials, employees and agents from any and all claims, losses, liabilities, fines, penalties, forfeitures, costs and damages (whether in contract, tort or strict liability, including, but not limited to personal injury, death at any time and/or property damage) incurred by City or any other Person, and from any and all claims, demands and actions in law or equity (including attorney's fees and litigation expenses), arising or alleged to have arisen directly or indirectly out of the performance of this Agreement, including but not limited to the alleged acts or omissions of any contractor, subcontractor, employee or agent acting on behalf of Developer or the design of any improvements to be constructed pursuant to this Agreement or the use of any patent or patented article in the performance of this Agreement.

Developer's obligations to indemnify and hold City harmless shall apply in all instances except those claims caused by the active negligence, sole negligence, or willful misconduct of City or any of its officers, officials, employees or agents. Developer's obligations to defend the City and provide a legal defense (including the retention of attorneys acceptable to City and all legal costs and expenses) shall apply in all instances, except those claims arising out of the sole negligence or the willful misconduct of City or any of its officers, officials, employees or agents.

If Developer retains any contractor or subcontractor to perform any of the Work to be performed under this Agreement, Developer shall require each contractor or subcontractor to indemnify, hold harmless and defend City and each of its officers, officials, employees and agents in accordance with the terms of the preceding paragraphs.

Developer's obligations under his section shall survive the completion of any work to be performed by Developer, the City's inspection and/or acceptance of any work performed by Developer, as well as the termination or expiration of this Agreement.

Developer's provision of insurance, as required below, does not terminate, alter, limit or satisfy Developer's defense and indemnity obligations provided for herein.

**FIFTH:** Throughout the life of the Agreement, Developer shall pay for and maintain in full force and effect all policies of insurance required hereunder with an insurance company (ies) either (i) admitted by the California Insurance Commissioner to do business in the State of California and rated not less than "A-VII" in Best's Insurance Rating Guide, or (ii) as authorized by the City Manager or his/her designee. The following policies of insurance are required:

(i) COMMERCIAL GENERAL LIABILITY insurance which shall be at least as broad as the most current version of Insurance Services Office (ISO) Commercial General Liability Coverage Form CG 00 01 and include insurance for "bodily injury," "property damage" and "personal and advertising injury" with

**AGREEMENT FOR PROJECT NO. TR 22180-2  
PUBLIC IMPROVEMENTS**

Page 3 of 5

coverage for premises and operations (including the use of owned and non-owned equipment), products and completed operations, and contractual liability (including, without limitation, indemnity obligations under the Contract) with limits of not less than \$1,000,000 per occurrence for bodily injury and property damage, \$1,000,000 per occurrence for personal and advertising injury, \$2,000,000 aggregate for products and completed operations and \$2,000,000 general aggregate.

(ii) COMMERCIAL AUTOMOBILE LIABILITY insurance which shall be at least as broad as the most current version of Insurance Services Office (ISO) form CA 00 01 and shall include coverage for "any auto" with limits of liability of not less than \$1,000,000 per accident for bodily and property damage. Commercial Automobile Liability coverage is required if automobiles are to be operated on city-owned property or within City right-of-way.

(iii) WORKERS' COMPENSATION insurance as required under the California Labor Code.

Developer shall be responsible for payment of any deductibles or self-insured retentions contained in any insurance policies required hereunder.

All policies of insurance required hereunder shall be endorsed to provide that the coverage shall not be cancelled, non-renewed, reduced in coverage or in limits except after thirty (30) calendar day written notice by certified mail, return receipt requested, has been given to the City. Upon issuance by the insurer, broker or agent of a notice of cancellation, non-renewal or reduction in coverage or limits, Developer shall furnish City with a new certificate and applicable endorsements for such policy(ies). In the event any policy(ies) is due to expire before the completion of the work, Developer shall provide a new certificate and all applicable endorsements evidencing renewal of such policy(ies) not less than 15 calendar days prior to the expiration date of the expiring policy(ies).

The General Liability and Automobile Liability insurance policies shall be written on an occurrence form and endorsed to name the City and its officers, officials, employees and agents as additional insured's. Such policy(ies) of insurance shall be endorsed so Developer's insurance shall be primary and no contribution shall be required of City. Any Workers' Compensation insurance policy shall contain a waiver of subrogation as to City, its officers, officials, employees and agents. Developer shall furnish City with the certificate(s) and applicable endorsements for all required insurance fourteen (14) days prior to the start of work. NOTE: A Certificate of Insurance is not acceptable. The Certificate of Insurance must be accompanied by the additional insured and primary insurance endorsements.

If Developer retains any contractor or subcontractor to perform any of the Work to be performed under this Agreement, Developer shall require each contractor or subcontractor to provide insurance protection in favor of City, its officers, officials, employees and agents in accordance with the terms of the Agreement. Any contractor or subcontractor performing work on behalf of Developer shall likewise be required to name City its officers, officials, employees and agents as additional insured's as required herein. Developer shall obtain certificates and endorsements from such contractors or subcontractors before the commencement of any work.

At any time during the Agreement, upon request of City, Developer shall immediately furnish City with a complete copy of any insurance policy required under this Agreement, including all endorsements, with said copy certified by the underwriter to be a true and correct copy of the original policy.

If at any time Developer fails to maintain the required insurance in full force and effect, all work permitted thereunder shall be discontinued immediately until notice is received by City that the required insurance has been restored to full force and effect and that the premiums therefore have been paid for a period satisfactory to City. Any failure by Developer to provide or maintain the required insurance shall be considered a material breach of the Agreement.



**AGREEMENT FOR PROJECT NO. TR 22180-2  
PUBLIC IMPROVEMENTS**

The fact that insurance is obtained by Developer shall not be deemed to release or diminish its liability, including but not limited to, liability under the indemnity provisions on this Agreement. Developer's duty to defend and indemnify City shall apply to all claims and liabilities, regardless of whether any insurance policies are applicable. The policy limits stated herein do not act as a limitation upon the amount of indemnification required to be provided by Developer.

**SIXTH** The Developer hereby grants to the City and/or to any authorized agent or employee of the City, the irrevocable permission to enter upon the lands of the above-referenced land division for the purpose of completing the improvements. This permission shall terminate in the event that the Developer has completed the work within the time specified or any extension thereof granted by the City.

**SEVENTH:** Developer agrees at all times, up to the completion and acceptance of the improvements by the City, to give good and adequate warning to the traveling public of each and every dangerous condition caused by the construction of the improvements, and to protect the traveling public from such defective or dangerous conditions. The Developer shall keep all traveled ways that are a part of, or affected by the construction of this project free and clear of mud, dirt and debris and shall provide twice monthly street sweeping service. A copy of the contract for street sweeping service shall be provided to the City. The Developer's obligation under this provision shall be secured by the bonds securing performance of this Agreement.

**EIGHTH:** The Developer, his agents and employees, shall give notice to the City Engineer at least 48 hours before beginning any work and shall furnish said City Engineer all reasonable facilities for obtaining full information with respect to the progress and manner of work.

**NINETH:** If the Developer, or his agents or employees, neglects, refuses, or fails to prosecute the work with such diligence as to insure its completion within the specified time, or within such extensions of time as have been granted by the City, or if the Developer violates, neglects, refuses, or fails to perform satisfactorily any of the provisions of the plans and specifications, he shall be in default of this Agreement and notice in writing of such default shall be served upon him. The City Council shall have the power, on recommendation by the City Engineer, to terminate all rights of the Developer because of such default. The determination by the City Engineer of the question as to whether any of the terms of the Agreement or specifications have been violated, or have not been performed satisfactorily, shall be conclusive upon the Developer, and any and all parties who may have any interest in the Agreement or any portion thereof. The foregoing provisions of this section shall be in addition to all other rights and remedies available to the City under law.

**TENTH:** It is further agreed by and between the parties hereto, including the surety or sureties on the bonds securing this Agreement that, in the event it is deemed necessary to extend the time of completion of the work contemplated to be done under this Agreement, extensions of time **may** be granted by the City from time to time, either at its own option, or upon request of Developer, and such extensions shall in no way affect the validity of this Agreement or release the surety or sureties on said bonds, Developer further agrees to maintain the aforesaid bonds in full force and effect during the terms of this Agreement, including any extensions of time as may be granted therein.

**ELEVENTH:** It is understood and agreed by the parties hereto that if any part, term or provision of this Agreement is by the courts held to be unlawful and void, the validity of the remaining portions shall not be affected and the rights and obligations of the parties shall be construed and enforced as if the Agreement did not contain the particular part, term or provision held to be invalid.

**TWELFTH:** In the event legal action is required to enforce the terms of the Agreement, the prevailing party shall be entitled to recover attorney's fees and costs, including expert fees.



**AGREEMENT FOR PROJECT NO. TR 22180-2  
PUBLIC IMPROVEMENTS**

**THIRTEENTH:** Any notice or notices required or permitted to be given pursuant to this Agreement shall be served on the other party by mail, postage prepaid, at the following addresses:

**City:**  
City Engineer  
P.O. Box 88005  
14177 Frederick Street  
Moreno Valley, CA 92552-0805

**Developer:**  
RSI Communities LLC  
620 Newport Center Drive  
12<sup>th</sup> Floor  
Newport Beach, CA 92660

**IN WITNESS WHEREOF** Developer has affixed his name, address and seal.

Date approved by the City: \_\_\_\_\_

**RSI Communities LLC:**  
Developer

By: \_\_\_\_\_  
Signature

**Darius Fatakia**  
Print/Type Name **Vice President Land Development**  
Title

By: \_\_\_\_\_  
Signature

**Patrick Donahue**  
Print/Type Name **Division President**  
Title **Southern California**

**ATTEST:**  
**CITY CLERK**  
**OF THE CITY OF MORENO VALLEY**

By: \_\_\_\_\_  
City Clerk

**(SEAL)**

**CITY OF MORENO VALLEY**

By: \_\_\_\_\_  
Mayor

**APPROVED AS TO FORM:**  
**CITY ATTORNEY**

Date: \_\_\_\_\_

By: \_\_\_\_\_  
City Attorney

**NOTE: TWO SIGNATURES ARE REQUIRED FOR CORPORATIONS UNLESS CORPORATE DOCUMENTS ARE PROVIDED THAT INDICATE OTHERWISE.**

SIGNATURES OF DEVELOPER MUST BE EXECUTED IN QUADRUPPLICATE AND THE EXECUTION OF THE ORIGINAL COPY MUST BE ACKNOWLEDGED BEFORE A NOTARY ORIGINAL - CITY CLERK; PINK - DEVELOPER; GREEN - SURETY; BLUE - PROJECT FILE

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )

County of Orange )

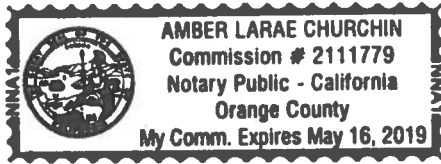
On 2/22/17 before me, Amber Larae Churchin, Notary Public,  
Date Here Insert Name and Title of the Officer

personally appeared Darius Fatakia  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Handwritten Signature]  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: \_\_\_\_\_ Document Date: \_\_\_\_\_

Number of Pages: \_\_\_\_\_ Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_

- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Individual  Attorney in Fact
- Trustee  Guardian or Conservator
- Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_

- Corporate Officer — Title(s): \_\_\_\_\_
- Partner —  Limited  General
- Individual  Attorney in Fact
- Trustee  Guardian or Conservator
- Other: \_\_\_\_\_

Signer Is Representing: \_\_\_\_\_

**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

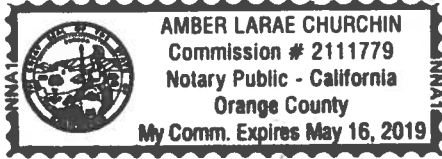
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State of California )  
County of Orange )  
On 2/22/17 before me, Amber LaRae Churchin, Notary Public,  
Date Here Insert Name and Title of the Officer  
personally appeared Patrick Donahue  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

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 Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

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 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

EXHIBIT "A"  
ENGINEER'S ESTIMATE

Sheet 1 of 8

*VBG*  
*2/21/17*

PROJECT: 0 TRACT 22180-2  
PUBLIC PAVEMENT SECTIONS  
DATE: 07/22/16  
PREPARED BY: Vince Giron

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>Street Work - Non DIF Non TUMF</b>				
Roadway Excavation	2972	C.Y.	29.00	86,188
A.B. Class II - Street 1	0.75	Thickness (ft.)		
	79401	S.F.	4317 Ton	142,461
A.C. - Street 1	0.45	Thickness (ft.)		
	79401	S.F.	2590 Ton	207,200
Roadway Excavation			2279 C.Y.	66,091
A.B. Class II - Street 2	0.5	Thickness (ft.)		
	123047	S.F.	4460 Ton	147,180
A.C. - Street 2	0.3	Thickness (ft.)		
	123047	S.F.	2676 Ton	214,080
Roadway Excavation			0 C.Y.	0
A.B. Class II - Street 3	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
A.C. - Street 3	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
Roadway Excavation			0 C.Y.	0
A.B. Class II - Street 4	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
A.C. - Street 4	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
<b>Street Work - DIF</b>				
Roadway Excavation			0 C.Y.	0
A.B. Class II - Street 1	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
A.C. - Street 1	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
Roadway Excavation			0 C.Y.	0
A.B. Class II - Street 2	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
A.C. - Street 2	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
Roadway Excavation			0 C.Y.	0
A.B. Class II - Street 3	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
A.C. - Street 3	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
Roadway Excavation			0 C.Y.	0
A.B. Class II - Street 4	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
A.C. - Street 4	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
<b>Street Work - TUMF</b>				
Roadway Excavation			0 C.Y.	0
A.B. Class II - Street 1	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
A.C. - Street 1	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
Roadway Excavation			0 C.Y.	0
A.B. Class II - Street 2	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
A.C. - Street 2	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
Roadway Excavation			0 C.Y.	0
A.B. Class II - Street 3	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
A.C. - Street 3	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
Roadway Excavation			0 C.Y.	0
A.B. Class II - Street 4	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
A.C. - Street 4	0	Thickness (ft.)		
	0	S.F.	0 Ton	0
			SUBTOTAL:	863,200





EXHIBIT "A"  
ENGINEER'S ESTIMATE

Sheet 3 of 8

PROJECT: 0

DATE: 07/22/16  
PREPARED BY: Vince Giron

## PUBLIC STREET WORK (CONTINUED)

VBG  
2/21/17

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>Special Districts</b>				
Landscaping - Medians	5350	S.F.	6.00	32,100
Landscaping - Parkways	0	S.F.	6.00	0
100W HPSV or Equivalent (9,500 Lumens)	22	EA.	5,000.00	110,000
200W HPSV or Equivalent (22,000 Lumens)	13	EA.	6,000.00	78,000
250W HPSV or Equivalent	0	EA.	6,000.00	0
100W LED or Equivalent	0	EA.	5,000.00	0
145W LED or Equivalent	0	EA.	5,000.00	0
	SPECIAL DISTRICTS SUBTOTAL:			220,100
<b>Moreno Valley Utilities</b>				
Electrical Utility Infrastructure	1	L.S.	715,000.00	715,000
	MVU SUBTOTAL:			715,000
<b>Parks &amp; Community Services</b>				
Aqueduct Linear Park	1	L.S.	603,090.00	603,090
<b>Water Quality Basin</b>				
Landscaping	0	S.F.	6.00	0
Filtration Devices	0	EA.	0.00	0
Access Ramp PCC	0	S.F.	0.00	0
Low-Flow Pipe System	0	L.F.	0.00	0
Headwalls	0	EA.	0.00	0
Outlets	0	EA.	0.00	0
Risers	0	EA.	0.00	0
Forebay PCC	0	S.F.	0.00	0
Toe of slope protection PCC	0	S.F.	20.00	0
	WQB SUBTOTAL:			0
<b>Transportation Engineering (Plan Checked and Inspected by Transp. Eng. Staff)</b>				
Traffic Signal New (Interconnect, Controller, Software, Initial Coordination)	0	EA.	272,000.00	0
Traffic Signal Modification	1	L.S.	163,200.00	163,200
Traffic Signal Interconnect (Existing Signals Only)	0	L.F.	30.00	0
	TRANSPORTATION SUBTOTAL:			163,200

EXHIBIT "A"  
ENGINEER'S ESTIMATE

Sheet 4 of 8

VBSG  
2/21/17

PROJECT: 0

DATE: 07/22/16  
PREPARED BY: Vince Giron

## PUBLIC STORM DRAIN SYSTEM

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>Pipe</b>				
12" Reinforced Concrete Pipe	0	L.F.	130.00	0
18" Reinforced Concrete Pipe	0	L.F.	140.00	0
24" Reinforced Concrete Pipe	338	L.F.	160.00	54,080
24" Reinforced Concrete Pipe (DIF Street Name)	0	L.F.	160.00	0
30" Reinforced Concrete Pipe	695	L.F.	180.00	125,100
36" Reinforced Concrete Pipe	633	L.F.	190.00	120,270
39" Reinforced Concrete Pipe	0	L.F.	200.00	0
42" Reinforced Concrete Pipe	0	L.F.	210.00	0
60" Reinforced Concrete Pipe	0	L.F.	350.00	0
66" Reinforced Concrete Pipe	0	L.F.	375.00	0
72" Reinforced Concrete Pipe	0	L.F.	414.00	0
78" Reinforced Concrete Pipe	0	L.F.	459.00	0
84" Reinforced Concrete Pipe	0	L.F.	505.00	0
90" Reinforced Concrete Pipe	0	L.F.	557.00	0
96" Reinforced Concrete Pipe	0	L.F.	613.00	0
102" Reinforced Concrete Pipe	0	L.F.	671.00	0
108" Reinforced Concrete Pipe	0	L.F.	724.00	0
114" Reinforced Concrete Pipe	0	L.F.	785.00	0
12" HDPE	0	L.F.	45.00	0
18" HDPE	0	L.F.	50.00	0
24" HDPE	0	L.F.	55.00	0
30" HDPE	0	L.F.	60.00	0
36" HDPE	0	L.F.	70.00	0
42" HDPE	0	L.F.	80.00	0
48" HDPE	0	L.F.	90.00	0
54" HDPE	0	L.F.	125.00	0
60" HDPE	0	L.F.	140.00	0
4" PVC SCH. 40	0	L.F.	25.00	0
4" PVC SCH. 80	0	L.F.	30.00	0
6" PVC SCH. 40	0	L.F.	30.00	0
6" PVC SCH. 80	0	L.F.	35.00	0
8" PVC SCH. 40	0	L.F.	40.00	0
8" PVC SCH. 80	0	L.F.	48.00	0
Reinforced Concrete Structure	0	C.Y.	500.00	0
Remove exc. 57" RCP	10	L.F.	70.00	700
8' X 12' Reinforced Concrete Box	0	C.Y.	1400.00	0
2 - 72" Reinforced Concrete Pipe	0	L.F.	840.00	0
3 - 4' X 2' Reinforced Concrete Pipe	0	L.F.	461.00	0
	0		0.00	0
<b>Manholes</b>				
Manhole No. 1	2	EA.	5000.00	10,000
Manhole No. 2	0	EA.	7200.00	0
Manhole No. 3	0	EA.	8500.00	0
Manhole No. 4	5	EA.	10000.00	50,000
Concrete Pad 6' x 6" (#4 bars @18")	0	EA.	150.00	0
	0		0.00	0
<b>Catch Basins</b>				
Catch Basin (3.5')	0	EA.	3100.00	0
Catch Basin (7')	11	EA.	5500.00	60,500
Catch Basin (10')	4	EA.	6700.00	26,800
Catch Basin (14')	1	EA.	8000.00	8,000
Catch Basin (21')	0	EA.	12500.00	0
Local Depressions	16	EA.	535.00	8,560
Catch Basin (3.5') (DIF Street Name)	0	EA.	3100.00	0
Catch Basin (7') (DIF Street Name)	0	EA.	5500.00	0
Catch Basin (10') (DIF Street Name)	0	EA.	6000.00	0
Catch Basin (14') (DIF Street Name)	0	EA.	8000.00	0
Catch Basin (21') (DIF Street Name)	0	EA.	12500.00	0
Local Depressions (DIF Street Name)	0	EA.	535.00	0
24" X 24" Grate basin	0	EA.	2500.00	0
18" X 18" Grate Basin	0	EA.	2100.00	0
6" Wide Strip Basin	0	EA.	3000.00	0
Removal/Relocation- Catch Basin	0	EA.	5000.00	0
Grated Catch Basin	0	EA.	6000.00	0

EXHIBIT "A"  
ENGINEER'S ESTIMATE

Sheet 5 of 8

PROJECT: 0

DATE: 07/22/16  
PREPARED BY: Vince Giron

## PUBLIC STORM DRAIN SYSTEM (CONTINUED)

VBS  
2/21/17

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>Structures</b>				
Transition Structure	0	EA.	5500.00	0
Junction Structure No. 2	3	EA.	6500.00	19,500
Type IX Inlet Structure	0	EA.	2500.00	0
Inlet Structure (drop)	0	EA.	4000.00	0
Outlet Structure	0	EA.	8000.00	0
Concrete Collar (to 48")	0	EA.	3000.00	0
Headwall	0	EA.	5500.00	0
Concrete Collar (Grater than 48")	0	EA.	5000.00	0
Modified Junction Structure	0	EA.	15000.00	0
Join Existing Structure (Special Connection)	2	EA.	5000.00	10,000
End Cap	0	EA.	1000.00	0
<b>Drains</b>				
Terrace Drain	0	S.F.	10.00	0
Down Drain	0	S.F.	10.00	0
Parkway Drain	1	EA.	3500.00	3,500
Under Sidewalk	0	EA.	600.00	0
Curb Outlet	0	EA.	250.00	0
"V" Gutter	0	S.F.	10.00	0
EODE Concrete Channel	0	C.Y.	250.00	0
<b>Miscellaneous</b>				
Rip Rap	0	TON	60.00	0
Concrete Pipe Slope Anchor	0	EA.	2500.00	0
Manhole Shaft	0		6000.00	0
6'x6'x6' Concrete Pad	1		150	150
CDF (Compact Density Fill)	10	C.Y.	100	1,000
Slurry Backfill 420-C-2000	97	C.Y.	110	10,670
			SUBTOTAL:	508,830
<b>RCFC&amp;WCD</b>				
48" Reinforced Concrete Pipe (RCFC)	351	L.F.	235.00	82,485
54" Reinforced Concrete Pipe (RCFC)	191	L.F.	266.00	50,806
54" Reinforced Concrete Pipe w/Trench and Overlay (RCFC)	60	L.F.	293.00	17,580
Remove exc. 57" RCP (RCFC)	10	L.F.	70.00	700
Manhole No. 4 (RCFC)	6	EA.	6500.00	39,000
Junction Structure No. 2 (RCFC)	1	EA.	6500.00	6,500
Concrete Bulkhead (RCFC)	1	EA.	1000.00	1,000
Slurry Backfill 420-C-2000 (RCFC)	27	C.Y.	110	2,970
Sewer Protection (RCFC)	2	EA.	1500	3,000
6'x6'x6' Concrete Pad (RCFC)	1		150	150
			SUBTOTAL:	204,191







VRG  
2/21/17

EXHIBIT "A"  
ENGINEER'S ESTIMATE

Sheet 8 of 8

CITY OF MORENO VALLEY  
PUBLIC WORKS DEPARTMENT - LAND DEVELOPMENT DIVISION  
BOND COMPUTATION SHEET

PROJECT: 0

DATE: 07/22/16  
PREPARED BY: Vince Glron

IMPROVEMENT TYPE:

PAVEMENT SECTION WORK	:	\$863,200
OFFSITE STREET WORK	:	\$1,390,870
SPECIAL DISTRICTS	:	\$220,100
MORENO VALLEY UTILITIES	:	\$715,000
PARKS & COMMUNITY SERVICES	:	\$603,090
WATER QUALITY BASIN	:	\$0
TRANSPORTATION ENGINEERING	:	\$163,200
STORM DRAIN SYSTEM	:	\$508,830
STORM DRAIN SYSTEM (RCFC&WCD)	:	\$204,191
WATER SYSTEM	:	\$466,270
SEWER SYSTEM	:	\$322,065
TRAFFIC IMPROVEMENTS	:	\$36,188
MONUMENTS/OTHER	:	\$133,980

TOTAL COST (VALUE) OF IMPROVEMENTS: \$5,626,983

+20% CONTINGENCY: \$1,125,397

GRAND TOTAL: \$6,752,380

FAITHFUL PERFORMANCE SECURITY AMOUNT: \$6,753,000

LABOR & MATERIAL SECURITY AMOUNT: \$3,376,500

\*The cost for securing payment of Labor and Materials is fifty (50) percent of the total cost estimate of the improvements.



**FAITHFUL PERFORMANCE BOND**

**City of Moreno Valley  
County of Riverside  
State of California  
(Government Code Section 66499.1)**

Public Improvements <u>\$6,753,000</u>	Project No. <u>TR 22180-2</u>
Bond No. <u>1001053513</u>	Premium <u>\$101,295.00/2 Yrs.</u>
Surety <u>American Contractors Indemnity Company</u>	Principal <u>RSI Communities LLC</u>
Address <u>601 S. Figueroa St., Suite 1600</u>	Address <u>620 Newport Center Drive 12th Floor</u>
City/Zip <u>Los Angeles, CA 90017</u>	City/Zip <u>Newport Beach, CA 92660</u>

WHEREAS, the City Council of the City of Moreno Valley, County of Riverside, State of California, and **RSI COMMUNITIES LLC**, (hereinafter designated as "Principal") have entered into, or are about to enter into the attached agreement whereby Principal agrees to install and complete the above-designated public improvements, relating to **TR 22180-2**, which agreement is hereby referred to and made a part hereof; and,

WHEREAS, said principal is required under the terms of said agreement to furnish bond for the faithful performance of said agreement;

NOW, THEREFORE, we the Principal, and American Contractors Indemnity Company, as Surety, are held and firmly bound to the City of Moreno Valley in the penal sum of **SIX MILLION SEVEN HUNDRED FIFTY THREE THOUSAND AND NO/100** Dollars (**\*\*\*\$6,753,000.00\*\*\***), lawful money of the United States, for the payment of which sum will and truly to be made, we bind ourselves, our heirs, successors, executors and administrator, jointly and severally, firmly by these presents.

The condition of this obligation is such that if the above bonded Principal, his or its heirs, executors, administrators, successors, or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and provisions in the said agreement and any alteration thereof made as therein provided, on his or specified, and in all respects according to their true intent and meaning, and shall indemnify and save harmless the City of Moreno Valley, its officers, agents and employees, as therein stipulated, then this obligation shall become null and void; otherwise, it shall be and remain in full force and effect.

As part of the obligation secured hereby, and in addition to the face amount specified therefore, there shall be included costs and reasonable expenses and fees, including reasonable attorney's fees, incurred by City in successfully enforcing such obligation, all to be taxed as costs and included in any judgment rendered.



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189



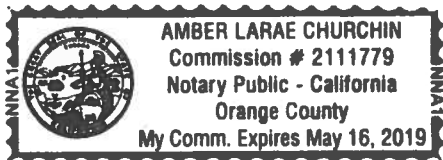
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State of California )
County of Orange )
On 2/23/17 before me, Amber LaRae Churchin, Notary Public
Date Here Insert Name and Title of the Officer
personally appeared Darius Fatakia
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Document Date:
Number of Pages: Signer(s) Other Than Named Above:

Capacity(ies) Claimed by Signer(s)

Signer's Name:
Corporate Officer - Title(s):
Partner - Limited General
Individual Attorney in Fact
Trustee Guardian or Conservator
Other:
Signer Is Representing:

Signer's Name:
Corporate Officer - Title(s):
Partner - Limited General
Individual Attorney in Fact
Trustee Guardian or Conservator
Other:
Signer Is Representing:

# ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Orange }

On February 22, 2017 before me, Susan E. Morales, Notary Public  
(Here insert name and title of the officer)

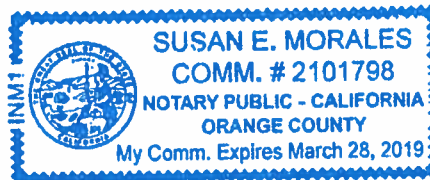
personally appeared Shane Wolf  
who proved to me on the basis of satisfactory evidence to be the person(~~s~~) whose name(~~s~~) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Susan E. Morales  
Notary Public Signature

(Notary Public Seal)



## ADDITIONAL OPTIONAL INFORMATION

### DESCRIPTION OF THE ATTACHED DOCUMENT

1001053513, RSI Comm, Moreno Valley

(Title or description of attached document)

American Contractors Indemnity Co.

(Title or description of attached document continued)

Number of Pages 2 Document Date 2/22/17

### CAPACITY CLAIMED BY THE SIGNER

- Individual (s)  
 Corporate Officer  
 \_\_\_\_\_  
 (Title)  
 Partner(s)  
 Attorney-in-Fact  
 Trustee(s)  
 Other \_\_\_\_\_

## INSTRUCTIONS FOR COMPLETING THIS FORM

*This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.*

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
- Indicate the correct singular or plural forms by crossing off incorrect forms (i.e. ~~he/she/they~~, is /~~are~~) or circling the correct forms. Failure to correctly indicate this information may lead to rejection of document recording.
- The notary seal impression must be clear and photographically reproducible. Impression must not cover text or lines. If seal impression smudges, re-seal if a sufficient area permits, otherwise complete a different acknowledgment form.
- Signature of the notary public must match the signature on file with the office of the county clerk.
  - ❖ Additional information is not required but could help to ensure this acknowledgment is not misused or attached to a different document.
  - ❖ Indicate title or type of attached document, number of pages and date.
  - ❖ Indicate the capacity claimed by the signer. If the claimed capacity is a corporate officer, indicate the title (i.e. CEO, CFO, Secretary).
- Securely attach this document to the signed document with a staple.



POWER OF ATTORNEY

AMERICAN CONTRACTORS INDEMNITY COMPANY U.S. SPECIALTY INSURANCE COMPANY

KNOW ALL MEN BY THESE PRESENTS: That American Contractors Indemnity Company, a California corporation, and U.S. Specialty Insurance Company, a Texas corporation (collectively, the "Companies"), do by these presents make, constitute and appoint:

Todd M. Rohm, Shane Wolf, Cathy S. Kennedy or Beata A. Sensi of Orange, California

its true and lawful Attorney(s)-in-fact, each in their separate capacity if more than one is named above, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, recognizances, undertakings or other instruments or contracts of suretyship to include riders, amendments, and consents of surety, providing the bond penalty does not exceed \*\*\*\*\*Fifty Million\*\*\*\*\* Dollars (\$ \*50,000,000.00\* ).

This Power of Attorney shall expire without further action on November 3, 2019. This Power of Attorney is granted under and by authority of the following resolutions adopted by the Boards of Directors of the Companies:

Be it Resolved, that the President, any Vice-President, any Assistant Vice-President, any Secretary or any Assistant Secretary shall be and is hereby vested with full power and authority to appoint any one or more suitable persons as Attorney(s)-in-Fact to represent and act for and on behalf of the Company subject to the following provisions:

Attorney-in-Fact may be given full power and authority for and in the name of and on behalf of the Company, to execute, acknowledge and deliver, any and all bonds, recognizances, contracts, agreements or indemnity and other conditional or obligatory undertakings, including any and all consents for the release of retained percentages and/or final estimates on engineering and construction contracts, and any and all notices and documents canceling or terminating the Company's liability thereunder, and any such instruments so executed by any such Attorney-in-Fact shall be binding upon the Company as if signed by the President and sealed and effected by the Corporate Secretary.

Be it Resolved, that the signature of any authorized officer and seal of the Company heretofore or hereafter affixed to any power of attorney or any certificate relating thereto by facsimile, and any power of attorney or certificate bearing facsimile signature or facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is attached.

IN WITNESS WHEREOF, The Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 1st day of November, 2016.

AMERICAN CONTRACTORS INDEMNITY COMPANY U.S. SPECIALTY INSURANCE COMPANY

Corporate Seals



By:

[Signature] Daniel P. Aguilar, Vice President

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California County of Los Angeles SS:

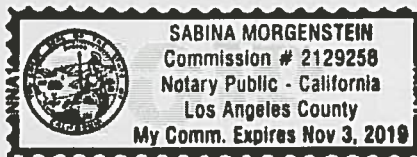
On this 1st day of November, 2016, before me, Sabina Morgenstein, a notary public, personally appeared Dan P. Aguilar, Vice President of American Contractors Indemnity Company and U.S. Specialty Insurance Company who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal.

Signature

[Signature]

(Seal)



I, Kio Lo, Assistant Secretary of American Contractors Indemnity Company and U.S. Specialty Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Companies, which is still in full force and effect; furthermore, the resolutions of the Boards of Directors, set out in the Power of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seals of said Companies at Los Angeles, California this FEB 22 2017 day of \_\_\_\_\_, \_\_\_\_\_.

Corporate Seals



[Signature]

Kio Lo, Assistant Secretary

Bond No. 1001053513 Agency No. 16590

**MATERIAL AND LABOR BOND**

**City of Moreno Valley  
County of Riverside  
State of California  
(Government Code Section 66499.2)**

Public Improvements <u>\$3,376,500</u>	Project No. <u>TR 22180-2</u>
Bond No. <u>1001053513</u>	Premium <u>included with the Performance Bond</u>
Surety <u>American Contractors Indemnity Company</u>	Principal <u>RSI Communities LLC.</u>
Address <u>601 S. Figueroa St., Suite 1600</u>	Address <u>620 Newport Center Drive</u> <u>12th Floor</u>
City/Zip <u>Los Angeles, CA 90017</u>	City/Zip <u>Newport Beach, CA 92660</u>

WHEREAS, the City Council of the City of Moreno Valley, County of Riverside, State of California, and **RSI COMMUNITIES LLC**, (hereinafter designated as "Principal") have entered into, or are about to enter into the attached agreement whereby Principal agrees to install and complete the above-designated public improvements, relating to **TR 22180-2**, which agreement is hereby referred to and made a part hereof; and,

WHEREAS, under the terms of said agreement, principal is required before entering upon the performance of the work, to file a good and sufficient payment bond with the City of Moreno Valley to secure the claims to which reference is made in Title 3 (commencing with Section 9000) of Part 6 of Division 4 of the Civil Code of the State of California.

NOW, THEREFORE, we the Principal, and the undersigned as corporate Surety, are held and firmly bound unto the City of Moreno Valley and all contractors, subcontractors, laborers, material persons and other persons employed in the performance of the aforesaid agreement and referred to in the aforesaid Civil Code in the sum of **THREE MILLION THREE HUNDRED SEVENTY SIX THOUSAND FIVE HUNDRED AND NO/100** Dollars (**\*\*\*\$3,376,500.00\*\*\***), lawful money of the United States, for materials furnished or labor thereon of any kind, or for amounts due under the Unemployment Insurance Act with respect to such work or labor, that said Surety will pay the same in an amount not exceeding the amount hereinabove set forth, also in case suit is brought upon this bond, will pay, in addition to the face amount hereof, costs and reasonable expenses and fees, including reasonable attorney's fees, incurred by City in successfully enforcing such obligation, to be awarded and fixed by the court, and to be taxed as costs and to be included in the judgement therein rendered.

It is hereby expressly stipulated and agreed that this bond shall inure to the benefit of any and all persons, companies and corporations entitled to file claims under Title 3 (commencing with Section 9000) of Part 6 of Division 4 of the Civil Code, so as to give a right of action to them or their assigns in any suit brought upon this bond.

**MATERIAL AND LABOR BOND (Page 2 of 2)**  
**PROJECT NO. TR 22180-2**


Should the condition of this bond be fully performed, then this obligation shall become null and void, otherwise it shall be and remain in full force and effect.

The Surety hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the agreement or the specifications accompanying the same shall in any manner affect its obligation on this bond, and it does hereby waive notice of any such change, extension, alteration or addition. Surety further stipulates and agrees that the provision of Section 2845 of the Civil Code are not a condition precedent to the Surety's obligations hereunder and hereby waived by the Surety.

In witness whereof, this instrument has been duly executed by the Principal and Surety above named, on February 22, 2017.

NAME OF PRINCIPAL: RSI Communities LLC  
Company Name

AUTHORIZED SIGNATURE(S):

	<b>Darius Fatakia</b> <b>Vice President Land Development</b>
Name	Title
Name	Title

NAME OF SURETY: American Contractors Indemnity Company  
Company Name

AUTHORIZED SIGNATURE:   
Shane Wolf ITS ATTORNEY-IN-FACT

ATTACH NOTARIAL ACKNOWLEDGMENT OF SIGNATURE OF PRINCIPAL AND ATTORNEY-IN-FACT.  
BOND COMPANY – ATTACH POWER OF ATTORNEY

Approved as to form:

Date: \_\_\_\_\_

\_\_\_\_\_  
City Attorney  
City of Moreno Valley



**CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT**

**CIVIL CODE § 1189**

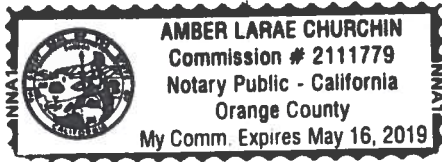
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )  
County of Orange )  
On 2/23/17 before me, Amber Larae Churchin, Notary Public,  
Date Here Insert Name and Title of the Officer  
personally appeared Darius Fatakis  
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Handwritten Signature]  
Signature of Notary Public

Place Notary Seal Above

**OPTIONAL**

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

**Description of Attached Document**

Title or Type of Document: \_\_\_\_\_ Document Date: \_\_\_\_\_  
Number of Pages: \_\_\_\_\_ Signer(s) Other Than Named Above: \_\_\_\_\_

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: \_\_\_\_\_  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

Signer's Name: \_\_\_\_\_  
 Corporate Officer — Title(s): \_\_\_\_\_  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_  
Signer Is Representing: \_\_\_\_\_

# ALL- PURPOSE CERTIFICATE OF ACKNOWLEDGMENT

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California }

County of Orange }

On February 22, 2017 before me, Susan E. Morales, Notary Public,  
(Here insert name and title of the officer)

personally appeared Shane Wolf  
who proved to me on the basis of satisfactory evidence to be the person~~(s)~~ whose  
name~~(s)~~ is/~~are~~ subscribed to the within instrument and acknowledged to me that  
he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity~~(ies)~~, and that by  
his/~~her/their~~ signature~~(s)~~ on the instrument the person~~(s)~~, or the entity upon behalf of  
which the person~~(s)~~ acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that  
the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Susan E. Morales  
Notary Public Signature

(Notary Public Seal)



## ADDITIONAL OPTIONAL INFORMATION

### DESCRIPTION OF THE ATTACHED DOCUMENT

1001053513, RSI Comm, Moreno Valley

(Title or description of attached document)

American Contractors Indemnity Co.

(Title or description of attached document continued)

Number of Pages 2 Document Date 2/22/17

### CAPACITY CLAIMED BY THE SIGNER

- Individual (s)  
 Corporate Officer  
 \_\_\_\_\_  
(Title)  
 Partner(s)  
 Attorney-in-Fact  
 Trustee(s)  
 Other \_\_\_\_\_

## INSTRUCTIONS FOR COMPLETING THIS FORM

*This form complies with current California statutes regarding notary wording and, if needed, should be completed and attached to the document. Acknowledgments from other states may be completed for documents being sent to that state so long as the wording does not require the California notary to violate California notary law.*

- State and County information must be the State and County where the document signer(s) personally appeared before the notary public for acknowledgment.
- Date of notarization must be the date that the signer(s) personally appeared which must also be the same date the acknowledgment is completed.
- The notary public must print his or her name as it appears within his or her commission followed by a comma and then your title (notary public).
- Print the name(s) of document signer(s) who personally appear at the time of notarization.
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  - ❖ Indicate title or type of attached document, number of pages and date.
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- Securely attach this document to the signed document with a staple.



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Todd M. Rohm, Shane Wolf, Cathy S. Kennedy or Beata A. Sensi of Orange, California

its true and lawful Attorney(s)-in-fact, each in their separate capacity if more than one is named above, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver any and all bonds, recognizances, undertakings or other instruments or contracts of suretyship to include riders, amendments, and consents of surety, providing the bond penalty does not exceed \*\*\*\*\*Fifty Million\*\*\*\*\* Dollars (\$ \*50,000,000.00\* ).

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IN WITNESS WHEREOF, The Companies have caused this instrument to be signed and their corporate seals to be hereto affixed, this 1st day of November, 2016.

AMERICAN CONTRACTORS INDEMNITY COMPANY U.S. SPECIALTY INSURANCE COMPANY

Corporate Seals



By:

[Signature] Daniel P. Aguilar, Vice President

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California
County of Los Angeles SS:

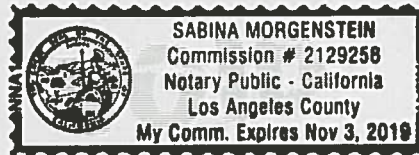
On this 1st day of November, 2016, before me, Sabina Morgenstein, a notary public, personally appeared Dan P. Aguilar, Vice President of American Contractors Indemnity Company and U.S. Specialty Insurance Company who proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.
WITNESS my hand and official seal.

Signature

[Signature]

(Seal)



I, Kio Lo, Assistant Secretary of American Contractors Indemnity Company and U.S. Specialty Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney, executed by said Companies, which is still in full force and effect; furthermore, the resolutions of the Boards of Directors, set out in the Power of Attorney are in full force and effect.

In Witness Whereof, I have hereunto set my hand and affixed the seals of said Companies at Los Angeles, California this FEB 22 2017 day of \_\_\_\_\_, \_\_\_\_\_.

Corporate Seals



[Signature]

Kio Lo, Assistant Secretary

Bond No. 1001053513
Agency No. 16590



## Report to City Council

---

**TO:** Mayor and City Council

**FROM:** Terrie Stevens, Administrative Services Director

**AGENDA DATE:** March 21, 2017

**TITLE:** ADOPT RESOLUTION NO. 2017-13 DECLARING SUPPORT FOR AN ENERGY PARTNERSHIP BETWEEN SOUTHERN CALIFORNIA EDISON COMPANY AND SOUTHERN CALIFORNIA GAS COMPANY TO BE KNOWN AS "ENERGY PARTNERSHIP"

---

### **RECOMMENDED ACTION**

#### **Recommendation:**

1. Adopt Resolution No. 2017-13. A resolution of the City Council of the City of Moreno Valley, California, declaring support for an energy partnership between Southern California Edison, Southern California Gas Company, and Western Riverside Council of Governments to promote energy efficiency and sustainability.

### **SUMMARY**

This report recommends adoption of the proposed resolution which will declare support for an energy partnership between Southern California Edison (SCE), Southern California Gas Company (SoCalGas), and the Western Riverside Council of Governments (WRCOG). The WRCOG is requesting the participation of local governments in the Western Riverside Energy Leader Partnership, a unit of WRCOG. The City Council is requested to consider adopting the proposed resolution declaring participation in the Western Riverside Energy Leader Partnership program.

### **DISCUSSION**

As the local demand for energy continues to grow, Western Riverside Energy Leader Partnership encourages the cooperation of local governments in promoting energy efficiency and regional sustainability goals. Based on the direction of the California Public Utilities Commission, this new partnership replaces the Energy Coalition in order

to consolidate regional energy efficiency efforts. The goal of Western Riverside Energy Leader Partnership is to encourage participation in programs pertaining to the innovative design and construction of new buildings and the retrofitting of existing facilities in order to conserve energy and natural resources. WRCOG will enter into agreements with SCE and SoCalGas on behalf of the City of Moreno Valley and other local governments in order to act on their behalf in implementing the activities of the Western Riverside Energy Leader Partnership.

## **ALTERNATIVES**

1. Adopt the proposed resolution declaring support for an energy partnership between Southern California Edison, Southern California Gas Company, and the Western Riverside Council of Governments. *Staff recommends this alternative as it will provide for continued participation in the Western Riverside Energy Leader Partnership which affords the City the opportunity to receive technical support and possible funding in order to reduce energy consumption, conserve natural resources and promote innovative methods of implementing municipal facility and community energy efficiency measures that align with the City's overall sustainability efforts.*
2. Do not adopt the proposed resolution declaring support for an energy partnership between Southern California Edison (SCE), Southern California Gas Company (SoCalGas), and the Western Riverside Council of Governments. *Staff does not recommend this alternative as it will result in a loss of continued participation in the Western Riverside Energy Leader Partnership which affords the City the opportunity to receive technical support and possible funding in order to reduce energy consumption, conserve natural resources and promote innovative methods of implementing municipal facility and community energy efficiency measures that align with the City's overall sustainability efforts.*

## **FISCAL IMPACT**

There is no immediate fiscal impact to the City with the adoption of the proposed resolution. The resolution is a declaration of support only and requires no other action by the City at this time. There is the potential for future energy cost savings depending on the effectiveness of this partnership.

## **NOTIFICATION**

Publication of the Agenda.

## **PREPARATION OF STAFF REPORT**

Prepared By:  
Angelica Davis  
Management Analyst

Department Head Approval:  
Terrie Stevens  
Administrative Services Director

Concurred By:  
Rix Skonberg

Purchasing and Facilities Division Manager

## **CITY COUNCIL GOALS**

**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

**Positive Environment.** Create a positive environment for the development of Moreno Valley's future.

**Community Image, Neighborhood Pride and Cleanliness.** Promote a sense of community pride and foster an excellent image about our City by developing and executing programs which will result in quality development, enhanced neighborhood preservation efforts, including home rehabilitation and neighborhood restoration.

## **CITY COUNCIL STRATEGIC PRIORITIES**

1. Economic Development
2. Public Safety
3. Library
4. Infrastructure
5. Beautification, Community Engagement, and Quality of Life
6. Youth Programs

Objective 4.4: Control Street Lighting costs.

Objective 4.5: Explore green/renewable innovations and technologies for new developments such as the World Logistics Center.

## **ATTACHMENTS**

1. Resolution No. 2017-13

## **APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	2/28/17 12:34 PM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 4:12 PM
City Manager Approval	<u>✓ Approved</u>	3/08/17 4:15 PM

## RESOLUTION NO. 2017-13

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, DECLARING SUPPORT FOR AN ENERGY PARTNERSHIP BETWEEN SOUTHERN CALIFORNIA EDISON COMPANY AND SOUTHERN CALIFORNIA GAS COMPANY TO BE KNOWN AS “ENERGY PARTNERSHIP”

WHEREAS, the Energy Partnership representing the participating County and City supports “energy efficiency” initiatives, policies, and construction standards in order to ensure that our communities follow and encourage sustainable practices; and

WHEREAS, local demand for electricity has grown, and it is expected that demand for electricity will continue to grow in the near future to support a growing population and economy; and

WHEREAS, residents and businesses spend significant amounts for energy, it makes economic sense and good public policy to encourage energy efficiency in the City of Moreno Valley and our community; and

WHEREAS, energy efficiency programs enhance our environment by improving air quality, reducing greenhouse gases and other pollution, and conserving natural resources; and

WHEREAS, it is vital for our community to keep spending locally and to encourage innovations in the way we behave, build, and incorporate energy into our everyday business and personal lives; and

WHEREAS, there is a growing movement within California communities and businesses to improve everyday practices and create more sustainable and “greener” cities; and

WHEREAS, the communities comprised of the Energy Partnership seek to promote innovative methods and state-of-the-art technologies used in the design and construction of new residential and commercial buildings within the region, in order to bring energy and natural resource consumption in line with our sustainability goals; and

WHEREAS, the City of Moreno Valley has been identified by the participating Energy Partnership jurisdictions to enter into an agreement with Southern California Gas Company (“SCG”) and Southern California Edison (“SCE”) on their behalf to represent them and implement the activities of the participating Energy Partnership jurisdictions; and



WHEREAS, the Energy Partnership brings together the City of Moreno Valley, SCE, SCG and the Energy Partnership member agencies in a cooperative program to promote energy efficiency, regional sustainability goals, and collaboration.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

Section 1: That the foregoing Recitals are true and correct and are incorporated herein by this reference.

Section 2: That the City of Moreno Valley supports a commitment to sustainable practices through energy efficiency, and will provide leadership and guidance in promoting, facilitating, and instituting such practices in the region.

Section 3: That the City of Moreno Valley supports and endorses the Energy Partnership (a SCE & SCG Local Government Partnership) as an effective method to help meet long-term regional economic and environmental goals.

Section 4: That the City of Moreno Valley will name one or more individuals to the Energy Partnership working group that will review progress regularly with the City of Moreno Valley, SCE, and SCG.

Section 5: That the City of Moreno Valley with the assistance of SCE & SCG, and the Partnership will identify and support implementing the suite of programs and projects within the City of Moreno Valley municipal facility and community energy efficiency and sustainability goals.

Section 6: This Resolution shall become effective immediately upon its adoption, and this authorization is effective until rescinded by the City Council of the City of Moreno Valley.

Section 7: That the City Clerk shall certify to the passage and adoption of this Resolution; shall enter the same in the book of original resolutions of the City of Moreno Valley and shall make a minute of passage and adoption thereof in the records of the proceedings of the City Council of City of Moreno Valley in the minutes of the meeting at which the same is passed and adopted.

2  
Resolution No. 2017-13  
Date Adopted: March 21, 2017

APPROVED AND ADOPTED this 21<sup>st</sup> day of March, 2017.

\_\_\_\_\_  
Mayor of the City of Moreno Valley

ATTEST:

\_\_\_\_\_  
City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney

Attachment: Resolution No. 2017-13 [Revision 3] (2504 : ADOPT RESOLUTION NO. 2017-13 DECLARING SUPPORT FOR AN ENERGY

3  
Resolution No. 2017-13  
Date Adopted: March 21, 2017

**RESOLUTION JURAT**

STATE OF CALIFORNIA            )  
COUNTY OF RIVERSIDE        ) ss.  
CITY OF MORENO VALLEY        )

I, Patricia Jacquez-Nares, City Clerk of the City of Moreno Valley, California, do hereby certify that Resolution No. 2017-13 was duly and regularly adopted by the City Council of the City of Moreno Valley at a regular meeting thereof held on the 21<sup>st</sup> day of March, 2017 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

(Council Members, Mayor Pro Tem and Mayor)

\_\_\_\_\_  
CITY CLERK

(SEAL)

4  
Resolution No. 2017-13  
Date Adopted: March 21, 2017



## Report to City Council

---

**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** March 21, 2017

**TITLE:** APPROVE CALTRANS MASTER AGREEMENT, ADMINISTERING AGENCY-STATE AGREEMENT FOR FEDERAL-AID PROJECTS, AGREEMENT NO. 08-5441F15 AND ADOPT THE PROPOSED RESOLUTION

---

### **RECOMMENDED ACTION**

#### **Recommendations:**

1. Approve Master Agreement, Administering Agency-State Agreement for Federal-Aid Projects, Agreement No. 08-5441F15.
2. Authorize the Public Works Director to execute the Master Agreement, Administering Agency-State Agreement for Federal-Aid Projects, Agreement No. 08-5441F15 upon City Council Approval.
3. Adopt Resolution No. 2017-14. A resolution of the City Council of the City of Moreno Valley, California, authorizing the Public Works Director to execute all future Master Agreements, Program Supplement Agreements, Fund Exchange Agreements, Fund Transfer Agreements and/or any amendments thereto with the California Department of Transportation (Caltrans) subject to the approval of the City Attorney.

### **SUMMARY**

Federal transportation funds are disseminated through and managed by Caltrans. A Caltrans Master Agreement is required when a local agency receives federal funding on any project. Master Agreements are periodically updated and executed before the next federally funded project begins. Therefore, Staff is requesting City Council approve and authorize the Public Works Director (PWD) to execute the new Master Agreement and approve the proposed resolution. This action will expedite the processing of future agreement-related documentation with Caltrans, as well as facilitate timely

reimbursements.

## **DISCUSSION**

On June 13, 1997, the City Council approved and entered into Administering Agency-State Agreement No. 08-5441 for Federal-Aid Projects (Master Agreement). On May 8, 2007, the City Council approved and entered into a revised Administering Agency-State Agreement No. 08-5441-R for Federal-Aid Projects. A Master Agreement is required when a local agency receives federal funding on any project. The Agreement is periodically updated to reflect changes in laws and policies.

Caltrans has requested the City execute a new Master Agreement with updated terms. The changes identified in the new Master Agreement include: 1) a City employee, not a consultant, must be the engineer on the project (this was the previous practice, but was not in the prior Agreement), 2) the Disadvantaged Business Enterprise (DBE) program name changed, 3) federal code references were updated, and 4) various minor updates were made.

For each federally-funded project, the City is required to execute a Program Supplement Agreement (PSA). The PSA to the Master Agreement formalizes the financial responsibilities for a specific project. The PSA lists the types and amounts of Federal, State, and local funds used to finance a project and is done for each phase of work. The PSA is required to be executed within 60 days of receipt, or the project's funds will be disencumbered. The PSA must be in place before invoices can be paid.

In the past, Program Supplement Agreements and their corresponding resolutions were presented to the City Council for approval on a project-by-project basis. The City streamlined this process in 2007 by adopting Resolution No. 2007-49 designating an individual (Public Works Director/City Engineer) to sign PSAs and other Caltrans documents as they occur. This option is recommended by Caltrans for agencies with several federally-funded and/or state-funded projects and will allow the City to meet the 60-day deadline for returning the executed agreement. By including the other required California Department of Transportation agreement related documentation to this signature authority, it will continue to reduce the amount of time required to start receiving reimbursement payments. The proposed resolution continues to delegate the signature authority.

Approval of the recommended actions would support Objective 4 of the *Momentum MoVal* Strategic Plan: "Manage and maximize Moreno Valley's public infrastructure to ensure an excellent quality of life, develop and implement innovative, cost effective infrastructure maintenance programs, public facilities management strategies, and capital improvement programming and project delivery.

## **ALTERNATIVES**

1. Approve and authorize the recommended actions as presented in this staff report. *This alternative will provide for the timely processing of agreements and*



*reimbursements for federal-aid improvement projects.*

2. Do not approve and authorize the recommended actions as presented in this staff report. *This alternative will delay federal-aid projects.*

### **FISCAL IMPACT**

The recommended action has no fiscal impact. Not approving the Master Agreement will jeopardize federal funding for needed improvements.

### **NOTIFICATION**

No notifications are necessary.

### **PREPARATION OF STAFF REPORT**

Prepared By:  
Margery A. Lazarus, P.E.  
Interim Capital Projects Division Manager/ Assistant City Engineer

Department Head Approval:  
Ahmad R. Ansari, P.E.  
Public Works Director/City Engineer

### **CITY COUNCIL GOALS**

**Public Safety.** Provide a safe and secure environment for people and property in the community, control the number and severity of fire and hazardous material incidents, and provide protection for citizens who live, work and visit the City of Moreno Valley.

**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

**Community Image, Neighborhood Pride and Cleanliness.** Promote a sense of community pride and foster an excellent image about our City by developing and executing programs which will result in quality development, enhanced neighborhood preservation efforts, including home rehabilitation and neighborhood restoration.

### **CITY COUNCIL STRATEGIC PRIORITIES**

1. Economic Development
2. Public Safety
3. Library
4. Infrastructure
5. Beautification, Community Engagement, and Quality of Life
6. Youth Programs

### **ATTACHMENTS**

1. Master Agreement

2. Resolution No. 2017-14

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	2/28/17 12:36 PM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 9:50 AM
City Manager Approval	<u>✓ Approved</u>	3/08/17 3:37 PM

MASTER AGREEMENT  
ADMINISTERING AGENCY-STATE AGREEMENT FOR  
FEDERAL-AID PROJECTS

08            City of Moreno Valley  
-----  
District    Administering Agency

Agreement No. 08-5441F15

This AGREEMENT, is entered into effective this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_, by and between City of Moreno Valley, hereinafter referred to as "ADMINISTERING AGENCY," and the State of California, acting by and through its Department of Transportation (Caltrans), hereinafter referred to as "STATE", and together referred to as "PARTIES" or individually as a "PARTY."

RECITALS:

1. WHEREAS, the Congress of the United States has enacted the Intermodal Surface Transportation Efficiency Act (ISTEA) of 1991 and subsequent Transportation Authorization Bills to fund transportation programs; and
2. WHEREAS, the Legislature of the State of California has enacted legislation by which certain federal-aid funds may be made available for use on local transportation related projects of public entities qualified to act as recipients of these federal-aid funds in accordance with the intent of federal law; and
3. WHEREAS, before federal funds will be made available for a specific program project, ADMINISTERING AGENCY and STATE are required to enter into an agreement to establish terms and conditions applicable to the ADMINISTERING AGENCY when receiving federal funds for a designated PROJECT facility and to the subsequent operation and maintenance of that completed facility.

NOW, THEREFORE, the PARTIES agree as follows:

## ARTICLE I - PROJECT ADMINISTRATION

1. This AGREEMENT shall have no force or effect with respect to any program project unless and until a project-specific "Authorization/Agreement Summary", herein referred to as "E-76" document, is approved by STATE and the Federal Highway Administration (FHWA).
2. The term "PROJECT", as used herein, means that authorized transportation related project and related activities financed in part with federal-aid funds as more fully-described in an "Authorization/ Agreement Summary" or "Amendment/Modification Summary", herein referred to as "E-76" or "E-76 (AMOD)" document authorized by STATE and the Federal Highway Administration (FHWA).
3. The E-76/E-76 (AMOD) shall designate the party responsible for implementing PROJECT, type of work and location of PROJECT.
4. The PROGRAM SUPPLEMENT sets out special covenants as a condition for the ADMINISTERING AGENCY to receive federal-aid funds from/through STATE for designated PROJECT. The PROGRAM SUPPLEMENT shall also show these federal funds that have been initially encumbered for PROJECT along with the matching funds to be provided by ADMINISTERING AGENCY and/or others. Execution of PROGRAM SUPPLEMENT by the PARTIES shall cause ADMINISTERING AGENCY to adopt all of the terms of this AGREEMENT as though fully set forth therein in the PROGRAM SUPPLEMENT. Unless otherwise expressly delegated in a resolution by the governing body of ADMINISTERING AGENCY, and with written concurrence by STATE, the PROGRAM SUPPLEMENT shall be approved and managed by the governing body of ADMINISTERING AGENCY.
5. ADMINISTERING AGENCY agrees to execute and return each project-specific PROGRAM SUPPLEMENT within ninety (90) days of receipt. The PARTIES agree that STATE may suspend future authorizations/obligations and invoice payments for any on-going or future federal-aid project performed by ADMINISTERING AGENCY if any project-specific PROGRAM SUPPLEMENT is not returned within that ninety (90) day period unless otherwise agreed by STATE in writing.
6. ADMINISTERING AGENCY further agrees, as a condition to the release and payment of federal funds encumbered for the PROJECT described in each PROGRAM SUPPLEMENT, to comply with the terms and conditions of this AGREEMENT and all of the agreed-upon Special Covenants or Remarks incorporated within the PROGRAM SUPPLEMENT, and Cooperative/Contribution Agreement where appropriate, defining and identifying the nature of the specific PROJECT.
7. Federal, state and matching funds will not participate in PROJECT work performed in advance of the approval of the E-76 or E-76 (AMOD), unless otherwise stated in the executed project-specific PROGRAM SUPPLEMENT. ADMINISTERING AGENCY agrees that it will only proceed with the work authorized for that specific phase(s) on the project-specific E-76 or E-76 (AMOD). ADMINISTERING AGENCY further agrees to not proceed with future phases of PROJECT prior to receiving an E-76 (AMOD) from STATE for that phase(s) unless no further federal funds are needed or for those future phase(s).

8. That PROJECT or portions thereof, must be included in a federally approved Federal Statewide Transportation Improvement Program (FSTIP) prior to ADMINISTERING AGENCY submitting the "Request for Authorization".

9. ADMINISTERING AGENCY shall conform to all state statutes, regulations and procedures (including those set forth in the Local Assistance Procedures Manual and the Local Assistance Program Guidelines, hereafter collectively referred to as "LOCAL ASSISTANCE PROCEDURES") relating to the federal-aid program, all Title 23 Code of Federal Regulation (CFR) and 2 CFR part 200 federal requirements, and all applicable federal laws, regulations, and policy and procedural or instructional memoranda, unless otherwise specifically waived as designated in the executed project-specific PROGRAM SUPPLEMENT.

10. If PROJECT is not on STATE-owned right of way, PROJECT shall be constructed in accordance with LOCAL ASSISTANCE PROCEDURES that describes minimum statewide design standards for local agency streets and roads. LOCAL ASSISTANCE PROCEDURES for projects off the National Highway System (NHS) allow STATE to accept either the STATE's minimum statewide design standards or the approved geometric design standards of ADMINISTERING AGENCY. Additionally, for projects off the NHS, STATE will accept ADMINISTERING AGENCY-approved standard specifications, standard plans, materials sampling and testing quality assurance programs that meet the conditions described in the then current LOCAL ASSISTANCE PROCEDURES.

11. If PROJECT involves work within or partially within STATE-owned right-of-way, that PROJECT shall also be subject to compliance with the policies, procedures and standards of the STATE Project Development Procedures Manual and Highway Design Manual and, where appropriate, an executed Cooperative Agreement between STATE and ADMINISTERING AGENCY that outlines the PROJECT responsibilities and respective obligations of the PARTIES. ADMINISTERING AGENCY and its contractors shall each obtain an encroachment permit through STATE prior to commencing any work within STATE rights of way or work which affects STATE facilities.

12. When PROJECT is not on the State Highway System but includes work to be performed by a railroad, the contract for such work shall be prepared by ADMINISTERING AGENCY or by STATE, as the PARTIES may hereafter agree. In either event, ADMINISTERING AGENCY shall enter into an agreement with the railroad providing for future maintenance of protective devices or other facilities installed under the contract.

13. If PROJECT is using STATE funds, the Department of General Services, Division of the State Architect, or its designee, shall review the contract PS&E for the construction of buildings, structures, sidewalks, curbs and related facilities for accessibility and usability. ADMINISTERING AGENCY shall not award a PROJECT construction contract for these types of improvements until the State Architect has issued written approval stating that the PROJECT plans and specifications comply with the provisions of sections 4450 and 4454 of the California Government Code, if applicable. Further requirements and guidance are provided in Title 24 of the California Code of Regulations.

14. ADMINISTERING AGENCY will advertise, award and administer PROJECT in accordance with the current LOCAL ASSISTANCE PROCEDURES unless otherwise stated in the executed project-specific PROGRAM SUPPLEMENT.



15. ADMINISTERING AGENCY shall provide or arrange for adequate supervision and inspection of each PROJECT. While consultants may perform supervision and inspection work for PROJECT with a fully qualified and licensed engineer, ADMINISTERING AGENCY shall provide a full-time employee to be in responsible charge of each PROJECT who is not a consultant.

16. ADMINISTERING AGENCY shall submit PROJECT-specific contract award documents to STATE's District Local Assistance Engineer within sixty (60) days after contract award. A copy of the award documents shall also be included with the submittal of the first invoice for a construction contract by ADMINISTERING AGENCY.

17. ADMINISTERING AGENCY shall submit the final report documents that collectively constitute a "Report of Expenditures" within one hundred eighty (180) days of PROJECT completion. Failure by ADMINISTERING AGENCY to submit a "Report of Expenditures" within one hundred eighty (180) days of project completion will result in STATE imposing sanctions upon ADMINISTERING AGENCY in accordance with the current LOCAL ASSISTANCE PROCEDURES.

18. ADMINISTERING AGENCY shall comply with: (i) section 504 of the Rehabilitation Act of 1973 which prohibits discrimination on the basis of disability in federally assisted programs; (ii) the Americans with Disabilities Act (ADA) of 1990 which prohibits discrimination on the basis of disability irrespective of funding; and (iii) all applicable regulations and guidelines issued pursuant to both the Rehabilitation Act and the ADA.

19. The Congress of the United States, the Legislature of the State of California and the Governor of the State of California, each within their respective jurisdictions, have prescribed certain nondiscrimination requirements with respect to contract and other work financed with public funds. ADMINISTERING AGENCY agrees to comply with the requirements of the FAIR EMPLOYMENT PRACTICES ADDENDUM (Exhibit A attached hereto) and the NONDISCRIMINATION ASSURANCES (Exhibit B attached hereto). ADMINISTERING AGENCY further agrees that any agreement entered into by ADMINISTERING AGENCY with a third party for performance of PROJECT-related work shall incorporate Exhibits A and B (with third party's name replacing ADMINISTERING AGENCY) as essential parts of such agreement to be enforced by that third party as verified by ADMINISTERING AGENCY.

## ARTICLE II - RIGHTS OF WAY

1. No contract for the construction of a federal-aid PROJECT shall be awarded until all necessary rights of way have been secured. Prior to the advertising for construction of PROJECT, ADMINISTERING AGENCY shall certify and, upon request, shall furnish STATE with evidence that all necessary rights of way are available for construction purposes or will be available by the time of award of the construction contract.
2. ADMINISTERING AGENCY agrees to indemnify and hold STATE harmless from any liability that may result in the event the right of way for a PROJECT, including, but not limited to, being clear as certified or if said right of way is found to contain hazardous materials requiring treatment or removal to remediate in accordance with Federal and State laws. The furnishing of right of way as provided for herein includes, in addition to all real property required for the PROJECT, title free and clear of obstructions and encumbrances affecting PROJECT and the payment, as required by applicable law, of relocation costs and damages to remainder real property not actually taken but injuriously affected by PROJECT. ADMINISTERING AGENCY shall pay, from its own non-matching funds, any costs which arise out of delays to the construction of PROJECT because utility facilities have not been timely removed or relocated, or because rights of way were not available to ADMINISTERING AGENCY for the orderly prosecution of PROJECT work.
3. Subject to STATE approval and such supervision as is required by LOCAL ASSISTANCE PROCEDURES over ADMINISTERING AGENCY's right of way acquisition procedures, ADMINISTERING AGENCY may claim reimbursement from federal funds for expenditures incurred in purchasing only the necessary rights of way needed for the PROJECT after crediting PROJECT with the fair market value of any excess property retained and not disposed of by ADMINISTERING AGENCY.
4. When real property rights are to be acquired by ADMINISTERING AGENCY for a PROJECT, said ADMINISTERING AGENCY must carry out that acquisition in compliance with all applicable State and Federal laws and regulations, in accordance with State procedures as published in State's current LOCAL ASSISTANCE PROCEDURES and STATE's Right-of-Way Manual, subject to STATE oversight to ensure that the completed work is acceptable under the Federal Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970, as amended.
5. Whether or not federal-aid is to be requested for right of way, should ADMINISTERING AGENCY, in acquiring right of way for PROJECT, displace an individual, family, business, farm operation, or non-profit organization, relocation payments and services will be provided as set forth in 49 CFR, Part 24. The public will be adequately informed of the relocation payments and services which will be available, and, to the greatest extent practicable, no person lawfully occupying real property shall be required to move from his/her dwelling or to move his/her business or farm operation without at least ninety (90) days written notice from ADMINISTERING AGENCY. ADMINISTERING AGENCY will provide STATE with specific assurances, on each portion of the PROJECT, that no person will be displaced until comparable decent, safe and sanitary replacement housing is available within a reasonable period of time prior to displacement, and that ADMINISTERING AGENCY's relocation program is realistic and adequate to provide orderly, timely and efficient relocation of PROJECT-displaced persons as provided in 49 CFR, Part 24.

6. ADMINISTERING AGENCY shall, along with recording the deed or instrument evidencing title in the name of the ADMINISTERING AGENCY or their assignee, also record an Agreement Declaring Restrictive Covenants (ADRC) as a separate document incorporating the assurances included within Exhibits A and B and Appendices A, B, C and D of this AGREEMENT, as appropriate.

### ARTICLE III - MAINTENANCE AND MANAGEMENT

1. ADMINISTERING AGENCY will maintain and operate the property acquired, developed, constructed, rehabilitated, or restored by PROJECT for its intended public use until such time as the parties might amend this AGREEMENT to otherwise provide. With the approval of STATE, ADMINISTERING AGENCY or its successors in interest in the PROJECT property may transfer this obligation and responsibility to maintain and operate PROJECT property for that intended public purpose to another public entity.
  
2. Upon ADMINISTERING AGENCY's acceptance of the completed federal-aid construction contract or upon contractor being relieved of the responsibility for maintaining and protecting PROJECT, ADMINISTERING AGENCY will be responsible for the maintenance, ownership, liability, and the expense thereof, for PROJECT in a manner satisfactory to the authorized representatives of STATE and FHWA and if PROJECT falls within the jurisdictional limits of another Agency or Agencies, it is the duty of ADMINISTERING AGENCY to facilitate a separate maintenance agreement(s) between itself and the other jurisdictional Agency or Agencies providing for the operation, maintenance, ownership and liability of PROJECT. Until those agreements are executed, ADMINISTERING AGENCY will be responsible for all PROJECT operations, maintenance, ownership and liability in a manner satisfactory to the authorized representatives of STATE and FHWA. If, within ninety (90) days after receipt of notice from STATE that a PROJECT, or any portion thereof, is not being properly operated and maintained and ADMINISTERING AGENCY has not satisfactorily remedied the conditions complained of, the approval of future federal-aid projects of ADMINISTERING AGENCY will be withheld until the PROJECT shall have been put in a condition of operation and maintenance satisfactory to STATE and FHWA. The provisions of this section shall not apply to a PROJECT that has been vacated through due process of law with STATE's concurrence.
  
3. PROJECT and its facilities shall be maintained by an adequate and well-trained staff of engineers and/or such other professionals and technicians as PROJECT reasonably requires. Said operations and maintenance staff may be employees of ADMINISTERING AGENCY, another unit of government, or a contractor under agreement with ADMINISTERING AGENCY. All maintenance will be performed at regular intervals or as required for efficient operation of the complete PROJECT improvements.

## ARTICLE IV - FISCAL PROVISIONS

1. All contractual obligations of STATE are subject to the appropriation of resources by the Legislature and the allocation of resources by the California Transportation Commission (CTC).
2. STATE'S financial commitment of federal funds will occur only upon the execution of this AGREEMENT, the authorization of the project-specific E-76 or E-76 (AMOD), the execution of each project-specific PROGRAM SUPPLEMENT, and STATE's approved finance letter.
3. ADMINISTERING AGENCY may submit signed invoices in arrears for reimbursement of participating PROJECT costs on a regular basis once the project-specific PROGRAM SUPPLEMENT has been executed by STATE.
4. ADMINISTERING AGENCY agrees, as a minimum, to submit invoices at least once every six (6) months commencing after the funds are encumbered on either the project-specific PROGRAM SUPPLEMENT or through a project-specific finance letter approved by STATE. STATE reserves the right to suspend future authorizations/obligations, and invoice payments for any on-going or future federal-aid project by ADMINISTERING AGENCY if PROJECT costs have not been invoiced by ADMINISTERING AGENCY for a six (6) month period.
5. Invoices shall be submitted on ADMINISTERING AGENCY letterhead that includes the address of ADMINISTERING AGENCY and shall be formatted in accordance with LOCAL ASSISTANCE PROCEDURES.
6. ADMINISTERING AGENCY must have at least one copy of supporting backup documentation for costs incurred and claimed for reimbursement by ADMINISTERING AGENCY. ADMINISTERING AGENCY agrees to submit supporting backup documentation with invoices if requested by State. Acceptable backup documentation includes, but is not limited to, agency's progress payment to the contractors, copies of cancelled checks showing amounts made payable to vendors and contractors, and/or a computerized summary of PROJECT costs.
7. Payments to ADMINISTERING AGENCY can only be released by STATE as reimbursement of actual allowable PROJECT costs already incurred and paid for by ADMINISTERING AGENCY.
8. Indirect Cost Allocation Plans/Indirect Cost Rate Proposals (ICAP/ICRP), Central Service Cost Allocation Plans and related documentation are to be prepared and provided to STATE (Caltrans Audits & Investigations) for review and approval prior to ADMINISTERING AGENCY seeking reimbursement of indirect costs incurred within each fiscal year being claimed for State and federal reimbursement. ICAPs/ICRPs must be prepared in accordance with the requirements set forth in 2 CFR, Part 200, Chapter 5 of the Local Assistance Procedural Manual, and the ICAP/ICRP approval procedures established by STATE.
9. Once PROJECT has been awarded, STATE reserves the right to de-obligate any excess federal funds from the construction phase of PROJECT if the contract award amount is less than the obligated amount, as shown on the PROJECT E-76 or E-76 (AMOD).
10. STATE will withhold the greater of either two (2) percent of the total of all federal funds encumbered for each PROGRAM SUPPLEMENT or \$40,000 until ADMINISTERING AGENCY submits the Final Report of Expenditures for each completed PROGRAM SUPPLEMENT PROJECT.



11. The estimated total cost of PROJECT, the amount of federal funds obligated, and the required matching funds may be adjusted by mutual consent of the PARTIES hereto with a finance letter, a detailed estimate, if required, and approved E-76 (AMOD). Federal-aid funding may be increased to cover PROJECT cost increases only if such funds are available and FHWA concurs with that increase.

12. When additional federal-aid funds are not available, ADMINISTERING AGENCY agrees that the payment of federal funds will be limited to the amounts authorized on the PROJECT specific E-76 / E-76 (AMOD) and agrees that any increases in PROJECT costs must be defrayed with ADMINISTERING AGENCY's own funds.

13. ADMINISTERING AGENCY shall use its own non-federal funds to finance the local share of eligible costs and all expenditures or contract items ruled ineligible for financing with federal funds. STATE shall make the determination of ADMINISTERING AGENCY's cost eligibility for federal fund financing of PROJECT costs.

14. ADMINISTERING AGENCY will reimburse STATE for STATE's share of costs for work performed by STATE at the request of ADMINISTERING AGENCY. STATE's costs shall include overhead assessments in accordance with section 8755.1 of the State Administrative Manual.

15. Federal and state funds allocated from the State Transportation Improvement Program (STIP) are subject to the timely use of funds provisions enacted by Senate Bill 45, approved in 1997, and subsequent STIP Guidelines and State procedures approved by the CTC and STATE.

16. Federal funds encumbered for PROJECT are available for liquidation for a period of six (6) years from the beginning of the State fiscal year the funds were appropriated in the State Budget. State funds encumbered for PROJECT are available for liquidation only for six (6) years from the beginning of the State fiscal year the funds were appropriated in the State Budget. Federal or state funds not liquidated within these periods will be reverted unless a Cooperative Work Agreement (CWA) is submitted by ADMINISTERING AGENCY and approved by the California Department of Finance (per Government Code section 16304). The exact date of fund reversion will be reflected in the STATE signed finance letter for PROJECT.

17. Payments to ADMINISTERING AGENCY for PROJECT-related travel and subsistence (per diem) expenses of ADMINISTERING AGENCY forces and its contractors and subcontractors claimed for reimbursement or as local match credit shall not exceed rates authorized to be paid rank and file STATE employees under current State Department of Personnel Administration (DPA) rules. If the rates invoiced by ADMINISTERING AGENCY are in excess of DPA rates, ADMINISTERING AGENCY is responsible for the cost difference, and any overpayments inadvertently paid by STATE shall be reimbursed to STATE by ADMINISTERING AGENCY on demand within thirty (30) days of such invoice.

18. ADMINISTERING AGENCY agrees to comply with 2 CFR, Part 200, Uniform Administrative Requirements, Cost Principles and Audit Requirement for Federal Awards.

19. ADMINISTERING AGENCY agrees, and will assure that its contractors and subcontractors will be obligated to agree, that Contract Cost Principles and Procedures, 48 CFR, Federal Acquisition Regulations System, Chapter 1, Part 31, et seq., shall be used to determine the allowability of individual PROJECT cost items.

20. Every sub-recipient receiving PROJECT funds under this AGREEMENT shall comply with 2 CFR, Part 200, 23 CFR, 48 CFR Chapter 1, Part 31, Local Assistance Procedures, Public Contract Code (PCC) 10300-10334 (procurement of goods), PCC 10335-10381 (non-A&E services), and other applicable STATE and FEDERAL regulations.

21. Any PROJECT costs for which ADMINISTERING AGENCY has received payment or credit that are determined by subsequent audit to be unallowable under 2 CFR, Part 200, 23 CFR, 48 CFR, Chapter 1, Part 31, and other applicable STATE and FEDERAL regulations, are subject to repayment by ADMINISTERING AGENCY to STATE.

22. Should ADMINISTERING AGENCY fail to refund any moneys due upon written demand by STATE as provided hereunder or should ADMINISTERING AGENCY breach this AGREEMENT by failing to complete PROJECT without adequate justification and approval by STATE, then, within thirty 30 days of demand, or within such other period as may be agreed to in writing between the PARTIES, STATE, acting through the State Controller, the State Treasurer, or any other public entity or agency, may withhold or demand a transfer of an amount equal to the amount paid by or owed to STATE from future apportionments, or any other funds due ADMINISTERING AGENCY from the Highway Users Tax Fund or any other sources of funds, and/or may withhold approval of future ADMINISTERING AGENCY federal-aid projects.

23. Should ADMINISTERING AGENCY be declared to be in breach of this AGREEMENT or otherwise in default thereof by STATE, and if ADMINISTERING AGENCY is constituted as a joint powers authority, special district, or any other public entity not directly receiving funds through the State Controller, STATE is authorized to obtain reimbursement from whatever sources of funding are available, including the withholding or transfer of funds, pursuant to Article IV - 22, from those constituent entities comprising a joint powers authority or by bringing of an action against ADMINISTERING AGENCY or its constituent member entities, to recover all funds provided by STATE hereunder.

24. ADMINISTERING AGENCY acknowledges that the signatory party represents the ADMINISTERING AGENCY and further warrants that there is nothing within a Joint Powers Agreement, by which ADMINISTERING AGENCY was created, if any exists, that would restrict or otherwise limit STATE's ability to recover State funds improperly spent by ADMINISTERING AGENCY in contravention of the terms of this AGREEMENT.

ARTICLE V  
AUDITS, THIRD PARTY CONTRACTING, RECORDS RETENTION AND REPORTS

1. STATE reserves the right to conduct technical and financial audits of PROJECT work and records and ADMINISTERING AGENCY agrees, and shall require its contractors and subcontractors to agree, to cooperate with STATE by making all appropriate and relevant PROJECT records available for audit and copying as required by paragraph three (3) of ARTICLE V.
2. ADMINISTERING AGENCY, its contractors and subcontractors shall establish and maintain a financial management system and records that properly accumulate and segregate reasonable, allowable, and allocable incurred PROJECT costs and matching funds by line item for the PROJECT. The financial management system of ADMINISTERING AGENCY, its contractors and all subcontractors shall conform to Generally Accepted Accounting Principles, enable the determination of incurred costs at interim points of completion, and provide support for reimbursement payment vouchers or invoices sent to or paid by STATE.
3. ADMINISTERING AGENCY, ADMINISTERING AGENCY's contractors and subcontractors, and STATE shall each maintain and make available for inspection and audit by STATE, the California State Auditor, or any duly authorized representative of STATE or the United States all books, documents, papers, accounting records, and other evidence pertaining to the performance of such contracts, including, but not limited to, the costs of administering those various contracts and ADMINISTERING AGENCY shall furnish copies thereof if requested. All of the above referenced parties shall make such AGREEMENT, PROGRAM SUPPLEMENT and contract materials available at their respective offices at all reasonable times during the entire PROJECT period and for three (3) years from the date of submission of the final expenditure report by the STATE to the FHWA.
4. ADMINISTERING AGENCY is required to have an audit in accordance with the Single Audit Act of 2 CFR 200 if it expends \$750,000 or more in Federal Funds in a single fiscal year. The Federal Funds received under a PROGRAM SUPPLEMENT are a part of the Catalogue of Federal Domestic Assistance (CFDA) 20.205.
5. ADMINISTERING AGENCY agrees to include all PROGRAM SUPPLEMENTS adopting the terms of this AGREEMENT in the schedule of projects to be examined in ADMINISTERING AGENCY's annual audit and in the schedule of projects to be examined under its single audit prepared in accordance with 2 CFR, Part 200.
6. ADMINISTERING AGENCY shall not award a non-A&E contract over \$5,000, construction contract over \$10,000, or other contracts over \$25,000 (excluding professional service contracts of the type which are required to be procured in accordance with Government Code sections 4525 (d), (e) and (f)) on the basis of a noncompetitive negotiation for work to be performed under this AGREEMENT without the prior written approval of STATE. Contracts awarded by ADMINISTERING AGENCY, if intended as local match credit, must meet the requirements set forth in this AGREEMENT regarding local match funds.

7. Any subcontract entered into by ADMINISTERING AGENCY as a result of this AGREEMENT shall contain provisions 5, 6, 17, 19 and 20 of ARTICLE IV, FISCAL PROVISIONS, and provisions 1, 2, and 3 of this ARTICLE V, AUDITS, THIRD-PARTY CONTRACTING RECORDS RETENTION AND REPORTS.

8. To be eligible for local match credit, ADMINISTERING AGENCY must ensure that local match funds used for a PROJECT meet the fiscal provisions requirements outlined in ARTICLE IV in the same manner as required of all other PROJECT expenditures.

9. In addition to the above, the pre-award requirements of third-party contractor/consultants with ADMINISTERING AGENCY should be consistent with the LOCAL ASSISTANCE PROCEDURES.

## ARTICLE VI - FEDERAL LOBBYING ACTIVITIES CERTIFICATION

1. By execution of this AGREEMENT, ADMINISTERING AGENCY certifies, to the best of the signatory officer's knowledge and belief, that:

A. No federal or state appropriated funds have been paid or will be paid, by or on behalf of ADMINISTERING AGENCY, to any person for influencing or attempting to influence an officer or employee of any STATE or federal agency, a member of the State Legislature or United States Congress, an officer or employee of the Legislature or Congress, or any employee of a Member of the Legislature or Congress in connection with the awarding of any STATE or federal contract, including this AGREEMENT, the making of any STATE or federal loan, the entering into of any cooperative contract, and the extension, continuation, renewal, amendment, or modification of any STATE or federal contract, grant, loan, or cooperative contract.

B. If any funds other than federal appropriated funds have been paid, or will be paid, to any person for influencing or attempting to influence an officer or employee of any federal agency, a member of Congress, an officer or employee of Congress or an employee of a member of Congress in connection with this AGREEMENT, grant, local, or cooperative contract, ADMINISTERING AGENCY shall complete and submit Standard Form-LLL, "Disclosure Form to Rep Lobbying," in accordance with the form instructions.

C. This certification is a material representation of fact upon which reliance was placed when this AGREEMENT and each PROGRAM SUPPLEMENT was or will be made or entered into. Submission of this certification is a prerequisite for making or entering into this AGREEMENT imposed by Section 1352, Title 31, United States Code. Any party who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

2. ADMINISTERING AGENCY also agrees by signing this AGREEMENT that the language of this certification will be included in all lower tier sub-agreements which exceed \$100,000 and that all such sub-recipients shall certify and disclose accordingly.



## ARTICLE VII - MISCELLANEOUS PROVISIONS

1. ADMINISTERING AGENCY agrees to use all state funds reimbursed hereunder only for transportation purposes that are in conformance with Article XIX of the California State Constitution and the relevant Federal Regulations.
2. This AGREEMENT is subject to any additional restrictions, limitations, conditions, or any statute enacted by the State Legislature or adopted by the CTC that may affect the provisions, terms, or funding of this AGREEMENT in any manner.
3. ADMINISTERING AGENCY and the officers and employees of ADMINISTERING AGENCY, when engaged in the performance of this AGREEMENT, shall act in an independent capacity and not as officers, employees or agents of STATE or the federal government.
4. Each project-specific E-76 or E-76 (AMOD), PROGRAM SUPPLEMENT and Finance Letter shall separately establish the terms and funding limits for each described PROJECT funded under the AGREEMENT. No federal or state funds are obligated against this AGREEMENT.
5. ADMINISTERING AGENCY certifies that neither ADMINISTERING AGENCY nor its principals are suspended or debarred at the time of the execution of this AGREEMENT. ADMINISTERING AGENCY agrees that it will notify STATE immediately in the event a suspension or a debarment occurs after the execution of this AGREEMENT.
6. ADMINISTERING AGENCY warrants, by execution of this AGREEMENT, that no person or selling agency has been employed or retained to solicit or secure this AGREEMENT upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee, excepting bona fide employees or bona fide established commercial or selling agencies maintained by ADMINISTERING AGENCY for the purpose of securing business. For breach or violation of this warranty, STATE has the right to annul this AGREEMENT without liability, pay only for the value of the work actually performed, or in STATE's discretion, to deduct from the price of consideration, or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fee.
7. In accordance with Public Contract Code section 10296, ADMINISTERING AGENCY hereby certifies under penalty of perjury that no more than one final unappealable finding of contempt of court by a federal court has been issued against ADMINISTERING AGENCY within the immediate preceding two (2) year period because of ADMINISTERING AGENCY's failure to comply with an order of a federal court that orders ADMINISTERING AGENCY to comply with an order of the National Labor Relations Board.
8. ADMINISTERING AGENCY shall disclose any financial, business, or other relationship with STATE, FHWA or Federal Transit Administration (FTA) that may have an impact upon the outcome of this AGREEMENT. ADMINISTERING AGENCY shall also list current contractors who may have a financial interest in the outcome of this AGREEMENT.
9. ADMINISTERING AGENCY hereby certifies that it does not have nor shall it acquire any financial or business interest that would conflict with the performance of PROJECT under this AGREEMENT.

10. ADMINISTERING AGENCY warrants that this AGREEMENT was not obtained or secured through rebates, kickbacks or other unlawful consideration either promised or paid to any STATE employee. For breach or violation of this warranty, STATE shall have the right, in its discretion, to terminate this AGREEMENT without liability, to pay only for the work actually performed, or to deduct from the PROGRAM SUPPLEMENT price or otherwise recover the full amount of such rebate, kickback, or other unlawful consideration.

11. Any dispute concerning a question of fact arising under this AGREEMENT that is not disposed of by agreement shall be decided by the STATE's Contract Officer who may consider any written or verbal evidence submitted by ADMINISTERING AGENCY. The decision of the Contract Officer, issued in writing, shall be conclusive and binding on the PARTIES on all questions of fact considered and determined by the Contract Officer.

12. Neither the pending of a dispute nor its consideration by the Contract Officer will excuse ADMINISTERING AGENCY from full and timely performance in accordance with the terms of this AGREEMENT.

13. Neither ADMINISTERING AGENCY nor any officer or employee thereof is responsible for any injury, damage or liability occurring by reason of anything done or omitted to be done by STATE, under or in connection with any work, authority or jurisdiction arising under this AGREEMENT. It is understood and agreed that STATE shall fully defend, indemnify and save harmless the ADMINISTERING AGENCY and all of its officers and employees from all claims, suits or actions of every name, kind and description brought forth under, including, but not limited to, tortious, contractual, inverse condemnation and other theories or assertions of liability occurring by reason of anything done or omitted to be done by STATE under this AGREEMENT.

14. Neither STATE nor any officer or employee thereof shall be responsible for any injury, damage or liability occurring by reason of anything done or omitted to be done by ADMINISTERING AGENCY under, or in connection with, any work, authority or jurisdiction arising under this AGREEMENT. It is understood and agreed that ADMINISTERING AGENCY shall fully defend, indemnify and save harmless STATE and all of its officers and employees from all claims, suits or actions of every name, kind and description brought forth under, including, but not limited to, tortious, contractual, inverse condemnation or other theories or assertions of liability occurring by reason of anything done or omitted to be done by ADMINISTERING AGENCY under this AGREEMENT.

15. STATE reserves the right to terminate funding for any PROJECT upon written notice to ADMINISTERING AGENCY in the event that ADMINISTERING AGENCY fails to proceed with PROJECT work in accordance with the project-specific PROGRAM SUPPLEMENT, the bonding requirements if applicable, or otherwise violates the conditions of this AGREEMENT and/or PROGRAM SUPPLEMENT, or the funding allocation such that substantial performance is significantly endangered.

16. No termination shall become effective if, within thirty (30) days after receipt of a Notice of Termination, ADMINISTERING AGENCY either cures the default involved or, if not reasonably susceptible of cure within said thirty (30) day period, ADMINISTERING AGENCY proceeds thereafter to complete the cure in a manner and time line acceptable to STATE. Any such termination shall be accomplished by delivery to ADMINISTERING AGENCY of a Notice of Termination, which notice shall become effective not less than thirty (30) days after receipt, specifying the reason for the termination, the extent to which funding of work under this AGREEMENT is terminated and the date upon which such termination becomes effective, if beyond thirty (30) days after receipt. During the period before the effective termination date, ADMINISTERING AGENCY and STATE shall meet to attempt to resolve any dispute. In the event of such termination, STATE may proceed with the PROJECT work in a manner deemed proper by STATE. If STATE terminates funding for PROJECT with ADMINISTERING AGENCY, STATE shall pay ADMINISTERING AGENCY the sum due ADMINISTERING AGENCY under the PROGRAM SUPPLEMENT and/or STATE approved finance letter prior to termination, provided, however, ADMINISTERING AGENCY is not in default of the terms and conditions of this AGREEMENT or the project-specific PROGRAM SUPPLEMENT and that the cost of PROJECT completion to STATE shall first be deducted from any sum due ADMINISTERING AGENCY.

17. In case of inconsistency or conflicts with the terms of this AGREEMENT and that of a project-specific PROGRAM SUPPLEMENT, the terms stated in that PROGRAM SUPPLEMENT shall prevail over those in this AGREEMENT.

18. Without the written consent of STATE, this AGREEMENT is not assignable by ADMINISTERING AGENCY either in whole or in part.

19. No alteration or variation of the terms of this AGREEMENT shall be valid unless made in writing and signed by the PARTIES, and no oral understanding or agreement not incorporated herein shall be binding on any of the PARTIES.

IN WITNESS WHEREOF, the PARTIES have executed this AGREEMENT by their duly authorized officers.

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

City of Moreno Valley

By \_\_\_\_\_

By \_\_\_\_\_

Chief, Office of Project Implementation  
Division of Local Assistance

\_\_\_\_\_  
City of Moreno Valley  
Representative Name & Title  
(Authorized Governing Body Representative)

Date \_\_\_\_\_

Date \_\_\_\_\_

## EXHIBIT A

### FAIR EMPLOYMENT PRACTICES ADDENDUM

1. In the performance of this Agreement, ADMINISTERING AGENCY will not discriminate against any employee for employment because of race, color, sex, sexual orientation, religion, ancestry or national origin, physical disability, medical condition, marital status, political affiliation, family and medical care leave, pregnancy leave, or disability leave. ADMINISTERING AGENCY will take affirmative action to ensure that employees are treated during employment without regard to their race, sex, sexual orientation, color, religion, ancestry, or national origin, physical disability, medical condition, marital status, political affiliation, family and medical care leave, pregnancy leave, or disability leave. Such action shall include, but not be limited to, the following: employment; upgrading; demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. ADMINISTERING AGENCY shall post in conspicuous places, available to employees for employment, notices to be provided by STATE setting forth the provisions of this Fair Employment section.

2. ADMINISTERING AGENCY, its contractor(s) and all subcontractors shall comply with the provisions of the Fair Employment and Housing Act (Government Code Section 1290-0 et seq.), and the applicable regulations promulgated thereunder (California Code of Regulations, Title 2, Section 7285.0 et seq.). The applicable regulations of the Fair Employment and Housing Commission implementing Government Code, Section 12900(a-f), set forth in Chapter 5 of Division 4 of Title 2 of the California Code of Regulations are incorporated into this AGREEMENT by reference and made a part hereof as if set forth in full. Each of the ADMINISTERING AGENCY'S contractors and all subcontractors shall give written notice of their obligations under this clause to labor organizations with which they have a collective bargaining or other agreements, as appropriate.

3. ADMINISTERING AGENCY shall include the nondiscrimination and compliance provisions of this clause in all contracts and subcontracts to perform work under this AGREEMENT.

4. ADMINISTERING AGENCY will permit access to the records of employment, employment advertisements, application forms, and other pertinent data and records by STATE, the State Fair Employment and Housing Commission, or any other agency of the State of California designated by STATE, for the purposes of investigation to ascertain compliance with the Fair Employment section of this Agreement.

5. Remedies for Willful Violation:

(a) STATE may determine a willful violation of the Fair Employment provision to have occurred upon receipt of a final judgment to that effect from a court in an action to which ADMINISTERING AGENCY was a party, or upon receipt of a written notice from the Fair Employment and Housing Commission that it has investigated and determined that ADMINISTERING AGENCY has violated the Fair Employment Practices Act and had issued an order under Labor Code Section 1426 which has become final or has obtained an injunction under Labor Code Section 1429.

(b) For willful violation of this Fair Employment Provision, STATE shall have the right to terminate this Agreement either in whole or in part, and any loss or damage sustained by STATE in securing the goods or services thereunder shall be borne and paid for by ADMINISTERING AGENCY and by the surety under the performance bond, if any, and STATE may deduct from any moneys due or thereafter may become due to ADMINISTERING AGENCY, the difference between the price named in the Agreement and the actual cost thereof to STATE to cure ADMINISTERING AGENCY's breach of this Agreement.



## EXHIBIT B

### NONDISCRIMINATION ASSURANCES

ADMINISTERING AGENCY HEREBY AGREES THAT, as a condition to receiving any federal financial assistance from the STATE, acting for the U.S. Department of Transportation, it will comply with Title VI of the Civil Rights Act of 1964, 78 Stat. 252, 42 U.S.C. 2000d-42 U.S.C. 2000d-4 (hereinafter referred to as the ACT), and all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, "Nondiscrimination in Federally-Assisted Programs of the Department of Transportation - Effectuation of Title VI of the Civil Rights Act of 1964" (hereinafter referred to as the REGULATIONS), the Federal-aid Highway Act of 1973, and other pertinent directives, to the end that in accordance with the ACT, REGULATIONS, and other pertinent directives, no person in the United States shall, on the grounds of race, color, sex, national origin, religion, age or disability, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination under any program or activity for which ADMINISTERING AGENCY receives federal financial assistance from the Federal Department of Transportation. ADMINISTERING AGENCY HEREBY GIVES ASSURANCE THAT ADMINISTERING AGENCY will promptly take any measures necessary to effectuate this agreement. This assurance is required by subsection 21.7(a) (1) of the REGULATIONS.

More specifically, and without limiting the above general assurance, ADMINISTERING AGENCY hereby gives the following specific assurances with respect to its federal-aid Program:

1. That ADMINISTERING AGENCY agrees that each "program" and each "facility" as defined in subsections 21.23 (e) and 21.23 (b) of the REGULATIONS, will be (with regard to a "program") conducted, or will be (with regard to a "facility") operated in compliance with all requirements imposed by, or pursuant to, the REGULATIONS.
2. That ADMINISTERING AGENCY shall insert the following notification in all solicitations for bids for work or material subject to the REGULATIONS made in connection with the federal-aid Program and, in adapted form, in all proposals for negotiated agreements:

ADMINISTERING AGENCY hereby notifies all bidders that it will affirmatively insure that in any agreement entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of race, color, sex, national origin, religion, age, or disability in consideration for an award.

3. That ADMINISTERING AGENCY shall insert the clauses of Appendix A of this assurance in every agreement subject to the ACT and the REGULATIONS.
4. That the clauses of Appendix B of this Assurance shall be included as a covenant running with the land, in any deed effecting a transfer of real property, structures, or improvements thereon, or interest therein.

5. That where ADMINISTERING AGENCY receives federal financial assistance to construct a facility, or part of a facility, the Assurance shall extend to the entire facility and facilities operated in connection therewith.

6. That where ADMINISTERING AGENCY receives federal financial assistance in the form, or for the acquisition, of real property or an interest in real property, the Assurance shall extend to rights to space on, over, or under such property.

7. That ADMINISTERING AGENCY shall include the appropriate clauses set forth in Appendix C and D of this Assurance, as a covenant running with the land, in any future deeds, leases, permits, licenses, and similar agreements entered into by the ADMINISTERING AGENCY with other parties:

Appendix C;

(a) for the subsequent transfer of real property acquired or improved under the federal-aid Program; and

Appendix D;

(b) for the construction or use of or access to space on, over, or under real property acquired, or improved under the federal-aid Program.

8. That this assurance obligates ADMINISTERING AGENCY for the period during which federal financial assistance is extended to the program, except where the federal financial assistance is to provide, or is in the form of, personal property or real property or interest therein, or structures, or improvements thereon, in which case the assurance obligates ADMINISTERING AGENCY or any transferee for the longer of the following periods:

(a) the period during which the property is used for a purpose for which the federal financial assistance is extended, or for another purpose involving the provision of similar services or benefits; or

(b) the period during which ADMINISTERING AGENCY retains ownership or possession of the property.

9. That ADMINISTERING AGENCY shall provide for such methods of administration for the program as are found by the U.S. Secretary of Transportation, or the official to whom he delegates specific authority, to give reasonable guarantee that ADMINISTERING AGENCY, other recipients, sub-grantees, applicants, sub-applicants, transferees, successors in interest, and other participants of federal financial assistance under such program will comply with all requirements imposed by, or pursuant to, the ACT, the REGULATIONS, this Assurance and the Agreement.

10. That ADMINISTERING AGENCY agrees that the United States and the State of California have a right to seek judicial enforcement with regard to any matter arising under the ACT, the REGULATIONS, and this Assurance.

11. ADMINISTERING AGENCY shall not discriminate on the basis of race, religion, age, disability, color, national origin or sex in the award and performance of any STATE assisted contract or in the administration on its DBE Program or the requirements of 49 CFR Part 26. ADMINISTERING AGENCY shall take all necessary and reasonable steps under 49 CFR Part 26 to ensure non-discrimination in the award and administration of STATE assisted contracts. ADMINISTERING AGENCY'S DBE Implementation Agreement is incorporated by reference in this AGREEMENT. Implementation of this program is a legal obligation and failure to carry out its terms shall be treated as a violation of this agreement. Upon notification to the recipient of its failure to carry out its approved DBE Implementation Agreement, STATE may impose sanctions as provided for under 49 CFR Part 26 and may, in appropriate cases, refer the matter for enforcement under 18 USC 1001 and/or the Program Fraud Civil Remedies Act of 1985 (31USC 3801 et seq.)

THESE ASSURANCES are given in consideration of and for the purpose of obtaining any and all federal grants, loans, agreements, property, discounts or other federal financial assistance extended after the date hereof to ADMINISTERING AGENCY by STATE, acting for the U.S. Department of Transportation, and is binding on ADMINISTERING AGENCY, other recipients, subgrantees, applicants, sub-applicants, transferees, successors in interest and other participants in the federal-aid Highway Program.

## APPENDIX A TO EXHIBIT B

During the performance of this Agreement, ADMINISTERING AGENCY, for itself, its assignees and successors in interest (hereinafter collectively referred to as ADMINISTERING AGENCY) agrees as follows:

(1) Compliance with Regulations: ADMINISTERING AGENCY shall comply with the regulations relative to nondiscrimination in federally assisted programs of the Department of Transportation, Title 49, Code of Federal Regulations, Part 21, as they may be amended from time to time, (hereinafter referred to as the REGULATIONS), which are herein incorporated by reference and made a part of this agreement.

(2) Nondiscrimination: ADMINISTERING AGENCY, with regard to the work performed by it during the AGREEMENT, shall not discriminate on the grounds of race, color, sex, national origin, religion, age, or disability in the selection and retention of sub-applicants, including procurements of materials and leases of equipment. ADMINISTERING AGENCY shall not participate either directly or indirectly in the discrimination prohibited by Section 21.5 of the REGULATIONS, including employment practices when the agreement covers a program set forth in Appendix B of the REGULATIONS.

(3) Solicitations for Sub-agreements, Including Procurements of Materials and Equipment: In all solicitations either by competitive bidding or negotiation made by ADMINISTERING AGENCY for work to be performed under a Sub-agreement, including procurements of materials or leases of equipment, each potential sub-applicant or supplier shall be notified by ADMINISTERING AGENCY of the ADMINISTERING AGENCY's obligations under this Agreement and the REGULATIONS relative to nondiscrimination on the grounds of race, color, or national origin.

(4) Information and Reports: ADMINISTERING AGENCY shall provide all information and reports required by the REGULATIONS, or directives issued pursuant thereto, and shall permit access to ADMINISTERING AGENCY's books, records, accounts, other sources of information, and its facilities as may be determined by STATE or FHWA to be pertinent to ascertain compliance with such REGULATIONS or directives. Where any information required of ADMINISTERING AGENCY is in the exclusive possession of another who fails or refuses to furnish this information, ADMINISTERING AGENCY shall so certify to STATE or the FHWA as appropriate, and shall set forth what efforts ADMINISTERING AGENCY has made to obtain the information.

(5) Sanctions for Noncompliance: In the event of ADMINISTERING AGENCY's noncompliance with the nondiscrimination provisions of this agreement, STATE shall impose such agreement sanctions as it or the FHWA may determine to be appropriate, including, but not limited to:

(a) withholding of payments to ADMINISTERING AGENCY under the Agreement within a reasonable period of time, not to exceed 90 days; and/or

(b) cancellation, termination or suspension of the Agreement, in whole or in part.

(6) Incorporation of Provisions: ADMINISTERING AGENCY shall include the provisions of paragraphs (1) through (6) in every sub-agreement, including procurements of materials and leases of equipment, unless exempt by the REGULATIONS, or directives issued pursuant thereto. ADMINISTERING AGENCY shall take such action with respect to any sub-agreement or procurement as STATE or FHWA may direct as a means of enforcing such provisions including sanctions for noncompliance, provided, however, that, in the event ADMINISTERING AGENCY becomes involved in, or is threatened with, litigation with a sub-applicant or supplier as a result of such direction, ADMINISTERING AGENCY may request STATE enter into such litigation to protect the interests of STATE, and, in addition, ADMINISTERING AGENCY may request the United States to enter into such litigation to protect the interests of the United States.

APPENDIX B TO EXHIBIT B



The following clauses shall be included in any and all deeds effecting or recording the transfer of PROJECT real property, structures or improvements thereon, or interest therein from the United States.

(GRANTING CLAUSE)

NOW, THEREFORE, the U.S. Department of Transportation, as authorized by law, and upon the condition that ADMINISTERING AGENCY will accept title to the lands and maintain the project constructed thereon, in accordance with Title 23, United States Code, the Regulations for the Administration of federal-aid for Highways and the policies and procedures prescribed by the Federal Highway Administration of the Department of Transportation and, also in accordance with and in compliance with the Regulations pertaining to and effectuating the provisions of Title VI of the Civil Rights Act of 1964 (78 Stat. 252; 42 U.S.C. 2000d to 2000d-4), does hereby remise, release, quitclaim and convey unto the ADMINISTERING AGENCY all the right, title, and interest of the U.S. Department of Transportation in, and to, said lands described in Exhibit "A" attached hereto and made a part hereof.

(HABENDUM CLAUSE)

TO HAVE AND TO HOLD said lands and interests therein unto ADMINISTERING AGENCY and its successors forever, subject, however, to the covenant, conditions, restrictions and reservations herein contained as follows, which will remain in effect for the period during which the real property or structures are used for a purpose for which federal financial assistance is extended or for another purpose involving the provision of similar services or benefits and shall be binding on ADMINISTERING AGENCY, its successors and assigns.

ADMINISTERING AGENCY, in consideration of the conveyance of said lands and interests in lands, does hereby covenant and agree as a covenant running with the land for itself, its successors and assigns,

(1) that no person shall on the grounds of race, color, sex, national origin, religion, age or disability, be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination with regard to any facility located wholly or in part on, over, or under such lands hereby conveyed (;) (and) \*

(2) that ADMINISTERING AGENCY shall use the lands and interests in lands so conveyed, in compliance with all requirements imposed by or pursuant to Title 49, Code of Federal Regulations, Department of Transportation, Subtitle A, Office of the Secretary, Part 21, Non-discrimination in federally-assisted programs of the Department of Transportation - Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended (;) and

(3) that in the event of breach of any of the above-mentioned nondiscrimination conditions, the U.S. Department of Transportation shall have a right to re-enter said lands and facilities on said land, and the above-described land and facilities shall thereon revert to and vest in and become the absolute property of the U.S. Department of Transportation and its assigns as such interest existed prior to this deed.\*

\* Reverter clause and related language to be used only when it is determined that such a clause is necessary in order to effectuate the purposes of Title VI of the Civil Rights Act of 1964.

## APPENDIX C TO EXHIBIT B

The following clauses shall be included in any and all deeds, licenses, leases, permits, or similar instruments entered into by ADMINISTERING AGENCY, pursuant to the provisions of Assurance 7(a) of Exhibit B.

The grantee (licensee, lessee, permittee, etc., as appropriate) for himself, his heirs, personal representatives, successors in interest, and assigns, as a part of the consideration hereof, does hereby covenant and agree (in the case of deeds and leases add "as covenant running with the land") that in the event facilities are constructed, maintained, or otherwise operated on the said property described in this (deed, license, lease, permit, etc.) for a purpose for which a U.S. Department of Transportation program or activity is extended or for another purpose involving the provision of similar services or benefits, the (grantee, licensee, lessee, permittee, etc.), shall maintain and operate such facilities and services in compliance with all other requirements imposed pursuant to Title 49, Code of Federal Regulations, U.S. Department of Transportation, Subtitle A, Office of Secretary, Part 21, Nondiscrimination in federally-assisted programs of the Department of Transportation - Effectuation of Title VI of the Civil Rights Act of 1964, and as said Regulations may be amended.

(Include in licenses, leases, permits, etc.)\*

That in the event of breach of any of the above nondiscrimination covenants, ADMINISTERING AGENCY shall have the right to terminate the (license, lease, permit etc.) and to re-enter and repossess said land and the facilities thereon, and hold the same as if said (license, lease, permit, etc.) had never been made or issued.

(Include in deeds)\*

That in the event of breach of any of the above nondiscrimination covenants, ADMINISTERING AGENCY shall have the right to re-enter said land and facilities thereon, and the above-described lands and facilities shall thereupon revert to and vest in and become the absolute property of ADMINISTERING AGENCY and its assigns.

\* Reverter clause and related language to be used only when it is determined that such a clause is necessary in order to effectuate the purposes of Title VI of the Civil Rights Act of 1964.

APPENDIX D TO EXHIBIT B

The following shall be included in all deeds, licenses, leases, permits, or similar agreements entered into by the ADMINISTERING AGENCY, pursuant to the provisions of Assurance 7 (b) of Exhibit B.

The grantee (licensee, lessee, permittee, etc., as appropriate) for himself, his personal representatives, successors in interest and assigns, as a part of the consideration hereof, does hereby covenant and agree (in the case of deeds, and leases add "as a covenant running with the land") that:

- (1) no person on the ground of race, color, sex, national origin, religion, age or disability, shall be excluded from participation in, denied the benefits of, or otherwise subjected to discrimination in the use of said facilities;
- (2) that in the construction of any improvements on, over, or under such land and the furnishing of services thereon, no person on the ground of race, color, sex, national origin, religion, age or disability shall be excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination; and
- (3) that the (grantee, licensee, lessee, permittee, etc.,) shall use the premises in compliance with the Regulations.

(Include in licenses, leases, permits, etc.)\*

That in the event of breach of any of the above nondiscrimination covenants, ADMINISTERING AGENCY shall have the right to terminate the (license, lease, permit, etc.) and to re-enter and repossess said land and the facilities thereon, and hold the same as if said (license, lease, permit, etc.) had never been made or issued.

(Include in deeds)\*

That in the event of breach of any of the above nondiscrimination covenants, ADMINISTERING AGENCY shall have the right to re-enter said land and facilities thereon, and the above-described lands and facilities shall thereupon revert to and vest in and become the absolute property of ADMINISTERING AGENCY, and its assigns.

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\* Reverter clause and related language to be used only when it is determined that such a clause is necessary in order to effectuate the purposes of Title VI of the Civil Rights Act of 1964.

RESOLUTION NO. 2017-14

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, APPROVING AND AUTHORIZING EXECUTION OF THE MASTER AGREEMENT, ADMINISTERING AGENCY-STATE AGREEMENT FOR FEDERAL-AID PROJECTS, AGREEMENT NO. 08-5441F15 BETWEEN THE STATE OF CALIFORNIA, ACTING BY AND THROUGH THE DEPARTMENT OF TRANSPORTATION AND THE CITY OF MORENO VALLEY, ALSO, AUTHORIZING THE PUBLIC WORKS DIRECTOR TO EXECUTE ALL MASTER AGREEMENTS, PROGRAM SUPPLEMENT AGREEMENTS, FUND EXCHANGE AGREEMENTS AND/OR FUND TRANSFER AGREEMENTS AND ANY AMENDMENT THERETO WITH THE CALIFORNIA DEPARTMENT OF TRANSPORTATION, UPON APPROVAL OF THE CITY ATTORNEY

WHEREAS, the City of Moreno Valley is eligible to receive Federal funding for certain transportation projects, through the California Department of Transportation (Caltrans); and

WHEREAS, Master Agreements, Program Supplement Agreements, Fund Exchange Agreements and/or Fund Transfer Agreements and any amendments need to be executed with the California Department of Transportation before such funds could be claimed;

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

The Public Works Director has been authorized to execute the Master Agreement, Administering Agency-State Agreement for Federal-Aid Projects, Agreement No. 08-5441F15 with the California Department of Transportation.

The City of Moreno Valley hereby delegates authorization to the Public Works Director to execute all Master Agreements, Program Supplement Agreements, Fund Exchange Agreements and/or Fund Transfer Agreements, and any amendments thereto with the California Department of Transportation, upon approval of the City Attorney.

Attachment: Resolution No. 2017-14 [Revision 1] (2502 : APPROVE CALTRANS MASTER AGREEMENT, ADMINISTERING AGENCY-STATE

APPROVED AND ADOPTED this 21<sup>st</sup> day of March, 2017.

\_\_\_\_\_  
Mayor of the City of Moreno Valley

ATTEST:

\_\_\_\_\_  
City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney

2  
Resolution No. 2017-14  
Date Adopted: March 21, 2017

Attachment: Resolution No. 2017-14 [Revision 1] (2502 : APPROVE CALTRANS MASTER AGREEMENT, ADMINISTERING AGENCY-STATE



**RESOLUTION JURAT**

STATE OF CALIFORNIA            )  
COUNTY OF RIVERSIDE        ) ss.  
CITY OF MORENO VALLEY        )

I, Pat Jacquez-Nares, City Clerk of the City of Moreno Valley, California, do hereby certify that Resolution No. 2017-14 was duly and regularly adopted by the City Council of the City of Moreno Valley at a regular meeting thereof held on the 21<sup>st</sup> day of March, 2017 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

(Council Members, Mayor Pro Tem and Mayor)

\_\_\_\_\_  
CITY CLERK

(SEAL)

Resolution No. 2017-14 <sup>3</sup>  
Date Adopted: March 21, 2017

Attachment: Resolution No. 2017-14 [Revision 1] (2502 : APPROVE CALTRANS MASTER AGREEMENT, ADMINISTERING AGENCY-STATE



## **Report to City Council**

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**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** March 21, 2017

**TITLE:** ACCEPTANCE OF CYCLE 8 HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) GRANT AND FUNDING APPROPRIATION FOR THE SOUTH LASSELLE STREET SAFETY CORRIDOR PROJECT

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### **RECOMMENDED ACTION**

#### **Recommendations:**

1. Accept the California Department of Transportation (Caltrans) Highway Safety Improvement Program (HSIP) Cycle 8 grant award of up to \$522,300 in funds for the South Lasselle Street Safety Corridor project.
2. Authorize the Chief Financial Officer to appropriate \$522,300 as revenue and expense in the Capital Projects Reimbursements fund (Fund 2301).
3. Amend the Fiscal Year 16/17 Adopted Capital Improvement Plan to include the South Lasselle Street Safety Corridor project as a funded project.

### **SUMMARY**

This report requests that the City Council accept the \$522,300 HSIP grant award from Caltrans, appropriate funds for the project to implement safety improvements on Lasselle Street, and amend the Fiscal Year 16/17 Adopted Capital Improvement Program to include this project.

### **DISCUSSION**

The Highway Safety Improvement Program was established in 2005 by Federal law as a core Federal-aid program. The program's purpose is to reduce traffic fatalities and serious injuries on public roads.

On September 6, 2016, City Council ratified submission of applications for three projects under the HSIP Cycle 8 Call for Projects. The project cited in this staff report was one of the three authorized by Council. Staff was subsequently notified that the project was selected for implementation.

The project will install a high-friction surface treatment at the southernmost curve on Lasselle Street, near Rancho Verde High School; and upgrades to the traffic signals on Lasselle Street from College Drive to the south city limit to discourage speeding. The attached vicinity map depicts the project area. The project funding covers all phases of implementation, including planning, environmental clearance, design, procurement, installation, and contingencies. Per the provisions of the HSIP grant, the City is required to use its own funds to implement the project and then receive reimbursement progress payments.

Approval of the recommended actions would support Objective 4 of the *Momentum MoVal* Strategic Plan: “Manage and maximize Moreno Valley’s public infrastructure to ensure an excellent quality of life, develop and implement innovative, cost effective infrastructure maintenance programs, public facilities management strategies, and capital improvement programming and project delivery.”

**ALTERNATIVES**

1. Approve and authorize the recommended actions as presented in this staff report. *This alternative will allow for implementation of this important safety project.*
2. Do not approve and authorize the recommended actions. *This alternative would delay implementation of this important safety project.*

**FISCAL IMPACT**

The Cycle 8 HSIP grant for guardrail upgrades will provide for reimbursement of up to \$522,300 (100% of project costs). Staff requests that City Council approve appropriation of the entire project budget from Fund 2301 (Capital Projects Reimbursements) for the planning, design, and construction phases of the project. HSIP funds can only be used for transportation safety-related improvements. **There is no impact to the General Fund.**

Proposed Appropriation for Fiscal year 2016/2017:

Category	Fund	Project Number (PN) GL Account (GL)	Type	Original Budget	Proposed Adjustment	Revised Budget
CIP	Capital Projects Reimbursements (2301)	GL – 2301-99-99-92301-482020	Rev	\$4,230,340	\$522,300	\$4,752,640
CIP	Capital Projects Reimbursements (2301)	GL – 2301-70-76-80008-720199 PN – 808 0027-2301-99	Exp	\$6,897,900 \$0	\$522,300 \$522,300	\$7,420,200 \$522,300

**PROPOSED PROJECT BUDGET:**

Proposed Capital Projects Reimbursements Appropriation  
(Account No. 2301-70-76-80008) (Project No. 808 0018-2301-99)..... \$522,300

**ESTIMATED PROJECT COSTS:**

Environmental clearance and design ..... \$93,200  
Construction ..... \$373,200  
Construction Engineering ..... \$55,900  
Total ..... \$522,300

**ANTICIPATED PROJECT SCHEDULE:**

Receive Caltrans Authorization for Preliminary Engineering ..... September 2017  
Complete Environmental Clearance ..... June 2018  
Complete Design ..... March 2019  
Complete Construction ..... November 2019

**NOTIFICATION**

Publication of agenda.

**PREPARATION OF STAFF REPORT**

Prepared By:  
John Kerenyi  
Senior Engineer, P.E.

Department Head Approval:  
Ahmad R. Ansari, P.E.  
Public Works Director/City Engineer

Concurred By:  
Eric Lewis, P.E., T.E.  
City Traffic Engineer

**CITY COUNCIL GOALS**

**Public Safety.** Provide a safe and secure environment for people and property in the community, control the number and severity of fire and hazardous material incidents, and provide protection for citizens who live, work and visit the City of Moreno Valley.

**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

**CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

**ATTACHMENTS**

- 1. Vicinity map

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	3/02/17 8:32 AM
City Attorney Approval	<u>✓ Approved</u>	3/03/17 3:07 PM
City Manager Approval	<u>✓ Approved</u>	3/07/17 8:39 PM





**Attachment 1:  
Location Map**

**Legend**

 Rest in Red treatment



0 0.25 0.5 1 Miles





## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** March 21, 2017

**TITLE:** ACCEPTANCE OF CYCLE 8 HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) GRANT AND FUNDING APPROPRIATION FOR THE UPGRADE OF MARKED CROSSWALKS ON ARTERIALS

---

### **RECOMMENDED ACTION**

#### **Recommendations:**

1. Accept the California Department of Transportation (Caltrans) Highway Safety Improvement Program (HSIP) Cycle 8 grant award of up to \$250,000 in funds for the upgrade of existing marked crosswalks on arterials.
2. Authorize the Chief Financial Officer to appropriate \$250,000 as revenue and expense in the Capital Projects Reimbursements fund (Fund 2301).
3. Amend the Fiscal Year 16/17 Adopted Capital Improvement Plan to include the project as a funded project.

### **SUMMARY**

This report requests that the City Council accept the \$250,000 HSIP grant award from Caltrans, appropriate funds for the project to upgrade marked crosswalks on arterials, and amend the Fiscal Year 16/17 Adopted Capital Improvement Program to include this project.

### **DISCUSSION**

The Highway Safety Improvement Program was established in 2005 by Federal law as a core Federal-aid program. The program's purpose is to reduce traffic fatalities and serious injuries on public roads.

On September 6, 2016, City Council ratified submission of applications for three projects under the HSIP Cycle 8 Call for Projects. The project cited in this staff report was one of the three authorized by Council. Staff was subsequently notified that the project was selected for implementation.

The project will upgrade existing marked crosswalks at seven locations to provide high-visibility treatments, including markings, signing, and the addition of pedestrian-actuated flashing beacons. The attached vicinity map depicts the project area. The project funding covers all phases of implementation, including planning, environmental clearance, design, procurement, installation, and contingencies. Per the provisions of the HSIP grant, the City is required to use its own funds to implement the project and then receive reimbursement progress payments.

Approval of the recommended actions would support Objective 4 of the *Momentum MoVal* Strategic Plan: “Manage and maximize Moreno Valley’s public infrastructure to ensure an excellent quality of life, develop and implement innovative, cost effective infrastructure maintenance programs, public facilities management strategies, and capital improvement programming and project delivery.”

**ALTERNATIVES**

1. Approve and authorize the recommended actions as presented in this staff report. *This alternative will allow for implementation of this important safety project.*
2. Do not approve and authorize the recommended actions. *This alternative would delay implementation of this important safety project.*

**FISCAL IMPACT**

The Cycle 8 HSIP grant for marked crosswalk upgrades will provide for reimbursement of up to \$250,000 (100% of project costs). Staff requests that the City Council approve appropriation of the entire project budget from Fund 2301 (Capital Projects Reimbursements) for the planning, design, and construction phases of the project. HSIP funds can only be used for transportation safety-related improvements. **There is no impact to the General Fund.**

**Proposed Appropriation for Fiscal year 2016/2017:**

Category	Fund	Project Number (PN) GL Account (GL)	Type	Original Budget	Proposed Adjustment	Revised Budget
CIP	Capital Projects Reimbursements (2301)	GL – 2301-99-99-92301-482020	Rev	\$4,230,340	\$250,000	\$4,480,340
CIP	Capital Projects Reimbursements (2301)	GL – 2301-70-76-80008-720199 PN – 808 0026-2301-99	Exp	\$6,897,900 \$0	\$250,000 \$250,000	\$7,147,900 \$250,000

**PROPOSED PROJECT BUDGET:**

Proposed Capital Projects Reimbursements Appropriation  
(Account No. 2301-70-76-80008) (Project No. 808 0018-2301-99)..... \$250,000

**ESTIMATED PROJECT COSTS:**

Environmental clearance and design ..... \$45,000  
Construction ..... \$180,000  
Construction Engineering ..... \$25,000  
Total ..... \$250,000

**ANTICIPATED PROJECT SCHEDULE:**

Receive Caltrans Authorization for Preliminary Engineering ..... September 2017  
Complete Environmental Clearance ..... June 2018  
Complete Design ..... March 2019  
Complete Construction ..... November 2019

**NOTIFICATION**

Publication of agenda.

**PREPARATION OF STAFF REPORT**

Prepared By:  
John Kerenyi  
Senior Engineer, P.E.

Department Head Approval:  
Ahmad R. Ansari, P.E.  
Public Works Director/City Engineer

Concurred By:  
Eric Lewis, P.E., T.E.  
City Traffic Engineer

**CITY COUNCIL GOALS**

**Public Safety.** Provide a safe and secure environment for people and property in the community, control the number and severity of fire and hazardous material incidents, and provide protection for citizens who live, work and visit the City of Moreno Valley.

**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

**CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

**ATTACHMENTS**



- 1. Vicinity map

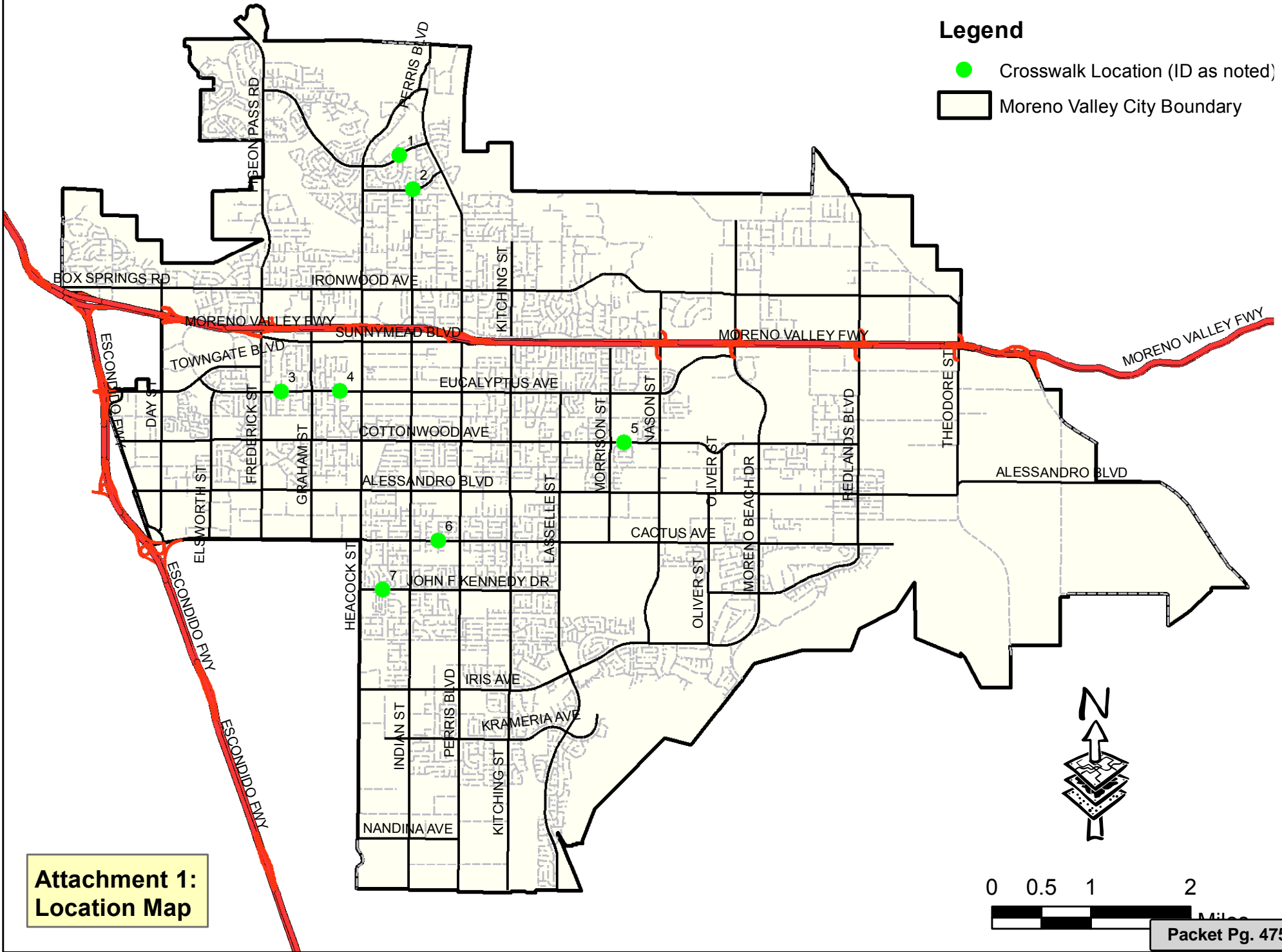
**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	3/02/17 8:31 AM
City Attorney Approval	<u>✓ Approved</u>	3/03/17 3:12 PM
City Manager Approval	<u>✓ Approved</u>	3/07/17 8:39 PM



### Legend

-  Crosswalk Location (ID as noted)
-  Moreno Valley City Boundary



**Attachment 1:  
Location Map**

**Attachment: Vicinity map (2485 : ACCEPTANCE OF CYCLE 8 HIGHWAY SAFETY IMPROVEMENT**



## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** March 21, 2017

**TITLE:** TRACT 22180-3 – ACCEPT DEVELOPMENT IMPACT FEE (DIF) IMPROVEMENT CREDIT AGREEMENT #D17-001 FOR INDIAN STREET AND GENTIAN AVENUE ROAD IMPROVEMENTS ASSOCIATED WITH THE AUGUSTA TRACT PROJECT DEVELOPER: RSI COMMUNITIES LLC

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### **RECOMMENDED ACTION**

#### **Recommendations:**

1. Accept the Development Impact Fee Improvement Credit Agreement #D17-001 (DIF Agreement) for Tract 22180-3 improvements.
2. Authorize the City Manager to execute the DIF Agreement.

### **SUMMARY**

As part of the project conditions of approval, the developer will be constructing required DIF-related public improvements. Section 3.38.150 of the City's Municipal Code allows the developer to receive a credit for qualifying public improvements made to designated arterial street(s). Indian Street and Gentian Avenue are designated streets in the City's DIF Nexus Study. The developer's maximum credit amount is based on the lower of the DIF Nexus Study Costs, the Engineer's Cost Estimate provided by the developer, and the DIF Fee Obligation.

### **DISCUSSION**

The City's Municipal Code, Chapter 3.38, "Residential Development Impact Fees" requires the developer to pay Development Impact Fees (DIF). The DIF covers the developer's fair share of the costs to construct improvements that help mitigate the traffic impacts and burdens generated by the project on the City's network of arterial streets and traffic signals.

As part of the project conditions of approval, the developer will be constructing required DIF-related public improvements. Section 3.38.150 of the City's Municipal Code allows the developer to receive a credit for qualifying public improvements made to the designated arterial street(s). Indian Street and Gentian Avenue are designated streets in the City's DIF Nexus Study. The developer of Tract 22180-3 is required to construct public improvements on Indian Street and Gentian Avenue.

The developer is eligible to receive DIF Credits for specific improvements identified in the DIF Nexus Study for Indian Street and Gentian Avenue. Qualifying DIF improvements include roadway excavation, pavement, base, curb and gutter, striping and traffic control.

Per the DIF Improvement Credit Agreement, the initial credit is the least of the DIF Nexus Study Costs, Engineer's Cost Estimate provided by the developer, and DIF Fee Obligation. Refer to Exhibit "C" – DIF Credit Calculation Table of the DIF Improvement Credit Agreement. The DIF Improvement Credit Agreement is attached to this Staff Report as Attachment 1. Based on the information provided by the developer, the maximum DIF Credit for this project is \$59,625.00 for the Arterial Street components of the DIF.

### **ALTERNATIVES**

1. Approve and accept the recommended actions as presented in this staff report. *Staff recommends this alternative as this will help achieve the construction goals as identified within the DIF Nexus Study.*
2. Do not approve and accept the recommended actions as presented in this staff report. *Staff does not recommend this alternative as it would not help to achieve the construction goals as identified within the DIF Nexus Study.*

### **FISCAL IMPACT**

There is no fiscal impact to the General Fund.

### **NOTIFICATION**

Publication of agenda.

### **PREPARATION OF STAFF REPORT**

Prepared By:  
Vince Girón  
Associate Engineer

Department Head Approval:  
Ahmad R. Ansari, P.E.  
Public Works Director/City Engineer

Concurred By:  
Michael Lloyd, P.E.

Engineering Division Manager

## **CITY COUNCIL GOALS**

**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

## **CITY COUNCIL STRATEGIC PRIORITIES**

1. Economic Development
2. Public Safety
3. Library
4. Infrastructure
5. Beautification, Community Engagement, and Quality of Life
6. Youth Programs

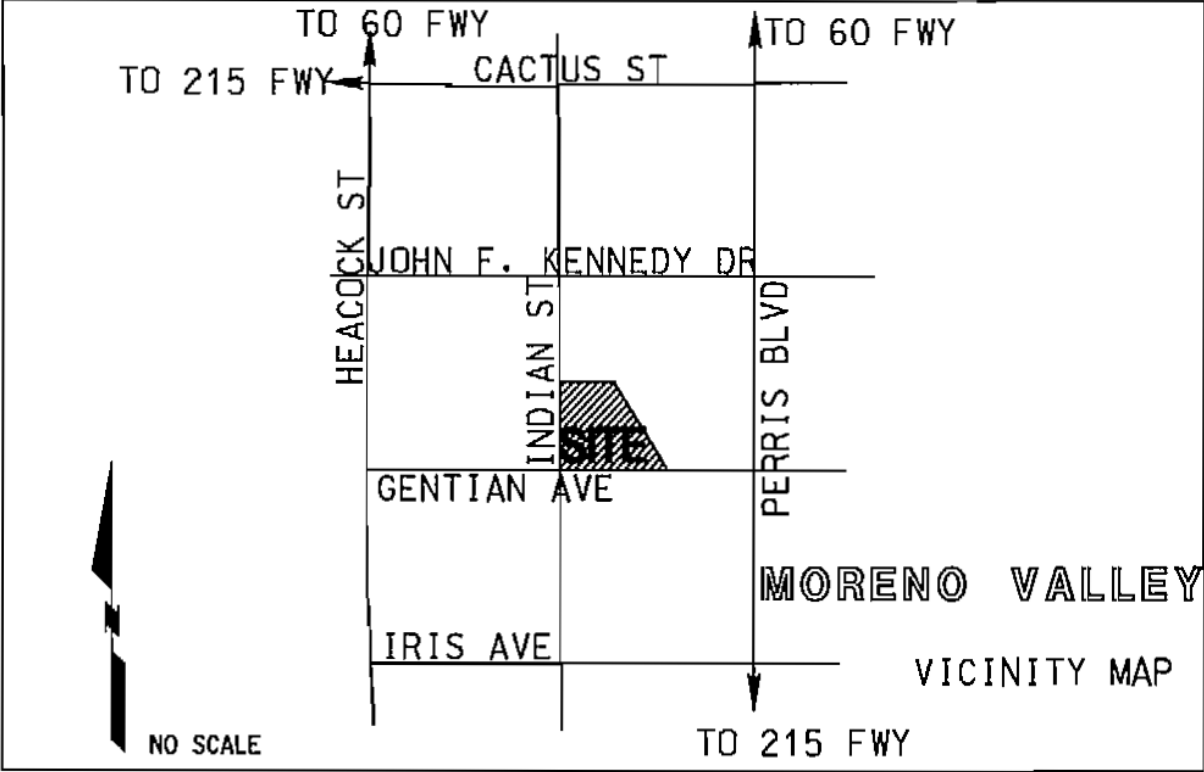
Objective 4.2: Develop and maintain a comprehensive Infrastructure Plan to invest in and deliver City infrastructure.

## **ATTACHMENTS**

1. Vicinity Map - TR 22180-3
2. DIF Improvement Credit Agreement - TR 22180-3

## **APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	3/02/17 8:30 AM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 4:03 PM
City Manager Approval	<u>✓ Approved</u>	3/08/17 4:15 PM



CITY OF MORENO VALLEY  
PUBLIC WORKS DEPARTMENT - LAND DEVELOPMENT

TR 22180-3

Attachment: Vicinity Map - TR 22180-3 (2484 : TRACT 22180-3 ? ACCEPT DEVELOPMENT IMPACT FEE (DIF))



**DEVELOPMENT IMPACT FEES  
IMPROVEMENT CREDIT AGREEMENT**

**NUMBER D17-001**

**TR 22180-3**

**53 SINGLE-FAMILY RESIDENTIAL UNITS**

This Development Impact Fees Improvement Credit Agreement is made and entered into as of the date the City signs this Agreement, by and between the City of Moreno Valley, a municipal corporation, hereinafter referred to as "City" and the undersigned Developer, hereinafter referred to as "Developer."

**RECITALS**

WHEREAS, Developer and City have entered into an Agreement for Public Improvements (attached hereto as Exhibit "A"), dated November 15, 2016, which Agreement for Public Improvements sets forth all obligations of the Developer for Public Improvements that are a condition of approval for the above-titled development (hereinafter referred to as the "Project"), some of which may be eligible for Development Impact Fees (hereinafter referred to as "DIF") Credit under this Agreement; and

WHEREAS, the City of Moreno Valley Municipal Code Chapter 3.38 "Residential Development Impact Fees" and Chapter 3.42 "Commercial and Industrial Development Impact Fees" requires Developer to pay the DIF for projects identified in the most recently adopted DIF study (hereinafter referred to as "DIF Obligation") which covers the Project's fair share of the costs to construct improvements that help mitigate the impacts

and burdens on the City's local systems generated by the Project and that are necessary to provide City services and protect the safety, health, and welfare of residential and non-residential users; and

WHEREAS, certain improvements set forth in the Agreement for Public Improvements are also identified in the City's DIF Program as improvements that are to be funded from DIF, which identified improvements are set forth in Exhibit B attached hereto and hereby incorporated by reference and are hereinafter referred to as the DIF Improvements; and

WHEREAS, if the City or some other third party constructs the DIF improvements set forth in the Agreement for Public Improvements prior to Developer, then this Improvement Credit Agreement shall become null and void and the Developer shall be required to pay the full DIF Obligation of the Project; and

WHEREAS, the City and Developer now desire to enter into this Improvement Credit Agreement to provide a means by which the Developer may receive a Credit for required DIF improvements actually constructed by the Developer for the subject Project subject to the terms and limitations set forth in this Agreement.

NOW, THEREFORE, for the purposes set forth herein, and for good and valuable consideration, the adequacy of which is hereby acknowledged, Developer and City hereby agree as follows:

## **1.0 General Provisions.**

**1.1 Incorporation of Recitals.** The Parties hereby affirm the facts and provisions set forth in the above Recitals and agree to their incorporation herein as though set forth in full.

**1.2 Incorporation of the Agreement for Public Improvements.** The Parties hereby affirm the terms, conditions and requirements set forth in the Agreement for Public Improvements (Exhibit "A") and agree to their incorporation herein as though set forth in full.

## **2.0 DIF Obligation.**

**2.1 Developer's DIF Obligation.** Developer hereby agrees and accepts that, as of February 21, 2017, the Developer is obligated to pay DIF for the Project to City in the amount of four hundred eighty-nine thousand nine hundred twenty-one and forty cents (\$489,921.40) (hereinbefore and hereinafter referred to as the "DIF Obligation").

**2.2 Effect of Agreement.** Notwithstanding anything in this Agreement, Developer acknowledges that the DIF Obligation is established by the provisions of the City of Moreno Valley Municipal Code Chapter 3.38 "Residential Development Impact Fees," or Chapter 3.42 "Commercial and Industrial Development Impact Fees," and that this Agreement does not alter, limit, increase or reduce the obligations under those code

sections nor prevent City from adjusting or correcting the DIF Obligation amount to conform to the requirements of the Municipal Code.

### **3.0 DIF Credit Limitations.**

**3.1 Calculation of DIF Credit.** Pursuant to City of Moreno Valley Municipal Code Sections 3.38.150 "Credit for Improvements Provided by Developers" (residential), or 3.42.110 "Credit for Improvements Provided by Developers" (commercial and industrial), and in accordance with the City's Development Impact Fee Credit and Reimbursement Policy, as adopted by the City Council on August 26, 2008, (the "Credit and Reimbursement Policy") and in consideration of Developer's obligations under the Conditions of Approval for the Project and the Agreement for Public Improvements to construct the DIF improvements, the maximum amount of DIF Credit that shall be applied by City to offset the DIF Obligation shall be as defined in Sections 4.0 of this Agreement and the Credit and Reimbursement Policy.

**3.2 Effect of Agreement.** Notwithstanding the foregoing, Developer acknowledges that the amounts of DIF Credits are established by the provisions of the City of Moreno Valley Municipal Code and the DIF Credit and Reimbursement Policy and this Agreement shall not prevent City from adjusting or correcting the DIF Credit amounts set forth in this Agreement to conform to the requirements of the Municipal Code and the Credit and Reimbursement policy.

#### 4.0 DIF Credit

**4.1 Maximum DIF Credit.** City shall apply DIF Credit to offset, in whole or in part, the Project's DIF Obligation. The maximum amount of DIF Credit that shall be applied by City to offset the DIF Obligation shall be equal to the least of: (A) the City Engineer's Estimate of the actual cost of the DIF Improvements (hereinafter collectively referred to as "Engineer's Estimate"), or (B) project costs as identified in the DIF study in effect at the time of the issuance of a building permit, or (C) the actual DIF Obligation. In no event shall a DIF Credit exceed the actual DIF Obligation.

**4.2 DIF Credit Offset to DIF Obligation.** The DIF Credit shall be applied at the time DIF obligation is due and payable. If the project is to be developed by phases, by specific units, or by specific buildings, DIF Credit shall be applied according to a Public Improvements Phasing Schedule approved by the City and attached and incorporated to this agreement.

**4.3 Submittal Timeframe.** The Developer shall submit to the City Engineer any and all documentation the Developer deems relevant in substantiating the claim for DIF Credit for the DIF Qualifying Improvements to be constructed by the Developer. Such documentation may include contracts, bids, estimates, or any other relevant documents pertaining to the actual cost of the Qualifying Improvements. The City Engineer shall take into consideration, but shall not be bound by, any such documentation submitted by the Developer in formulating the Engineer's Estimate. All such documentation shall be submitted by the Developer to the City Engineer no later



than ninety (90) calendar days prior to the date for payment of DIF for the project. The City Engineer will use his or her best efforts and professional judgment in formulating an Engineer's Estimate and shall endeavor to provide said estimate to the Developer in writing within sixty (60) calendar days after submittal of the last document submitted by the Developer.

#### **4.4 DIF Credit Calculation (*completed by City*).**

As of the date hereof, the amount of DIF Credit for which Developer is potentially eligible is set forth in Exhibit C "DIF Credit Calculation Table" attached hereto and hereby incorporated by reference.

**4.5 Reconciliation - Final DIF Credit.** If the dollar amount of the actual DIF Credit is less than the amount of the actual unpaid DIF Obligation (hereinafter referred to as "DIF Balance"), the City shall notify the Developer in writing of the amount of the DIF Balance and Developer shall pay the DIF Balance to fully satisfy the DIF Obligation at the time DIF payments are due. If the dollar amount of the actual DIF Credit exceeds the amount of the actual DIF Obligation, Developer will be deemed to have fully satisfied the DIF Obligation. If the Developer has actually paid DIF and completed DIF Improvements, but has not received full DIF Credit for which the Developer would have been otherwise eligible under the DIF Credit and Reimbursement Policy, the Developer *may* be eligible for a Reimbursement Agreement, to the extent applicable, as provided in a separate Development Impact Fees Improvement Reimbursement Agreement.

#### **4.6 Credit Transfer for Unfunded DIF Reimbursement Eligibility.**

To the extent that Developer has Reimbursement Eligibility Amounts which are both unpaid and unfunded by the City and which have not expired under the ten (10) year limitation set forth in the Development Impact Fee Credit and Reimbursement Policy No. 3.24, Section F – Time Limitation, Developer may apply to receive partial or full DIF Credits for the same component of DIF on another development project within the City owned or controlled by that Developer and which has received all necessary approvals, on a dollar for dollar basis. Written application shall be made to the City and Developer shall provide any and all documentation and other information the City may reasonably request. The City shall not unreasonably withhold approval of such a Credit Transfer.

**5.0 No Interest.** Developer shall not be entitled to any interest, or any other cost or time value adjustment, for DIF paid to the City whether or not subsequently credited under Section 4.6 or reimbursed.

**6.0 Term of Agreement.** For purposes of Reimbursement Eligibility and Credit Transfer, this Agreement shall remain in effect for a period not to exceed ten (10) years from the date of execution by the City.

#### **7.0 General.**

**7.1 Assignment.** Except as specifically set forth in this Agreement, this Agreement shall not be assigned by any Party without the prior written consent of the non-assigning Party, which consent shall not be unreasonably withheld. All


assignees and successors in interest shall assume and become obligated to perform all obligations and be entitled to all benefits of the original Party.

**7.2 Amendment.** This Agreement may only be amended in writing signed by the Parties.

**7.3 Law, Venue and Jurisdiction.** This Agreement shall be governed by the laws of the State of California. Venue and Jurisdiction of all matters arising out, pertaining to, or in any way related to this Agreement shall be vested in the Superior Court of the State of California, in and for the County of Riverside, California.

**7.4 Notices.** Any notices to be given pursuant to this Agreement shall be in writing and delivered by First Class Mail addressed to the Parties as follows:

City: City Engineer  
City of Moreno Valley  
Post Office Box 88005  
Moreno Valley, California 92552-0805

Developer:   
**Darius Fatakia**  
**Vice President Land Development**  
RSI COMMUNITIES  
\_\_\_\_\_

**7.5 Entire Agreement.** This Agreement is the final, complete and exclusive statement of the Agreement of the Parties with respect to the subject matter hereof and supersedes and replaces any prior oral or written agreements between the Parties addressing the same subject matter.

**(SIGNATURE PAGE TO FOLLOW)**

IN WITNESS WHEREOF, the Parties hereto have caused their authorized representatives to execute this Agreement.

CITY OF MORENO VALLEY,  
a California municipal corporation

RSI Communities, LLC  
\_\_\_\_\_  
(Name of Developer)  
a Delaware limited liability company  
\_\_\_\_\_  
(legal capacity of Developer)

By: \_\_\_\_\_  
City Manager

Its: \_\_\_\_\_

Date: \_\_\_\_\_

By:  \_\_\_\_\_

Its: **Darius Fatakia**  
**Vice President Land Development**

Date: 2/22/17

ATTEST: \_\_\_\_\_  
City Clerk

Date: \_\_\_\_\_

By:  \_\_\_\_\_

Its: **Patrick Donahue**  
**Division President**  
**Southern California**

Date: 2/22/17

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney

Date: \_\_\_\_\_

SIGNING INSTRUCTION TO THE DEVELOPER:

All signatures on the Contract Agreement on behalf of the Developer must be acknowledged before a notary public. In the event that the Developer is a corporation, the president or vice-president plus the secretary of/or an assistant secretary of the corporation must sign. Corporate seal may be affixed hereto.



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

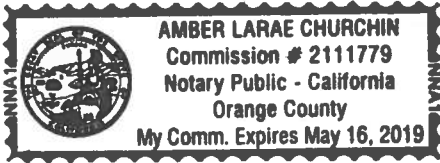
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )
County of Orange )
On 2/22/17 before me, Amber Larae Churchin, Notary Public,
Date Here Insert Name and Title of the Officer
personally appeared Darius Fatakia
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Document Date:
Number of Pages: Signer(s) Other Than Named Above:

Capacity(ies) Claimed by Signer(s)

Signer's Name:
[ ] Corporate Officer - Title(s):
[ ] Partner - [ ] Limited [ ] General
[ ] Individual [ ] Attorney in Fact
[ ] Trustee [ ] Guardian or Conservator
[ ] Other:
Signer Is Representing:

Signer's Name:
[ ] Corporate Officer - Title(s):
[ ] Partner - [ ] Limited [ ] General
[ ] Individual [ ] Attorney in Fact
[ ] Trustee [ ] Guardian or Conservator
[ ] Other:
Signer Is Representing:

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

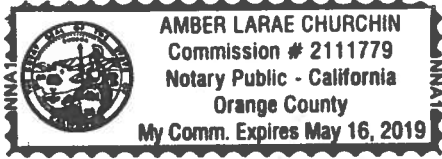
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )
County of Orange )
On 2/22/17 before me, Amber Larae Churchin, Notary Public,
Date Here Insert Name and Title of the Officer
personally appeared Patrick Donahue
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature [Handwritten Signature]
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Document Date:
Number of Pages: Signer(s) Other Than Named Above:

Capacity(ies) Claimed by Signer(s)

Signer's Name:
[ ] Corporate Officer - Title(s):
[ ] Partner - [ ] Limited [ ] General
[ ] Individual [ ] Attorney in Fact
[ ] Trustee [ ] Guardian or Conservator
[ ] Other:
Signer Is Representing:

Signer's Name:
[ ] Corporate Officer - Title(s):
[ ] Partner - [ ] Limited [ ] General
[ ] Individual [ ] Attorney in Fact
[ ] Trustee [ ] Guardian or Conservator
[ ] Other:
Signer Is Representing:

**EXHIBIT "A"**

**PUBLIC IMPROVEMENT AGREEMENT**

**WITH BONDS**

(ATTACHED BEHIND THIS PAGE)

## EXHIBIT "A"

**AGREEMENT FOR PUBLIC IMPROVEMENTS  
FOR  
PROJECT NO. TR 22180-3**

This Agreement made and entered into by and between the City of Moreno Valley, State of California, hereinafter called City, and RSI Communities, LLC, herein after called Developer, on the date the City signs this agreement.

**WITNESSETH:**

**FIRST:** Developer, for and in consideration of the approval by the City of the final map of that certain land division, or that certain other land development project, known as TR 22180-3 agrees, at Developer's own expense, to furnish all labor, equipment and material necessary, and within TWENTY-FOUR (24) months from the date this Agreement is executed, to perform and complete in a good and workmanlike manner, all of the required improvements in accordance with those improvement plans for said project which have been approved by the City Engineer, and are on file in the office of the City Engineer, and to do all work incidental thereto in accordance with the standards set forth in City ordinances and regulations, and pay all costs of engineering necessary in connection therewith, which are expressly made a part of this Agreement. All of the above-required work shall be done under the inspection of and to the satisfaction of the City Engineer, and shall not be deemed complete until approved and accepted as complete by the City. Developer further agrees to guarantee the required improvements for a period of one year following acceptance by the City and during this one year period to repair and replace, to the satisfaction of the City Engineer, any defective work or labor done or defective materials furnished. Developer shall complete the improvements described in this paragraph pursuant to Section 66462, Government Code. Developer shall also complete any offsite improvements required as a condition of approval and with plans approved by the City Engineer at such time as the City acquires an interest in the land which will permit the improvements to be made, and the Developer waives the 120 day time limitation set forth in Section 66462.5, Government Code.

Security to guarantee the performance of this agreement shall be in the following amounts:

Faithful Performance security shall be in the sum of TWO MILLION SEVEN HUNDRED SEVENTY NINE THOUSAND AND NO/100 Dollars (\*\*\*\$2,779,000.00\*\*\*). The estimated cost of said work and improvements, pursuant to the Preliminary Estimate of Cost labeled Exhibit A attached hereto.

Labor and Material security shall be in the sum of ONE MILLION THREE HUNDRED EIGHTY NINE THOUSAND FIVE HUNDRED AND NO/100 Dollars (\*\*\*\$1,389,500.00\*\*\*). The estimated cost securing payment of labor and materials is fifty (50) percent of the total cost estimate of the improvements.

Developer further agrees to guarantee the required improvements for a period of one year following acceptance by the City and during this one year period to repair and replace, to the satisfaction of the City Engineer, any defective work or labor done or defective materials furnished. Upon entering the warranty period, the City shall retain ten percent of the original faithful performance security. Developer reserves the right to substitute the form of security, in accordance with the Moreno Valley Municipal Code, at any time during the term of this agreement, subject to approval of the City Engineer and City Attorney.

**SECOND:** Developer agrees to file with City, prior to the date this Agreement is executed, a good and sufficient improvement security in an amount not less than the estimated cost of the work and improvements for the faithful performance of the terms and conditions of this Agreement, and good and sufficient security for payment of labor and materials in the amount prescribed by City ordinances and regulations to secure the claims to which reference is made in Title 3 (commencing with Section 9000) of Part 6 of Division 4 of the Civil Code of the State of California. Developer agrees to renew each and every said bond or bonds with good and sufficient sureties or increase the amounts of said bond or bonds, or both, within ten (10) days after being notified by the City Engineer that the sureties or amounts are insufficient. Notwithstanding any other provision herein, if Developer fails to take such action as is

**AGREEMENT FOR PROJECT NO. TR 22180-3  
PUBLIC IMPROVEMENTS**

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necessary to comply with said notice, he shall be in default of this Agreement unless all required improvements are completed within ninety (90) days of the date on which the City Engineer notified the Developer of the insufficiency of said bonds. Developer reserves the right to substitute the form of security in accordance with the City's Municipal Code at any time during the term of this agreement, subject to approval by the City Engineer and City Attorney.

**THIRD:** Developer agrees to pay to the City the actual cost of such inspection of the works and improvements as may be required by the City Engineer. Developer further agrees that, if suit is brought upon this Agreement or any bond guaranteeing the completion of the required improvements, all costs and reasonable expenses and fees incurred by the City in successfully enforcing such obligations shall be paid by Developer and guaranteed by the surety in addition to the face amount of the security, including reasonable attorney's fees, and that, upon entry of judgment, such costs, expenses and fees shall be taxed as costs and included in any judgment rendered.

**FOURTH:** To the furthest extent allowed by law, including California Civil Code Section 2782, Developer shall indemnify, hold harmless and defend City and each of its officers, officials, employees and agents from any and all claims, losses, liabilities, fines, penalties, forfeitures, costs and damages (whether in contract, tort or strict liability, including, but not limited to personal injury, death at any time and/or property damage) incurred by City or any other Person, and from any and all claims, demands and actions in law or equity (including attorney's fees and litigation expenses), arising or alleged to have arisen directly or indirectly out of the performance of this Agreement, including but not limited to the alleged acts or omissions of any contractor, subcontractor, employee or agent acting on behalf of Developer or the design of any improvements to be constructed pursuant to this Agreement or the use of any patent or patented article in the performance of this Agreement.

Developer's obligations to indemnify and hold City harmless shall apply in all instances except those claims caused by the active negligence, sole negligence, or willful misconduct of City or any of its officers, officials, employees or agents. Developer's obligations to defend the City and provide a legal defense (including the retention of attorneys acceptable to City and all legal costs and expenses) shall apply in all instances, except those claims arising out of the sole negligence or the willful misconduct of City or any of its officers, officials, employees or agents.

If Developer retains any contractor or subcontractor to perform any of the Work to be performed under this Agreement, Developer shall require each contractor or subcontractor to indemnify, hold harmless and defend City and each of its officers, officials, employees and agents in accordance with the terms of the preceding paragraphs.

Developer's obligations under his section shall survive the completion of any work to be performed by Developer, the City's inspection and/or acceptance of any work performed by Developer, as well as the termination or expiration of this Agreement.

Developer's provision of insurance, as required below, does not terminate, alter, limit or satisfy Developer's defense and indemnity obligations provided for herein.

**FIFTH:** Throughout the life of the Agreement, Developer shall pay for and maintain in full force and effect all policies of insurance required hereunder with an insurance company (ies) either (i) admitted by the California Insurance Commissioner to do business in the State of California and rated not less than "A-VII" in Best's Insurance Rating Guide, or (ii) as authorized by the City Manager or his/her designee. The following policies of insurance are required:

(i) **COMMERCIAL GENERAL LIABILITY** insurance which shall be at least as broad as the most current version of Insurance Services Office (ISO) Commercial General Liability Coverage Form CG 00 01 and include insurance for "bodily injury," "property damage" and "personal and advertising injury" with



**AGREEMENT FOR PROJECT NO. TR 22180-3  
PUBLIC IMPROVEMENTS**

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coverage for premises and operations (including the use of owned and non-owned equipment), products and completed operations, and contractual liability (including, without limitation, indemnity obligations under the Contract) with limits of not less than \$1,000,000 per occurrence for bodily injury and property damage, \$1,000,000 per occurrence for personal and advertising injury, \$2,000,000 aggregate for products and completed operations and \$2,000,000 general aggregate.

(ii) **COMMERCIAL AUTOMOBILE LIABILITY** insurance which shall be at least as broad as the most current version of Insurance Services Office (ISO) form CA 00 01 and shall include coverage for "any auto" with limits of liability of not less than \$1,000,000 per accident for bodily and property damage. Commercial Automobile Liability coverage is required if automobiles are to be operated on city-owned property or within City right-of-way.

(iii) **WORKERS' COMPENSATION** insurance as required under the California Labor Code.

Developer shall be responsible for payment of any deductibles or self-insured retentions contained in any insurance policies required hereunder.

All policies of insurance required hereunder shall be endorsed to provide that the coverage shall not be cancelled, non-renewed, reduced in coverage or in limits except after thirty (30) calendar day written notice by certified mail, return receipt requested, has been given to the City. Upon issuance by the insurer, broker or agent of a notice of cancellation, non-renewal or reduction in coverage or limits, Developer shall furnish City with a new certificate and applicable endorsements for such policy(ies). In the event any policy(ies) is due to expire before the completion of the work, Developer shall provide a new certificate and all applicable endorsements evidencing renewal of such policy(ies) not less than 15 calendar days prior to the expiration date of the expiring policy(ies).

The General Liability and Automobile Liability insurance policies shall be written on an occurrence form and endorsed to name the City and its officers, officials, employees and agents as additional insured's. Such policy(ies) of insurance shall be endorsed so Developer's insurance shall be primary and no contribution shall be required of City. Any Workers' Compensation insurance policy shall contain a waiver of subrogation as to City, its officers, officials, employees and agents. Developer shall furnish City with the certificate(s) and applicable endorsements for all required insurance fourteen (14) days prior to the start of work. NOTE: A Certificate of Insurance is not acceptable. The Certificate of Insurance must be accompanied by the additional insured and primary insurance endorsements.

If Developer retains any contractor or subcontractor to perform any of the Work to be performed under this Agreement, Developer shall require each contractor or subcontractor to provide insurance protection in favor of City, its officers, officials, employees and agents in accordance with the terms of the Agreement. Any contractor or subcontractor performing work on behalf of Developer shall likewise be required to name City its officers, officials, employees and agents as additional insured's as required herein. Developer shall obtain certificates and endorsements from such contractors or subcontractors before the commencement of any work.

At any time during the Agreement, upon request of City, Developer shall immediately furnish City with a complete copy of any insurance policy required under this Agreement, including all endorsements, with said copy certified by the underwriter to be a true and correct copy of the original policy.

If at any time Developer fails to maintain the required insurance in full force and effect, all work permitted thereunder shall be discontinued immediately until notice is received by City that the required insurance has been restored to full force and effect and that the premiums therefore have been paid for a period satisfactory to City. Any failure by Developer to provide or maintain the required insurance shall be considered a material breach of the Agreement.

**AGREEMENT FOR PROJECT NO. TR 22180-3  
PUBLIC IMPROVEMENTS**

Page 4 of 5

The fact that insurance is obtained by Developer shall not be deemed to release or diminish its liability, including but not limited to, liability under the indemnity provisions on this Agreement. Developer's duty to defend and indemnify City shall apply to all claims and liabilities, regardless of whether any insurance policies are applicable. The policy limits stated herein do not act as a limitation upon the amount of indemnification required to be provided by Developer.

**SIXTH** The Developer hereby grants to the City and/or to any authorized agent or employee of the City, the irrevocable permission to enter upon the lands of the above-referenced land division for the purpose of completing the improvements. This permission shall terminate in the event that the Developer has completed the work within the time specified or any extension thereof granted by the City.

**SEVENTH:** Developer agrees at all times, up to the completion and acceptance of the improvements by the City, to give good and adequate warning to the traveling public of each and every dangerous condition caused by the construction of the improvements, and to protect the traveling public from such defective or dangerous conditions. The Developer shall keep all traveled ways that are a part of, or affected by the construction of this project free and clear of mud, dirt and debris and shall provide twice monthly street sweeping service. A copy of the contract for street sweeping service shall be provided to the City. The Developer's obligation under this provision shall be secured by the bonds securing performance of this Agreement.

**EIGHTH:** The Developer, his agents and employees, shall give notice to the City Engineer at least 48 hours before beginning any work and shall furnish said City Engineer all reasonable facilities for obtaining full information with respect to the progress and manner of work.

**NINTH:** If the Developer, or his agents or employees, neglects, refuses, or fails to prosecute the work with such diligence as to insure its completion within the specified time, or within such extensions of time as have been granted by the City, or if the Developer violates, neglects, refuses, or fails to perform satisfactorily any of the provisions of the plans and specifications, he shall be in default of this Agreement and notice in writing of such default shall be served upon him. The City Council shall have the power, on recommendation by the City Engineer, to terminate all rights of the Developer because of such default. The determination by the City Engineer of the question as to whether any of the terms of the Agreement or specifications have been violated, or have not been performed satisfactorily, shall be conclusive upon the Developer, and any and all parties who may have any interest in the Agreement or any portion thereof. The foregoing provisions of this section shall be in addition to all other rights and remedies available to the City under law.

**TENTH:** It is further agreed by and between the parties hereto, including the surety or sureties on the bonds securing this Agreement that, in the event it is deemed necessary to extend the time of completion of the work contemplated to be done under this Agreement, extensions of time **may** be granted by the City from time to time, either at its own option, or upon request of Developer, and such extensions shall in no way affect the validity of this Agreement or release the surety or sureties on said bonds, Developer further agrees to maintain the aforesaid bonds in full force and effect during the terms of this Agreement, including any extensions of time as may be granted therein.

**ELEVENTH:** It is understood and agreed by the parties hereto that if any part, term or provision of this Agreement is by the courts held to be unlawful and void, the validity of the remaining portions shall not be affected and the rights and obligations of the parties shall be construed and enforced as if the Agreement did not contain the particular part, term or provision held to be invalid.

**TWELFTH:** In the event legal action is required to enforce the terms of the Agreement, the prevailing party shall be entitled to recover attorney's fees and costs, including expert fees.

AGREEMENT FOR PROJECT NO. TR 22180-3  
PUBLIC IMPROVEMENTS

**THIRTEENTH:** Any notice or notices required or permitted to be given pursuant to this Agreement shall be served on the other party by mail, postage prepaid, at the following addresses:

**City:**  
City Engineer  
P.O. Box 88005  
14177 Frederick Street  
Moreno Valley, CA 92552-0805

**Developer:**  
RSI Communities, LLC  
620 Newport Center Drive  
12<sup>th</sup> Floor  
Newport Beach, CA 92660


IN WITNESS WHEREOF Developer has affixed his name, address and seal.

Date approved by the City: 11/15/16


**RSI Communities, LLC:**

Developer

By:


Signature   
Print/Type Name PATRICK DONAHUE  
Title SVP

By:

Signature   
Print/Type Name MITCHELL PEREZ  
Title VP ACQUISITIONS

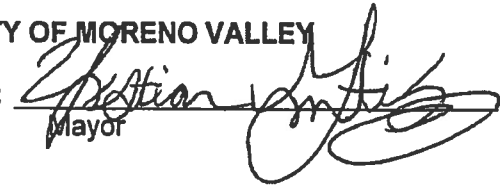
**ATTEST:  
CITY CLERK  
OF THE CITY OF MORENO VALLEY**

By:

  
City Clerk

**CITY OF MORENO VALLEY**

By:

  
Mayor

(SEAL)

**APPROVED AS TO FORM:  
CITY ATTORNEY**

Date:

10-17-16

By:

  
City Attorney

**NOTE: TWO SIGNATURES ARE REQUIRED FOR CORPORATIONS UNLESS CORPORATE DOCUMENTS ARE PROVIDED THAT INDICATE OTHERWISE.**

SIGNATURES OF DEVELOPER MUST BE EXECUTED IN QUADRUPPLICATE AND THE EXECUTION OF THE ORIGINAL COPY MUST BE ACKNOWLEDGED BEFORE A NOTARY  
ORIGINAL - CITY CLERK; PINK - DEVELOPER; GREEN - SURETY; BLUE - PROJECT FILE

EXHIBIT "A"  
ENGINEER'S ESTIMATE

Sheet 1 of 8

PROJECT: 0 TRACT 22180-3  
PUBLIC PAVEMENT SECTIONS

DATE: 07/22/16  
PREPARED BY: JOSH FROHMAN (ds)

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>Street Work - Non DIF Non TUMF</b>				
Roadway Excavation		1882 C.Y.	29.00	54,578
A.B. Class II - Street 1	0.75	Thickness (ft.)		
	87751	S.F.	33.00	121,440
A.C. - Street 1	0.45	Thickness (ft.)		
	87751	S.F.	80.00	178,840
Roadway Excavation		1804 C.Y.	29.00	48,516
A.B. Class II - Street 2	0.5	Thickness (ft.)		
	88819	S.F.	33.00	103,358
A.C. - Street 2	0.3	Thickness (ft.)		
	88819	S.F.	80.00	150,320
Roadway Excavation		0 C.Y.	29.00	0
A.B. Class II - Street 3	0	Thickness (ft.)		
	0	S.F.	33.00	0
A.C. - Street 3	0	Thickness (ft.)		
	0	S.F.	80.00	0
Roadway Excavation		0 C.Y.	29.00	0
A.B. Class II - Street 4	0	Thickness (ft.)		
	0	S.F.	33.00	0
A.C. - Street 4	0	Thickness (ft.)		
	0	S.F.	80.00	0
<b>Street Work - DIF</b>				
Roadway Excavation		0 C.Y.	29.00	0
A.B. Class II - Street 1	0	Thickness (ft.)		
	0	S.F.	33.00	0
A.C. - Street 1	0	Thickness (ft.)		
	0	S.F.	80.00	0
Roadway Excavation		0 C.Y.	29.00	0
A.B. Class II - Street 2	0	Thickness (ft.)		
	0	S.F.	33.00	0
A.C. - Street 2	0	Thickness (ft.)		
	0	S.F.	80.00	0
Roadway Excavation		0 C.Y.	29.00	0
A.B. Class II - Street 3	0	Thickness (ft.)		
	0	S.F.	33.00	0
A.C. - Street 3	0	Thickness (ft.)		
	0	S.F.	80.00	0
Roadway Excavation		0 C.Y.	29.00	0
A.B. Class II - Street 4	0	Thickness (ft.)		
	0	S.F.	33.00	0
A.C. - Street 4	0	Thickness (ft.)		
	0	S.F.	80.00	0
<b>Street Work - TUMF</b>				
Roadway Excavation		0 C.Y.	29.00	0
A.B. Class II - Street 1	0	Thickness (ft.)		
	0	S.F.	33.00	0
A.C. - Street 1	0	Thickness (ft.)		
	0	S.F.	80.00	0
Roadway Excavation		0 C.Y.	29.00	0
A.B. Class II - Street 2	0	Thickness (ft.)		
	0	S.F.	33.00	0
A.C. - Street 2	0	Thickness (ft.)		
	0	S.F.	80.00	0
Roadway Excavation		0 C.Y.	29.00	0
A.B. Class II - Street 3	0	Thickness (ft.)		
	0	S.F.	33.00	0
A.C. - Street 3	0	Thickness (ft.)		
	0	S.F.	80.00	0
Roadway Excavation		0 C.Y.	29.00	0
A.B. Class II - Street 4	0	Thickness (ft.)		
	0	S.F.	33.00	0
A.C. - Street 4	0	Thickness (ft.)		
	0	S.F.	80.00	0
			<b>SUBTOTAL:</b>	<b>652,850</b>

A.13.b

Attachment: DIF Improvement Credit Agreement - TR 22180-3 (2484 : TRACT 22180-3 ? ACCEPT

07-25-16

Packet Pg. 499

EXHIBIT "A"  
ENGINEER'S ESTIMATE

Sheet 2 of 8

PROJECT: 0 PUBLIC STREET WORK  
DATE: 07/22/18  
PREPARED BY: JOSH FROHMAN (ds)

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>Offsite Street Work</b>				
<i>Pavement</i>				
Grind & Pave 0.15'	104	S.F.	3.25	338
A.C. Cap/Overlay	0	Ton	80.00	0
Slurry Seal (Based on \$150/Ton Type II)	0	S.Y.	2.25	0
Paving Fabric	0	S.Y.	1.20	0
Sawcut	104	L.F.	3.00	312
Utility Trench	3109	L.F.	17.00	52,853
Trench Repaving	558	S.F.	12.00	6,696
Redwood Header	0	L.F.	6.00	0
A.C. Berm - 6"	0	L.F.	10.00	0
A.C. Berm - 8"	0	L.F.	15.00	0
Adjust M.H. to Grade	0	EA.	800.00	0
Adjust Water Valve to Grade	0	EA.	400.00	0
Remove & Dispose Existing Pavement & Base	0	SF	28.00	0
Remove Existing Curb & Gutter	652	L.F.	12.00	7,824
<i>Concrete</i>				
P.C.C. Paving - 6"	0	S.F.	6.50	0
P.C.C. Paving - 8"	0	S.F.	10.50	0
Curb and Gutter - 6"	4277	L.F.	25.00	106,925
Curb and Gutter - 8"	1855	L.F.	30.00	55,650
Curb and Gutter - 8" (DIF Street Name)	0	L.F.	30.00	0
Curb and Gutter - 8" (TUMF Street Name)	0	L.F.	30.00	0
Curb Only - 6"	0	L.F.	20.00	0
Curb Only - 8"	0	L.F.	25.00	0
Curb Only - 8" (DIF Street Name)	0	L.F.	25.00	0
Curb Only - 8" (TUMF Street Name)	0	L.F.	25.00	0
A.C. Curb 6"	0	L.F.	12.00	0
A.C. Curb 8"	0	L.F.	15.00	0
Cross Gutter and Spandrel	5894	S.F.	10.25	60,414
Sidewalk	40788	S.F.	4.25	173,382
Sidewalk (DIF Street Name)	0	S.F.	7.00	0
Sidewalk (TUMF Street Name)	0	S.F.	7.00	0
Median Stamped Concrete	0	S.F.	14.00	0
Driveway Approach - 6"	10070	S.F.	8.50	85,455
Driveway Approach - 8"	0	S.F.	10.50	0
Wheelchair Ramp	10	EA.	2,800.00	28,000
Alley Approach - 6"	0	S.F.	10.25	0
1/2 Alley Apron	0	S.F.	10.25	0
Barricade	0	L.F.	100.00	0
Bus Bay	0	EA.	15,000.00	0
<i>Miscellaneous</i>				
Relocate Power Poles	0	EA.	30,000.00	0
Relocate Power Poles (DIF Street Name)	0	EA.	30,000.00	0
Erosion Control	16	AC	5,000.00	79,000
Walls - Masonry: 6' Maximum	0	L.F.	100.00	0
Walls - Retaining: 6' Maximum	0	L.F.	150.00	0
Reinforced P.C.C. Retaining Walls	0	C.Y.	780.00	0
				0
			<b>SUBTOTAL</b>	<b>637,858</b>
<b>Traffic Improvements (Plan Checked by Trans. Eng. Staff/Inspected by LDD Staff)</b>				
Traffic Striping/raised pavement markers	1	L.S.	-	11,042
Traffic Striping (DIF Street -Perris Blvd)	0	L.S.	-	0
Street Name Sign	6	EA.	500.00	3,000
Stop Sign	3	EA.	200.00	600
Signs and Posts	10	EA.	200.00	2,000
Signs and Posts (DIF Street -Perris Blvd)	0	EA.	200.00	0
Street Sweeping Sign	9	EA.	200.00	1,800
Warning Markers - Type L, Type N	0	EA.	100.00	0
Traffic Control	0	L.S.	10,000.00	0
Traffic Control (DIF Street Name)	0	L.S.	10,000.00	0
Traffic Signal PB-Adjust to Grade	0	EA.	800.00	0
Metal Guard Rail	0	L.F.	90.00	0
			<b>SUBTOTAL:</b>	<b>18,442</b>





JF  
07-25-16

EXHIBIT "A"  
ENGINEER'S ESTIMATE

Sheet 3 of 8

PROJECT: 0 PUBLIC STREET WORK (CONTINUED) DATE: 07/22/16 PREPARED BY: JOSH FROHMAN (ds)

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>Special Districts</b>				
Landscaping - Medians	0	S.F.	8.00	0
Landscaping - Parkways	0	S.F.	8.00	0
100W HPSV or Equivalent (9,500 Lumens)	17	EA.	5,000.00	85,000
200W HPSV or Equivalent (22,000 Lumens)	12	EA.	6,000.00	72,000
250W HPSV or Equivalent	0	EA.	8,000.00	0
100W LED or Equivalent	0	EA.	5,000.00	0
145W LED or Equivalent	0	EA.	5,000.00	0
<b>SPECIAL DISTRICTS SUBTOTAL:</b>				<b>157,000</b>
<b>Moreno Valley Utilities</b>				
Electrical Utility Infrastructure	0	L.S.	50,000	0
<b>MVU SUBTOTAL:</b>				<b>0</b>
<b>Water Quality Basin</b>				
Landscaping	0	S.F.	6.00	0
Filtration Devices	0	EA.	0.00	0
Access Ramp PCC	0	S.F.	0.00	0
Low-Flow Pipe System	0	L.F.	0.00	0
Headwalls	0	EA.	0.00	0
Outlets	0	EA.	0.00	0
Risers	0	EA.	0.00	0
Forebay PCC	0	S.F.	0.00	0
Toe of slope protection PCC	0	S.F.	20.00	0
<b>WQB SUBTOTAL:</b>				<b>0</b>
<b>Transportation Engineering (Plan Checked and Inspected by Transp. Eng. Staff)</b>				
Traffic Signal New (Interconnect, Controller, Software, Initial Coordination)	0	EA.	272,000.00	0
Traffic Signal Modification	0	L.S.	50,000.00	0
Traffic Signal Interconnect (Existing Signals Only)	0	L.F.	30.00	0
<b>TRANSPORTATION SUBTOTAL:</b>				<b>0</b>

07-2-16

EXHIBIT "A"  
ENGINEER'S ESTIMATE

Sheet 4 of 8

PROJECT: 0

DATE: 07/22/16  
PREPARED BY: JOSH FROHMAN (ds)

PUBLIC STORM DRAIN SYSTEM

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>Pipe</b>				
12" Reinforced Concrete Pipe	0	L.F.	130.00	0
18" Reinforced Concrete Pipe	0	L.F.	140.00	0
24" Reinforced Concrete Pipe	405	L.F.	160.00	64,800
24" Reinforced Concrete Pipe (DIF Street Name)	0	L.F.	160.00	0
30" Reinforced Concrete Pipe	284	L.F.	180.00	47,520
36" Reinforced Concrete Pipe	337	L.F.	190.00	64,030
36" Reinforced Concrete Pipe	0	L.F.	200.00	0
42" Reinforced Concrete Pipe	0	L.F.	210.00	0
48" Reinforced Concrete Pipe	0	L.F.	250.00	0
54" Reinforced Concrete Pipe	0	L.F.	300.00	0
60" Reinforced Concrete Pipe	0	L.F.	350.00	0
66" Reinforced Concrete Pipe	0	L.F.	375.00	0
72" Reinforced Concrete Pipe	0	L.F.	414.00	0
78" Reinforced Concrete Pipe	0	L.F.	459.00	0
84" Reinforced Concrete Pipe	0	L.F.	505.00	0
90" Reinforced Concrete Pipe	0	L.F.	557.00	0
96" Reinforced Concrete Pipe	0	L.F.	613.00	0
102" Reinforced Concrete Pipe	0	L.F.	671.00	0
108" Reinforced Concrete Pipe	0	L.F.	724.00	0
114" Reinforced Concrete Pipe	0	L.F.	785.00	0
12" HDPE	0	L.F.	45.00	0
18" HDPE	0	L.F.	50.00	0
24" HDPE	0	L.F.	55.00	0
30" HDPE	0	L.F.	60.00	0
36" HDPE	0	L.F.	70.00	0
42" HDPE	0	L.F.	80.00	0
48" HDPE	0	L.F.	90.00	0
54" HDPE	0	L.F.	125.00	0
60" HDPE	0	L.F.	140.00	0
4" PVC SCH. 40	0	L.F.	25.00	0
4" PVC SCH. 80	0	L.F.	30.00	0
6" PVC SCH. 40	0	L.F.	30.00	0
6" PVC SCH. 80	0	L.F.	35.00	0
8" PVC SCH. 40	0	L.F.	40.00	0
8" PVC SCH. 80	0	L.F.	48.00	0
Reinforced Concrete Structure	0	C.Y.	500.00	0
8' X 10' Reinforced Concrete Box	0	C.Y.	1200.00	0
8' X 12' Reinforced Concrete Box	0	C.Y.	1400.00	0
2 - 72" Reinforced Concrete Pipe	0	L.F.	840.00	0
3 - 4' X 2' Reinforced Concrete Pipe	0	L.F.	481.00	0
Sawcut and Remove Existing 57" Pipe	8	L.F.	350.00	2,800
<b>Manholes</b>				
Manhole No. 1	2	EA.	5000.00	10,000
Manhole No. 2	0	EA.	7200.00	0
Manhole No. 3	0	EA.	8500.00	0
Manhole No. 4	3	EA.	10000.00	30,000
	0		0.00	0
<b>Catch Basins</b>				
Catch Basin (3.5')	0	EA.	3100.00	0
Catch Basin (7')	5	EA.	5500.00	27,500
Catch Basin (10')	2	EA.	6700.00	13,400
Catch Basin (14')	1	EA.	8000.00	8,000
Catch Basin (21')	0	EA.	12500.00	0
Local Depressions	8	EA.	535.00	4,280
Catch Basin (3.5') (DIF Street Name)	0	EA.	3100.00	0
Catch Basin (7') (DIF Street Name)	0	EA.	5500.00	0
Catch Basin (10') (DIF Street Name)	0	EA.	6000.00	0
Catch Basin (14') (DIF Street Name)	0	EA.	8000.00	0
Catch Basin (21') (DIF Street Name)	0	EA.	12500.00	0
Local Depressions (DIF Street Name)	0	EA.	535.00	0
24" X 24" Grate basin	0	EA.	2500.00	0
18" X 18" Grate Basin	0	EA.	2100.00	0
6" Wide Strip Basin	0	EA.	3000.00	0
Removal/Relocation- Catch Basin	0	EA.	5000.00	0
Grated Catch Basin	0	EA.	6000.00	0
Headwall	0	EA.	5500.00	0

A.13.b

Attachment: DIF Improvement Credit Agreement - TR 22180-3 (2484 : TRACT 22180-3 ? ACCEPT

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07-25-16

Packet Pg. 503

EXHIBIT "A"  
ENGINEER'S ESTIMATE

Sheet 5 of 8

PROJECT:

0

DATE:

07/22/16

PREPARED BY:

JOSH FROHMAN (ds)

PUBLIC STORM DRAIN SYSTEM (CONTINUED)

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>Structures</b>				
Transition Structure	0	EA.	5500.00	0
Junction Structure	0	EA.	6500.00	0
Type IX Inlet Structure	0	EA.	2500.00	0
Inlet Structure (drop)	0	EA.	4000.00	0
Outlet Structure	0	EA.	8000.00	0
Concrete Collar (to 48")	0	EA.	3000.00	0
Headwall	0	EA.	5500.00	0
Concrete Collar (Grater than 48")	0	EA.	5000.00	0
Modified Junction Structure	0	EA.	15000.00	0
End Cap	0	EA.	1000.00	0
<b>Drains</b>				
Terrace Drain	0	S.F.	10.00	0
Down Drain	0	S.F.	10.00	0
Parkway Drain	0	EA.	3500.00	0
Under Sidewalk	0	EA.	600.00	0
Curb Outlet	0	EA.	250.00	0
"V" Gutter	0	S.F.	10.00	0
EODE Concrete Channel	0	C.Y.	250.00	0
<b>Miscellaneous</b>				
Rip Rap	0	TON	60.00	0
Concrete Pipe Slope Anchor	0	EA.	2500.00	0
Manhole Shaft	0		6000.00	0
Access Opening	0		15000	0
Special CB Connection	4	EA.	1400	5,600
Slurry Backfill 420-C-2000	32	C.Y.	110	3,520
			<b>SUBTOTAL:</b>	<b>281,450</b>

A.13.b

Attachment: DIF Improvement Credit Agreement - TR 22180-3 (2484 : TRACT 22180-3 ? ACCEPT

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07-25-16

Packet Pg. 504

EXHIBIT "A"  
ENGINEER'S ESTIMATE

Sheet 6 of 8

PROJECT: 0

DATE: 07/22/16  
PREPARED BY: JOSH FROHMAN (ds)

PUBLIC WATER SYSTEMS

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
<b>Pipes - Water System</b>				
4" PVC C-900	0	L.F.	25.00	0
6" PVC C-900	0	L.F.	30.00	0
8" PVC C-900	2534	L.F.	35.00	88,890
10" PVC C-900	0	L.F.	40.00	0
12" PVC C-900	1242	L.F.	55.00	68,310
16" PVC C-900	0	L.F.	90.00	0
18" PVC C-900	0	L.F.	135.00	0
20" PVC C-900	0	L.F.	180.00	0
	0	L.F.	0.00	0
<b>Valves - Water System</b>				
4" Gate Valve	0	EA.	715.00	0
6" Gate Valve	0	EA.	830.00	0
8" Gate Valve	8	EA.	1,340.00	8,040
10" Gate Valve	0	EA.	1,500.00	0
12" Gate Valve	3	EA.	2,300.00	6,900
16" Gate Valve	0	EA.	6,270.00	0
18" Gate Valve	0	EA.	14,300.00	0
4" Butterfly Valve	0	EA.	330.00	0
6" Butterfly Valve	0	EA.	520.00	0
8" Butterfly Valve	0	EA.	990.00	0
10" Butterfly Valve	0	EA.	1,200.00	0
12" Butterfly Valve	0	EA.	1,800.00	0
16" Butterfly Valve	0	EA.	2,700.00	0
18" Butterfly Valve	0	EA.	2,800.00	0
20" Butterfly Valve	0	EA.	4,200.00	0
24" Butterfly Valve	0	EA.	5,200.00	0
1" Air Vac Release	5	EA.	2,400.00	12,000
2" Air Vac Release	0	EA.	4,000.00	0
2" Backflow Preventor, Pad & Cover	0	EA.	4,300.00	0
4" Blow Off	0	EA.	3,500.00	0
6" Blow Off	1	EA.	4,000.00	4,000
	0		0.00	0
<b>Fire Hydrants - Water System</b>				
6" Standard Fire Hydrants	9	EA.	4,000.00	36,000
6" Super Fire Hydrants	4	EA.	4,500.00	18,000
	0		0.00	0
<b>Services Connections</b>				
1" Service	0	EA.	800.00	0
1" Service w/ 5/8" Service	53	EA.	2,000.00	106,000
1 1/2" Service	0	EA.	1,100.00	0
2" Service	0	EA.	1,600.00	0
	0		0.00	0
<b>Fittings - Water System</b>				
Misc. Fittings 4"	0		120.00	0
Misc. Fittings 6"	0		160.00	0
Misc. Fittings 8"	6		200.00	1,200
Misc. Fittings 10"	0		240.00	0
Misc. Fittings 12"	1		750.00	750
	0		0.00	0
<b>Water Meters - Water System</b>				
5/8" Meter	0		230.00	0
1" Meter	0		320.00	0
1 1/2" Meter	0		420.00	0
2" Meter	0		525.00	0
	0		0.00	0
<b>Hot Tap Connections - Water System</b>				
6" Hot Tap	0	EA.	1,750.00	0
8" Hot Tap	0	EA.	2,200.00	0
12" Hot Tap	1	EA.	3,150.00	3,150
Hot Tap Service Clamp	0	EA.	1,000.00	0
Water Service	0	EA.	330.00	0
	0		0.00	0



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*Miscellaneous - Water System*

Thrust Block	0 CY	150.00	0
Jack & Bore	0 L.F.	300.00	0
Joint at Existing 8"	1 EA.	650.00	650
Adjust Water Meter Box to Grade	0 EA.	235.00	0
	0	0.00	0
		<b>SUBTOTAL:</b>	<b>353,690</b>

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07-25-10

EXHIBIT "A"  
ENGINEER'S ESTIMATE

Sheet 7 of 8

PROJECT: 0

DATE: 07/22/16  
PREPARED BY: JOSH FROHMAN (ds)

## PUBLIC SEWER SYSTEMS

TYPE	QUANTITY	UNIT	UNIT PRICE	TOTAL
<i>Pipes - Sewer System</i>				
4" V.C. Pipe	0	L.F.	25.00	0
8" V.C. Pipe	0	L.F.	40.00	0
8" V.C. Pipe	0	L.F.	55.00	0
10" V.C. Pipe	0	L.F.	80.00	0
12" V.C. Pipe	0	L.F.	70.00	0
15" V.C. Pipe	0	L.F.	80.00	0
18" V.C. Pipe	0	L.F.	180.00	0
21" V.C. Pipe	0	L.F.	180.00	0
24" V.C. Pipe	0	L.F.	195.00	0
27" V.C. Pipe	0	L.F.	215.00	0
30" V.C. Pipe	0	L.F.	235.00	0
33" V.C. Pipe	0	L.F.	280.00	0
36" V.C. Pipe	0	L.F.	300.00	0
4" SDR - 35	1770	L.F.	25.00	44,250
6" SDR - 35	0	L.F.	30.00	0
8" SDR - 35	3310	L.F.	35.00	115,850
10" SDR - 35	0	L.F.	45.00	0
12" SDR - 35	0	L.F.	54.00	0
15" SDR - 35	0	L.F.	90.00	0
Concrete Encasement	0	L.F.	20.00	0
	0		0.00	0
<i>Cleans Outs - Sewer System</i>				
Clean-outs	0	EA.	730.00	0
Clean Out Lateral	0	EA.	200.00	0
Backwater Valves	7	EA.	500.00	3,500
<i>Manholes - Sewer System</i>				
Standard Manhole 48"	14	EA.	3,140.00	43,960
Standard Manhole 48" Extra Depth	0	EA.	3,500.00	0
Standard Manhole 60"	0	EA.	4,500.00	0
Shallow Manhole	0	EA.	3,300.00	0
Adjust Manhole to Grade	0	EA.	830.00	0
Tie Into Existing Manhole	1	EA.	2,100.00	2,100
Rechannel Existing Manhole	0	EA.	1,500.00	0
Join Existing 8" Pipe	0	EA.	1,500.00	0
Join Existing 12" Pipe	0	EA.	2,000.00	0
Pavement around MH	0	S.F.	14.00	0
	0		0.00	0
<i>Miscellaneous - Sewer System</i>				
Wyes	53	EA.	90.00	4,770
TV Sewer	0	L.F.	1.20	0
Trench Paving	0	S.F.	5.00	0
Pavement Replacement	0	S.F.	3.00	0
			SUBTOTAL:	214,430

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07-25-16

EXHIBIT "A"  
ENGINEER'S ESTIMATE

Sheet 8 of 8

CITY OF MORENO VALLEY  
PUBLIC WORKS DEPARTMENT - LAND DEVELOPMENT DIVISION  
BOND COMPUTATION SHEET

PROJECT: 0

DATE: 07/22/16  
PREPARED BY: JOSH FROHMAN (ds)

IMPROVEMENT TYPE:

PAVEMENT SECTION WORK	:	\$652,850
OFFSITE STREET WORK	:	\$637,858
SPECIAL DISTRICTS	:	\$157,000
MORENO VALLEY UTILITIES	:	\$0
WATER QUALITY BASIN	:	\$0
TRANSPORTATION ENGINEERING	:	\$0
STORM DRAIN SYSTEM	:	\$281,450
WATER SYSTEM	:	\$353,690
SEWER SYSTEM	:	\$214,430
TRAFFIC IMPROVEMENTS	:	\$18,442
MONUMENTS/OTHER	:	\$0

TOTAL COST (VALUE) OF IMPROVEMENTS: \$2,315,720

+20% CONTINGENCY: \$463,144

GRAND TOTAL: \$2,778,864

FAITHFUL PERFORMANCE SECURITY AMOUNT: \$2,779,000

LABOR & MATERIAL SECURITY AMOUNT: \$1,389,500

\*The cost for securing payment of Labor and Materials is fifty (50) percent of the total cost estimate of the improvements.



## EXHIBIT "B"

## ENGINEER'S ESTIMATE OF DIF IMPROVEMENTS

Rick Engineering Company GENTIAN AVENUE				
CONSTRUCTION ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
Roadway Excavation	1882	C.Y.	30.00	56,460
Aggregate Base Class II				
Thickness (ft.)	0.75			
Area (sf)	67,751	3680	Ton	50.00
				184,000
Asphalt Concrete				
Thickness (ft.)	0.45			
Area (sf)	67,751	2208	Ton	85.00
				187,680
Curb and Gutter - 8"	1,955	L.F.	30.00	58,650
Striping	1	L.S.	11,042.00	11,042
Traffic Control	1	L.S.	-	0
<b>TOTAL</b>				<b>\$ 497,832.00</b>

Rick Engineering Company INDIAN STREET				
CONSTRUCTION ITEM	QUANTITY	UNIT	UNIT PRICE	TOTAL
Roadway Excavation	1210	C.Y.	30.00	36,300
Aggregate Base Class II				
Thickness (ft.)	0.75			
Area (sf)	27,210	1479	Ton	50.00
				73,950
Asphalt Concrete				
Thickness (ft.)	0.45			
Area (sf)	27,210	887	Ton	85.00
				75,395
Curb and Gutter - 8"	750	L.F.	30.00	22,500
Striping	1	L.S.	6,000.00	6,000
Traffic Control	1	L.S.	10,000.00	10,000
<b>TOTAL</b>				<b>\$ 224,145.00</b>

EXHIBIT "C" – DIF Credit Calculation Table

Item	Process for DIF Credit Calculation	Streets	Traffic Signals	Police	Fire	Libraries	Parks	Community/Rec Centers	Public Facilities*	Interchange Improvements	2% Admin Fee	DIF Processing Fee
1	Engineer's Estimate	\$721,977										
2	Project costs as identified in DIF study	\$347,424		\$	\$	\$	\$	\$	\$	\$		
3	Actual DIF Obligation	\$59,625	\$40,545	\$26,182	\$51,993	\$17,384	\$144,637	\$36,782	\$56,869	\$37,153	\$9,423.40	\$9,328
3	Developer's Credit Amount** - Least of Lines 1 2 & 3	\$59,625	\$	\$	\$	\$	\$	\$	\$	\$		

\*may include, but not be limited to, City Hall, Corporate Yard, Animal Shelter, and/or maintenance equipment.

\*\* credit amount shall not exceed obligation.

Note:

- 1) Gentian Avenue, between Indian Street and Perris Boulevard, has a total DIF Study cost is \$496,320.00. TR 22180-3 portion is 45% x \$496,320.00 = \$223,344.00. This is based on the lineal feet of project frontage along Gentian Avenue.
- 2) Indian Street, between Gentian Avenue and Filaree Avenue, has a total DIF Study cost is \$124,080.00.





## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** March 21, 2017

**TITLE:** ACCEPTANCE OF CYCLE 8 HIGHWAY SAFETY IMPROVEMENT PROGRAM (HSIP) GRANT AND FUNDING APPROPRIATION FOR THE UPGRADE OF GUARDRAIL SYSTEMS

---

### **RECOMMENDED ACTION**

#### **Recommendations:**

1. Accept the California Department of Transportation (Caltrans) Highway Safety Improvement Program (HSIP) Cycle 8 grant award of up to \$779,900 in funds for implementing guardrail system upgrades.
2. Authorize the Chief Financial Officer to appropriate \$779,900 as revenue and expense in the Capital Projects Reimbursements fund (Fund 2301).
3. Amend the Fiscal Year 16/17 Adopted Capital Improvement Plan to include the Guardrail Upgrades project as a funded project.

### **SUMMARY**

This report requests that the City Council accept the \$779,900 HSIP grant award from Caltrans, appropriate funds for the project to upgrade guardrail systems, and amend the Fiscal Year 16/17 Adopted Capital Improvement Program to include this project.

### **DISCUSSION**

The Highway Safety Improvement Program was established in 2005 by Federal law as a core Federal-aid program. The program's purpose is to reduce traffic fatalities and serious injuries on public roads.

On September 6, 2016, City Council ratified submission of applications for three projects under the HSIP Cycle 8 Call for Projects. The project cited in this staff report was one of the three authorized by Council. Staff was subsequently notified that the project was selected for implementation.

The project will upgrade guardrail systems at 22 locations throughout the City to comply with current standards. Improvements generally consist of installing safety end treatments and adjusting guardrail height and lateral position to reduce the likelihood of vehicles going over the guardrail. The attached vicinity map depicts the project locations. The project funding covers all phases of implementation, including planning, environmental clearance, design, procurement, installation, and contingencies. Per the provisions of the HSIP grant, the City is required to use its own funds to implement the project and then receive reimbursement progress payments.

Approval of the recommended actions would support Objective 4 of the *Momentum MoVal* Strategic Plan: “Manage and maximize Moreno Valley’s public infrastructure to ensure an excellent quality of life, develop and implement innovative, cost effective infrastructure maintenance programs, public facilities management strategies, and capital improvement programming and project delivery.”

**ALTERNATIVES**

1. Approve and authorize the recommended actions as presented in this staff report. *This alternative will allow for implementation of this important safety project.*
2. Do not approve and authorize the recommended actions. *This alternative would delay implementation of this important safety project.*

**FISCAL IMPACT**

The Cycle 8 HSIP grant for guardrail upgrades will provide for reimbursement of up to \$779,900 (100% of project costs). Staff requests that the City Council approve appropriation of the entire project budget from Fund 2301 (Capital Projects Reimbursements) for the planning, design, and construction phases of the project. HSIP funds can only be used for transportation safety-related improvements. **There is no impact to the General Fund.**

**Proposed Appropriation for Fiscal year 2016/2017:**

Category	Fund	Project Number (PN) GL Account (GL)	Type	Original Budget	Proposed Adjustment	Revised Budget
CIP	Capital Projects Reimbursements (2301)	GL – 2301-99-99-92301-482020	Rev	\$4,230,340	\$779,900	\$5,010,240
CIP	Capital Projects Reimbursements (2301)	GL – 2301-70-76-80001-720199 PN – 801 0074-2301-99	Exp	\$448,400 \$0	\$779,900 \$779,900	\$1,228,300 \$779,900

**PROPOSED PROJECT BUDGET:**

Proposed Capital Projects Reimbursements Appropriation  
(Account No. 2301-70-76-80008) (Project No. 808 0018-2301-99)..... \$779,900

**ESTIMATED PROJECT COSTS:**

Environmental clearance and design ..... \$144,300  
Construction ..... \$577,900  
Construction Engineering ..... \$57,700  
Total ..... \$779,900

**ANTICIPATED PROJECT SCHEDULE:**

Receive Caltrans Authorization for Preliminary Engineering ..... September 2017  
Complete Environmental Clearance ..... June 2018  
Complete Design ..... March 2019  
Complete Construction ..... November 2019

**NOTIFICATION**

Publication of agenda.

**PREPARATION OF STAFF REPORT**

Prepared By:  
John Kerenyi  
Senior Engineer, P.E.

Department Head Approval:  
Ahmad R. Ansari, P.E.  
Public Works Director/City Engineer

Concurred By:  
Eric Lewis, P.E., T.E.  
City Traffic Engineer

**CITY COUNCIL GOALS**

**Public Safety.** Provide a safe and secure environment for people and property in the community, control the number and severity of fire and hazardous material incidents, and provide protection for citizens who live, work and visit the City of Moreno Valley.

**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

**CITY COUNCIL STRATEGIC PRIORITIES**

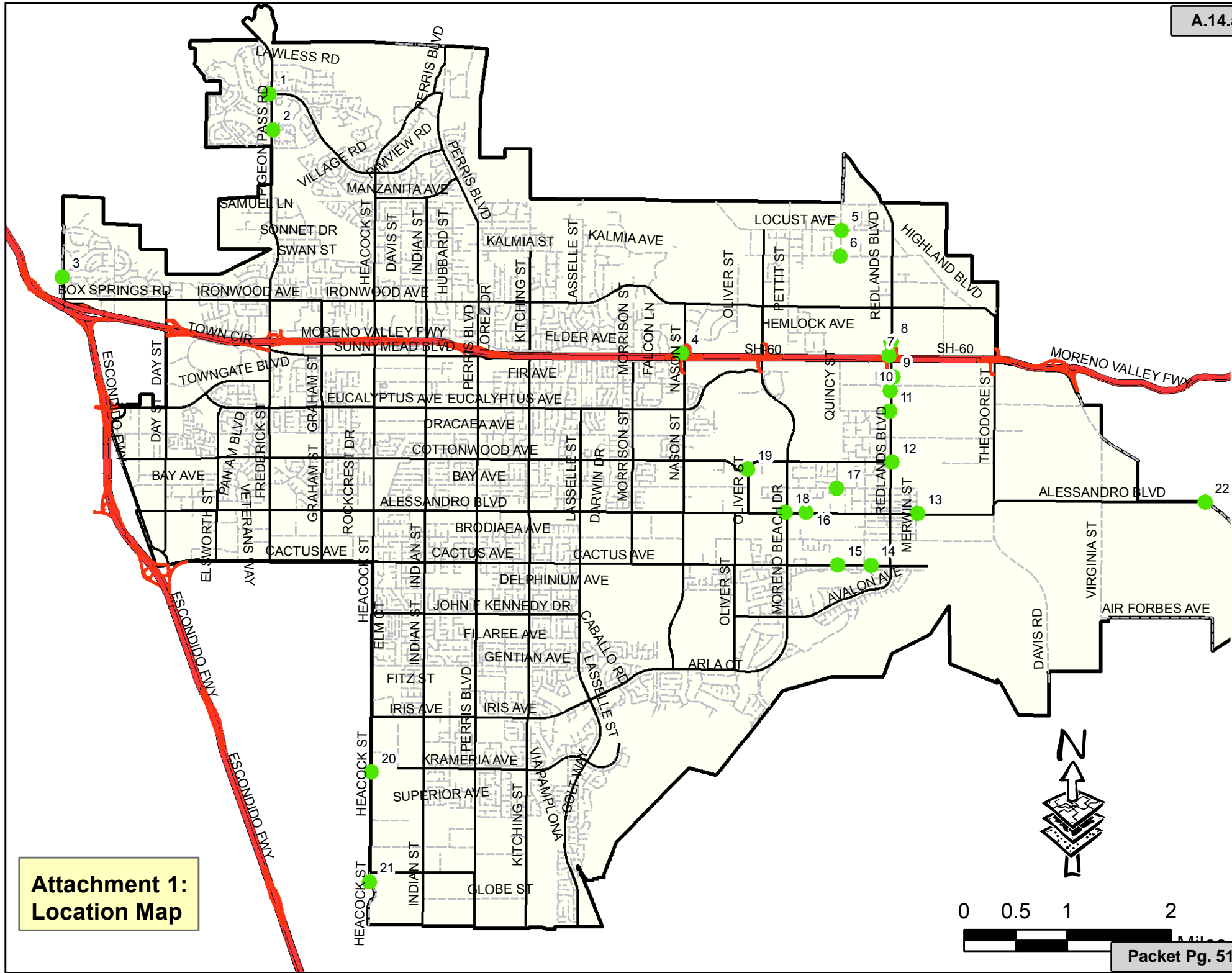
- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

**ATTACHMENTS**

- 1. guardrail vicinity map for CC staff rpt

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	3/02/17 8:25 AM
City Attorney Approval	<u>✓ Approved</u>	3/03/17 3:13 PM
City Manager Approval	<u>✓ Approved</u>	3/07/17 8:38 PM



**Attachment 1:  
Location Map**

**Attachment: guardrail vicinity map for CC staff rpt (2483 : ACCEPTANCE OF CYCLE 8 HIGHWAY SAFETY**





## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** March 21, 2017

**TITLE:** APPROVAL OF THE FISCAL YEAR 2017/2018 STORM WATER PROTECTION PROGRAM BUDGET FOR COUNTY SERVICE AREA 152

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### **RECOMMENDED ACTION**

#### **Recommendations:**

1. Approve the County Service Area (CSA) 152 Budget for Fiscal Year (FY) 2017/2018 in the amount \$675,693.
2. Authorize the levy of County Service Area 152 Assessment at \$8.15 per Benefit Assessment Unit (BAU) for FY 2017/2018.

### **SUMMARY**

The County Service Area (CSA) 152 was formed by Riverside County to offset a portion of the costs of the federally mandated National Pollutant Discharge Elimination System (NPDES) program. The County continues to manage the CSA program and applies parcel charges on the property tax bills of parcels which may benefit from the services. For the City to receive funding from the County, the City must prepare a CSA 152 Budget for submission to the County. This report recommends approval of the Fiscal Year (FY) 2017/2018 County Service Area 152 Budget in the amount of \$675,693, based on an assessment of \$8.15 per Benefit Assessment Unit (BAU).

### **DISCUSSION**

The CSA 152 program, as administered by the County, allows for the collection of revenues on the property tax bills to support the NPDES program. The County is the lead agency in administering CSA 152 and the City is a participating agency. In order to continue with the service provided under CSA 152, the City is required to approve the

CSA 152 budget for FY 2017/2018 in a specific amount (Attachment 1); and approve a CSA 152 Assessment per Benefit Assessment Unit (BAU) for FY 2017/2018.

Although costs may exceed the current revenues, Staff is not recommending an increase of the BAU assessment beyond the previously approved amount of \$8.15. Any increase to the BAU would require a mail ballot process under Proposition 218 and the approval of the property owners.

The County CSA 152 Administrative Services Agreement requires the City to adopt an annual CSA 152 Budget. To ensure the funding is secured and the assessment remains on the tax rolls for FY 2017/2018 staff is recommending Council adopt the CSA 152 budget as presented this evening. The County levies CSA 152 on the annual property tax bill on behalf of the City of Moreno Valley. On February 28, 2017, the Finance Subcommittee reviewed and recommended to the City Council for approval the FY 2017/2018 CSA 152 Budget.

Failure by the City to enforce the NPDES program can result in penalties of up to \$37,500 per day for noncompliance and/or civil and criminal penalties. This is a federally mandated program administered by the State. **There has been neither State nor Federal monies allocated to local agencies to address these requirements.**

### **ALTERNATIVES**

1. Approve the CSA 152 Budget for FY 2017/2018 in the amount of \$675,693 and authorize the levy of CSA 152 Assessment at \$8.15 per BAU for FY 2017/2018. *Approval of this alternative assures that a portion of the funds necessary to support the various storm water management and maintenance programs for the City will continue to be collected.*
2. Do not approve the CSA 152 Budget for FY 2017/2018 in the amount of \$675,693 and do not authorize the levy of CSA 152 Assessment at \$8.15 per BAU for FY 2017/2018. *This alternative does not provide for the collection of the assessment on the annual tax rolls that are necessary to fund portions of the storm water management and maintenance programs and not authorizing either the budget or levy will interrupt the assessment and revenue collection process.*

### **FISCAL IMPACT**

Adoption of the recommended CSA 152 Budget and authorization of the annual levy will ensure that the City receives its authorized funding from this source. With the implementation of the federally mandated NPDES program, the City may use CSA 152 revenues together with other NPDES related revenues. However, in cases where the revenues do not fully fund program costs, the City's General Fund may be required to make up the shortfall. Approving the CSA 152 Budget will help mitigate the level of impact on the General Fund. **Funds collected from the CSA 152 annual levy are restricted for use only within the Storm Water Management programs.**

Due to the increasing difference between the projected CSA 152 revenue and the NPDES storm water program budgets, it may be necessary in the future to increase the CSA 152 assessment per BAU, identify and implement other funding sources, and/or continue to use the General Fund to make up program shortfalls.

## **NOTIFICATION**

Publication of agenda.

## **PREPARATION OF STAFF REPORT**

Prepared By:  
Rae Beimer  
Storm Water Program Manager

Department Head Approval:  
Ahmad R. Ansari, P.E.  
Public Works Director/City Engineer

Concurred By:  
Michael Lloyd, P.E.  
Engineering Division Manager

Concurred By:  
Marshall Eyerman  
Chief Financial Officer/City Treasurer

## **CITY COUNCIL GOALS**

**Revenue Diversification and Preservation.** Develop a variety of City revenue sources and policies to create a stable revenue base and fiscal policies to support essential City services, regardless of economic climate.

**Public Safety.** Provide a safe and secure environment for people and property in the community, control the number and severity of fire and hazardous material incidents, and provide protection for citizens who live, work and visit the City of Moreno Valley.

**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

**Community Image, Neighborhood Pride and Cleanliness.** Promote a sense of community pride and foster an excellent image about our City by developing and executing programs which will result in quality development, enhanced neighborhood preservation efforts, including home rehabilitation and neighborhood restoration.

## **CITY COUNCIL STRATEGIC PRIORITIES**

1. Economic Development
2. Public Safety
3. Library
4. Infrastructure
5. Beautification, Community Engagement, and Quality of Life
6. Youth Programs

Objective 4.2: Develop and maintain a comprehensive Infrastructure Plan to invest in and deliver City infrastructure.

**ATTACHMENTS**

1. CSA 152 Budget Detail FY 2017-2018

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	3/02/17 8:23 AM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 9:39 AM
City Manager Approval	<u>✓ Approved</u>	3/08/17 3:35 PM

CITY OF MORENO VALLEY  
FISCAL YEAR 2017/2018 CSA 152 - BUDGET DETAIL

	<u>FY 2017/18</u>
1. STORM DRAINAGE SYSTEM INSPECTION (36" AND GREATER - 99,710 LF)	
A.    Inspection	\$6,787.69
B.    Document Violations	\$1,508.38
C.    Inspection Preparation Plan	\$6,284.90
D.    Update Facilities Drawings	\$10,055.83
*****	
Sub-total =	<u>\$24,636.79</u>
2. DRAINAGE AREA MANAGEMENT PLAN (DAMP)	
A.    Catch Basin Maintenance	\$190,498.99
B.    Street Sweeping	\$300,938.44
C.    Development of Ordinances/Policies/BMPs	\$15,083.75
D.    Training Program Implementation	\$1,885.47
E.    Inspection of Illegal Connections and Dumping	\$6,284.90
F.    Development of Municipal Facilities Strategy	\$6,284.90
G.    Litter/Trash Characterization	\$6,284.90
*****	
Sub-total =	<u>\$527,261.34</u>
3. PROGRAM ADMINISTRATION & SUPERVISION	
A.    Program Management	\$18,854.69
B.    Consultant's Fee (RCFC&WCD)	\$15,962.38
*****	
Sub-total =	<u>\$34,817.07</u>
4. LEGAL MAILINGS	
A.    Associate Environmental Engineer Cost	\$3,645.24
B.    Clerk's Cost	\$1,445.53
C.    Postage Cost	\$23,881.35
*****	
Sub-total =	<u>\$28,972.12</u>
5. ASSESSOR CHARGE - \$0.25/parcel	\$14,216.44
6. COUNTY COMPUTER TIME	\$5,247.67
7. CSA 152 ADMINISTRATION FEE (6%)	\$40,541.58
TOTAL PROJECTED YEARLY COST (1. through 7.)	<b>\$675,693.00</b>

**ANNUAL ASSESSMENT**

<b>COST</b>	\$675,693.00
<b>TOTAL BENEFIT ASSESSMENT UNITS</b>	82,907
<b>ANNUAL ASSESSMENT PER BAU</b>	\$8.15

Attachment: CSA 152 Budget Detail FY 2017-2018 (2448 : APPROVAL OF THE FISCAL YEAR 2017/2018 STORM WATER)





## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** March 21, 2017

**TITLE:** APPROVE COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT FOR THE SUNNYMEAD MASTER DRAINAGE PLAN LINE H-1A, STAGE 3, AKA HUBBARD STREET STORM DRAIN PROJECT NO. 804 0010

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### **RECOMMENDED ACTION**

#### **Recommendations:**

1. Approve the Cooperative Agreement with Riverside County Flood Control and Water Conservation District (District) for the Sunnymead Master Drainage Plan Line H-1A, Stage 3, aka Hubbard Street Storm Drain Project.
2. Authorize the City Manager to execute the Cooperative Agreement in the form attached hereto upon concurrence by the District.
3. Authorize the Public Works Director/City Engineer to approve any minor changes that may be requested by the District and/or the City subject to the approval of the City Attorney.
4. Authorize the Public Works Director/City Engineer to execute any future amendments subject to the approval of the City Attorney.
5. Authorize the Chief Financial Officer to appropriate \$467,000 as revenue and expense in the Public Work General Capital Projects Fund (3002) to provide adequate funding for the Hubbard Street Storm Drain project construction.

### **SUMMARY**

This report recommends approval of a cooperative agreement with Riverside County

Flood Control and Water Conservation District (the District) for the Sunnymead Master Drainage Plan Line H-1A, Stage 3, aka Hubbard Street Storm Drain Project. The Cooperative Agreement sets forth the City's responsibilities and the District's responsibilities, both in terms of scope and financial responsibility. The District's financial contribution is \$1,457,400 toward the project design and construction.

## **DISCUSSION**

City Staff has coordinated with the Riverside County Flood Control and Water Conservation District (District) to receive funds for the design and construction of the Hubbard Street Storm Drain Project as a continuous effort to resolve the flooding issues in the neighborhood of Hubbard Street and Dunlavy Court. The Hubbard Street Storm Drain Project is identified as Line H-1A, Stage 3 on the Sunnymead Master Drainage Plan. The project will include storm drain installation from Ironwood Avenue to Nightfall way, catch basin installation, and miscellaneous drainage - related improvements such as curb and gutter, driveway reconstruction, and grading to channel storm runoff in the streets to catch basin inlets.

The District has approved and allocated funds for the project design and construction in its Capital Improvement Plan Fiscal Year 2016-2017. The project is also currently shown as fully funded in the City's Fiscal Year 2016-2017 Adopted Capital Improvement Plan. Per Cooperative Agreement with the District, City staff and the District have agreed to move forward in partnership the design and construction of Hubbard Street Storm Drain project in the following manner:

- The City will obtain at its sole cost and expense any necessary right of way, environmental clearance, and necessary permits for the project construction.
- The City will prepare or hire consultant to prepare the design plans and specifications for the project.
- The District will review and approve the design plans, technical specifications, and estimate.
- The City will advertise, and construct Hubbard Street Storm Drain project.
- The District will reimburse the City for design and will fund the construction (up to \$1,457,400).

On October 13, 2015, the City Council authorized the Professional Consultant Services Agreement with Parsons Brinckerhoff to start design of the Hubbard Street Storm Drain project. The design is being completed and pending District's review and approval. City staff is working on the environmental clearance prior to advertising for construction bidding.

Approval of the recommended actions would support Objective 4 of the *Momentum MoVal* Strategic Plan: "Manage and maximize Moreno Valley's public infrastructure to

ensure an excellent quality of life, develop and implement innovative, cost effective infrastructure maintenance programs, public facilities management strategies, and capital improvement programming and project delivery.

**ALTERNATIVES**

1. Approve and authorize the recommended actions as presented in this staff report. *Staff recommends this alternative as it will provide for execution of the Cooperative Agreement and the timely completion of the Hubbard Street Storm Drain project.*
  
2. Do not approve and authorize the recommended actions as presented in this staff report. *Staff does not recommend this alternative as it will delay the construction of needed improvements which would ameliorate frequent flooding along Hubbard Street and surrounding areas.*

**FISCAL IMPACT**

This project is funded and approved in the Fiscal Year 2016-2017 Capital Improvement Plan (CIP). As previously mentioned, funds from the District up to \$1,457,400 will be received based upon the Cooperative Agreement execution to cover design and construction costs.

Proposed Appropriation adjustment for Fiscal Year 2016/2017:

Fund	Account Number	Type	FY 16/17 Budget	Proposed Adjustment	FY 16/17 Amended Budget
General Capital Projects	G/L: 3002-70-77-80004-720199 Project No. 804 0010-3002-99	EXP	\$1,722,280	\$467,000	\$2,189,280
		EXP	\$921,670	\$467,000	\$1,388,670
General Capital Projects	G/L: 3002-99-99-93002-500600	REV	\$2,551,650	\$467,000	\$3,018,650

**AVAILABLE BUDGET – FISCAL YEAR 2016/2017:**

General Fund  
 (Account 1010-70-77-80004-720199)(Project No. 804 0010-1010-99).....\$111,391  
 Public Works General Capital Projects  
 (Account 3002-70-77-80004-720199) (Project No. 804 0010-3002-99).....\$1,388,670  
 Total..... \$1,500,061

**ESTIMATED PROJECT COSTS:**

Environmental/Permitting .....	\$20,000
Design .....	\$200,000
Construction .....	\$1,130,000
Construction Material Testing and Surveying .....	\$100,000
Project Administration/Inspection* .....	\$50,000
Total .....	\$1,500,000

*\*Project administration and inspection will be provided by City staff*

**ANTICIPATED PROJECT SCHEDULE:**

Design, Right-of-Way, and Environmental Completion .....	April 2017
Advertise Bids .....	May 2017
Construction .....	June 2017 – January 2018

**NOTIFICATION**

Two Neighborhood meetings were conducted on site in August and November 2015. The Public Information meeting was conducted at the City Hall City Council Chamber on February 15, 2017. During construction, all utilities, adjacent property owners, business owners, law enforcement, fire department, and other emergency services responders in the area will be notified in a timely manner of the proposed construction.

**PREPARATION OF STAFF REPORT**

Prepared By:  
Henry Ngo, P.E.  
Senior Engineer

Department Head Approval:  
Ahmad R. Ansari, P.E.  
Public Works Director/City Engineer

Concurred By:  
Margery A. Lazarus, P.E.  
Interim Capital Projects Division Manager/Assistant City Engineer

**CITY COUNCIL GOALS**

**Public Safety.** Provide a safe and secure environment for people and property in the community, control the number and severity of fire and hazardous material incidents, and provide protection for citizens who live, work and visit the City of Moreno Valley.

**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

**Positive Environment.** Create a positive environment for the development of Moreno Valley's future.

**CITY COUNCIL STRATEGIC PRIORITIES**

1. Economic Development
2. Public Safety
3. Library

- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

Objective 2.9: Building upon momentum established with the El Niño Preparedness initiative, maintain and expand partnerships with community organizations throughout the City.

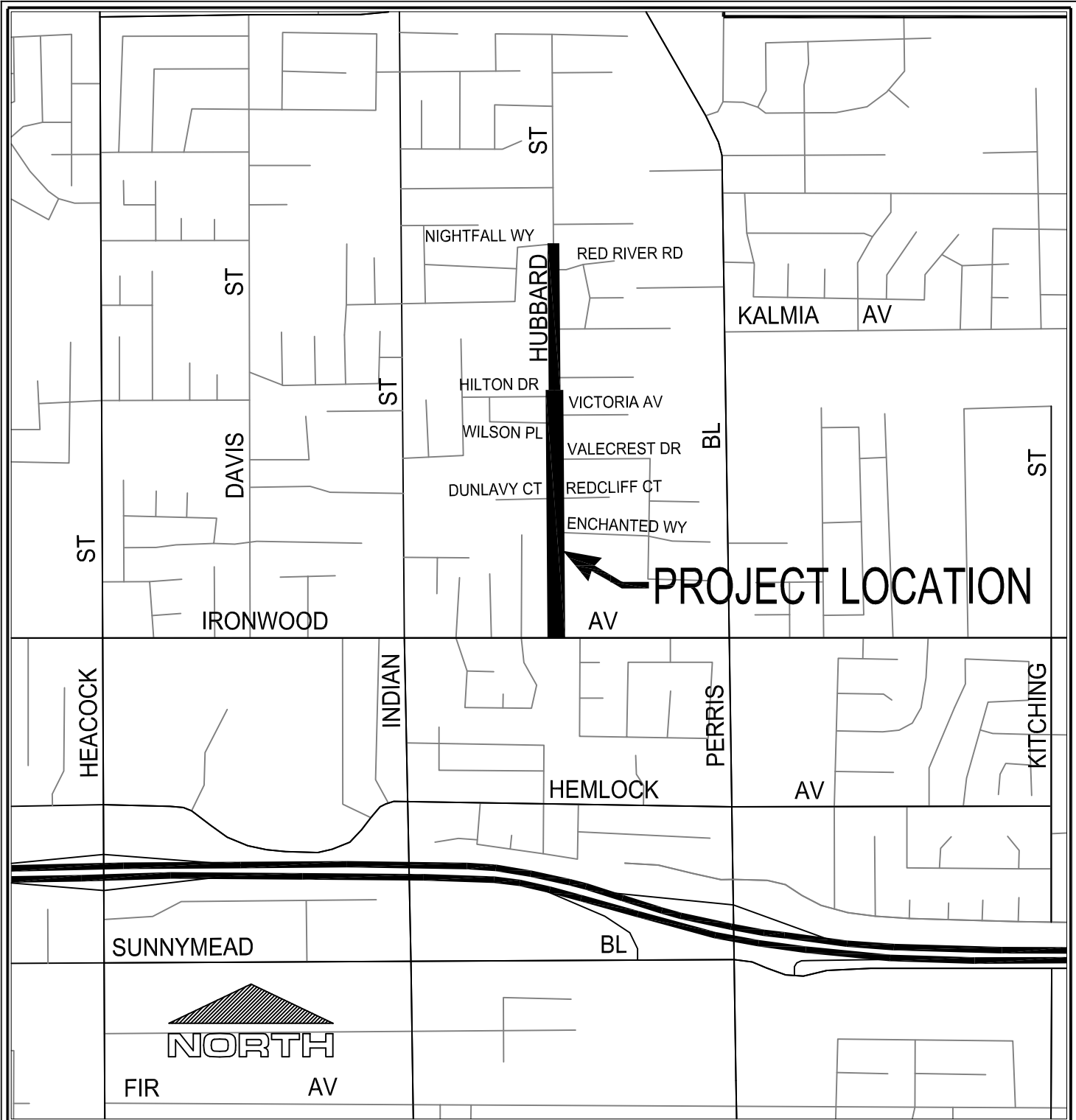
**ATTACHMENTS**

- 1. Location Map
- 2. Cooperative Agreement

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	3/02/17 1:40 PM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 9:37 AM
City Manager Approval	<u>✓ Approved</u>	3/08/17 3:35 PM





# HUBBARD STREET STORM DRAIN

LOCATION MAP  
 Public Works Department  
 Capital Projects Division

HUBBARD STREET STORM DRAIN  
 FROM IRONWOOD AVENUE TO NIGHTFALL WAY

ATTACHMENT 1

PROJECT No. 804 0010



Attachment: Location Map (2435 : APPROVE COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL AND WATER

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COOPERATIVE AGREEMENT  
Sunnymead MDP Line H-1A, Stage 3  
Project No. 4-0-00731

The Riverside County Flood Control and Water Conservation District ("DISTRICT"), and the City of Moreno Valley ("CITY"), hereby agree as follows:

RECITALS

A. CITY has budgeted for and plans to design and construct the Sunnymead MDP Line H-1A, Stage 3 ("STAGE 3"). Upon construction completion, STAGE 3 will provide necessary flood control and drainage improvements for the immediate adjacent areas located in the City of Moreno Valley; and

B. STAGE 3 as identified in DISTRICT'S Sunnymead Master Drainage Plan ("MDP") consists of approximately 1,790 lineal feet of underground storm drain system to be constructed mostly within Hubbard Street between Ironwood Avenue to Nightfall Way, as shown in concept in red on Exhibit "A" attached hereto and made a part hereof; and

C. Associated with the construction of STAGE 3 is the construction of certain lateral storm drains that are thirty-six inches (36") or less in diameter, various catch basins, inlets and connector pipes located within CITY rights of way ("APPURTENANCES"). STAGE 3 and APPURTENANCES are hereinafter altogether called "PROJECT"; and

D. CITY desires that DISTRICT contribute funding for the design and construction of PROJECT; and

E. DISTRICT wishes to support CITY'S efforts to construct PROJECT by providing a financial contribution toward PROJECT'S design and construction costs as set forth herein; and

F. DISTRICT'S contributions shall be as follows:

- (i) One hundred percent (100%) of DISTRICT approved CITY'S engineering design proposal cost to offset CITY'S costs associated with mapping, surveying, engineering and other typical ancillary costs related to the preparation of the necessary plans and specifications to construct PROJECT ("DESIGN CONTRIBUTION"). In the event that

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CITY chooses to hire an engineering consulting firm to prepare the necessary plans and specifications to construct PROJECT, DISTRICT is also willing to contribute an additional twenty percent (20%) of the DESIGN CONTRIBUTION to offset CITY'S administrative costs associated with contract administration ("DESIGN ADMINISTRATION CONTRIBUTION"). Together, DESIGN CONTRIBUTION and DESIGN ADMINISTRATION CONTRIBUTION are hereinafter called "TOTAL DESIGN CONTRIBUTION";

- (ii) The lowest responsible bid contract price for PROJECT construction ("ORIGINAL BID"). DISTRICT is willing to contribute one hundred percent (100%) of ORIGINAL BID ("INITIAL CONSTRUCTION CONTRIBUTION"), plus an additional ten percent (10%) of the ORIGINAL BID to offset CITY'S administrative costs associated with construction contract administration and other typical ancillary costs related to the delivery of a flood control facility ("CONTRACT ADMINISTRATION CONTRIBUTION"), and up to another additional ten percent (10%) of the ORIGINAL BID to offset any construction contract change orders ("CONSTRUCTION CHANGE ORDERS CONTRIBUTION"). Together, INITIAL CONSTRUCTION CONTRIBUTION, CONTRACT ADMINISTRATION CONTRIBUTION and CONSTRUCTION CHANGE ORDERS CONTRIBUTION are hereinafter called "TOTAL CONSTRUCTION CONTRIBUTION"; and

G. Altogether, TOTAL DESIGN CONTRIBUTION and TOTAL CONSTRUCTION CONTRIBUTION are hereinafter called "DISTRICT TOTAL CONTRIBUTION". DISTRICT TOTAL CONTRIBUTION shall not exceed a total sum of one million four hundred fifty seven thousand four hundred dollars (\$1,457,400); and

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H. It is in the best interest of the public to proceed with the construction of PROJECT at the earliest possible date; and

I. The purpose of this Agreement is to memorialize the mutual understandings by and between DISTRICT and CITY with respect to funding, design, construction, inspection, ownership, operation and maintenance of PROJECT.

NOW, THEREFORE, in consideration of the preceding recitals and the mutual covenants hereinafter contained, the parties hereto mutually agree as follows:

SECTION I

CITY shall:

1. Pursuant to the California Environmental Quality Act (CEQA), act as Lead Agency and assume responsibility for preparation, circulation and adoption of all necessary and appropriate CEQA documents pertaining to the construction, operation and maintenance of PROJECT.

2. Endeavor to award a public works construction contract for PROJECT and begin construction within twenty-four (24) months of execution of this Agreement.

3. Provide DISTRICT an opportunity to review and approve PROJECT engineering design cost proposal and associated design schedule. As PROJECT design progresses, CITY shall update said design schedule as requested by DISTRICT.

4. Prepare or cause to be prepared, the necessary plans and specifications for PROJECT, hereinafter called "IMPROVEMENT PLANS", in accordance with the applicable DISTRICT and CITY standards, and submit to DISTRICT for its review and approval prior to advertising PROJECT for construction bids.

5. Prior to commencing construction, obtain, at its sole cost and expense, all necessary permits, approvals or agreements as may be required by any Federal, State and local resource or regulatory agencies pertaining to the construction, operation and maintenance of PROJECT. Such documents may include, but are not limited to, a Section 404 permit issued by the U.S. Army Corps of Engineers, a Section 401 Water Quality Certification issued by the California Regional Water Quality Control Board (CRWQCB), a Streambed Alteration

Attachment: Cooperative Agreement [Revision 1] (2435 : APPROVE COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL

1 Agreement issued by the California Department of Fish and Wildlife, and a National Pollutant  
2 Discharge Elimination System Permit issued by the State Water Resources Control Board or  
3 CRWQCB and Western Riverside County Regional Conservation Authority ("REGULATORY  
4 PERMITS").

5           6. Keep an accurate accounting of all design costs associated with the  
6 preparation of plans and specifications for PROJECT, in conformance with DISTRICT approved  
7 CITY'S engineering design cost proposal and schedule as set forth in Section I.3, and include this  
8 accounting when invoicing DISTRICT for final payment of DESIGN CONTRIBUTION and, if  
9 applicable, DESIGN ADMINISTRATION CONTRIBUTION, as set forth in Section I.9.

10           7. Invoice DISTRICT (Attention: Special Projects) for fifty percent (50%) of  
11 DESIGN CONTRIBUTION upon execution of this Agreement or upon DISTRICT'S approval of  
12 CITY'S engineering design cost proposal and schedule as set forth in Section I.3, whichever is  
13 later.

14           8. Prior to commencing PROJECT design, provide DISTRICT an opportunity  
15 to review and approve the geotechnical report.

16           9. Invoice DISTRICT (Attention: Special Projects) for remainder of DESIGN  
17 CONTRIBUTION and if applicable, DESIGN ADMINISTRATION CONTRIBUTION,  
18 following signing of IMPROVEMENT PLANS by all parties.

19           10. Obtain all necessary permits, licenses, agreements, approvals, rights of way,  
20 rights of entry and temporary construction easements as may be needed to construct, operate and  
21 maintain PROJECT.

22           11. Prior to advertising PROJECT for public works construction contract,  
23 provide DISTRICT an opportunity to review and approve all REGULATORY PERMITS and  
24 rights of way documents. DISTRICT approval of any such document(s) may be withheld when,  
25 in the sole judgment of DISTRICT'S General Manager–Chief Engineer, the said document(s)  
26 unreasonably constrains, inhibits or impairs DISTRICT'S ability to operate and maintain STAGE

27 3.  
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Attachment: Cooperative Agreement [Revision 1] (2435 : APPROVE COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL



1           12. Prior to awarding a public works construction contract for PROJECT,  
2 provide DISTRICT seven (7) calendar days following construction bid opening to review and  
3 approve or reject bids for construction of PROJECT. DISTRICT may only reject bids found by  
4 DISTRICT to be unreasonably high.

5           13. Advertise, award and administer a public works construction contract for  
6 PROJECT at its sole cost and expense.

7           14. Provide DISTRICT with written notice (Attention: Contract Administration  
8 Section) that CITY has awarded a public works construction contract for PROJECT. The written  
9 notice shall include the Contractor's actual bid amounts for PROJECT, setting forth herein  
10 ORIGINAL BID amount.

11           15. Prior to commencing PROJECT construction, furnish DISTRICT with final  
12 mylar PROJECT plans and assign ownership of PROJECT plans to DISTRICT.

13           16. Invoice DISTRICT (Attention: Special Projects) for the payment of  
14 INITIAL CONSTRUCTION CONTRIBUTION at the time of providing written notice of the  
15 award of a construction contract as set forth in Section I.14.

16           17. Prior to commencing PROJECT construction, schedule and conduct a  
17 mandatory pre-construction meeting between CITY, CITY'S construction manager, CITY'S  
18 construction contractor(s), DISTRICT and other affected entities. CITY shall notify DISTRICT  
19 (Attention: Special Permits) in writing at least twenty (20) days prior to conducting the pre-  
20 construction meeting.

21           18. Furnish DISTRICT, at the time of providing written notice of intent to start  
22 construction as set forth in Section I.17, with a construction schedule which shall show the order  
23 and dates in which CITY or CITY'S contractor proposes to carry on the various parts of work,  
24 including estimated start and completion dates.

25           19. Construct or cause to be constructed, PROJECT pursuant to a CITY  
26 administered public works construction contract, in accordance with IMPROVEMENT PLANS  
27 approved by DISTRICT and CITY, and pay all costs associated therewith.  
28

1           20. Inspect PROJECT construction or cause PROJECT'S construction to be  
 2 inspected by its construction manager and pay all costs associated therewith. In the event CITY  
 3 wishes to utilize DISTRICT's construction inspection, materials testing and construction survey  
 4 services, CITY shall provide DISTRICT with written notice (Attn: Special Projects) requesting  
 5 such services. However, CITY will continue to serve as construction contract manager.

6           21. Furnish, or cause its construction manager to furnish, all construction survey  
 7 and materials testing services necessary to ensure PROJECT construction is accomplished in  
 8 accordance with DISTRICT and CITY approved IMPROVEMENT PLANS.

9           22. Grant DISTRICT, by execution of this Agreement, the right to enter upon  
 10 property owned or controlled by CITY where necessary and convenient for the purpose of gaining  
 11 access to, and performing inspection service for, the construction of PROJECT.

12           23. Order the relocation of all other utilities installed by permit or franchise  
 13 within CITY rights of way which conflict with the construction of PROJECT and which must be  
 14 relocated at the utility company's expense.

15           24. Not permit any change to, or modification of, DISTRICT and CITY  
 16 approved IMPROVEMENT PLANS that would result in a change of functionality or  
 17 maintainability of PROJECT without DISTRICT'S prior written permission and consent. Failure  
 18 to do so shall be deemed a material breach of this Agreement and shall authorize and constitute  
 19 authority for DISTRICT, at its sole discretion, to provide written notice to CITY that DISTRICT  
 20 is unable to: a) perform its obligations hereunder, and b) to accept responsibility for ownership,  
 21 operation and maintenance of STAGE 3 due, either in whole or in part, to said breach of this  
 22 Agreement.

23           25. CITY'S construction contractor(s) shall not commence operations until  
 24 DISTRICT has been furnished with original certificate(s) of insurance and original certified  
 25 copies of endorsements and if requested, certified original policies of insurance including all  
 26 endorsements and any and all other attachments as required in this Section.

27                       Without limiting or diminishing CITY'S construction contractor(s)  
 28 obligation to indemnify or hold DISTRICT harmless, CITY'S construction contractor(s) shall

Attachment: Cooperative Agreement [Revision 1] (2435 : APPROVE COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL

1 procure and maintain or cause to be maintained, at its sole cost and expense, the following  
2 insurance coverage's during the term of this Agreement:

3 A. Workers' Compensation:

4 If CITY'S construction contractor(s) has employees as defined by the  
5 State of California, CITY'S construction contractor(s) shall maintain  
6 statutory Workers' Compensation Insurance (Coverage A) as prescribed  
7 by the laws of the State of California. Policy shall include Employers'  
8 Liability (Coverage B) including Occupational Disease with limits not  
9 less than \$1,000,000 per person per accident. Policy shall be endorsed  
10 to waive subrogation in favor of DISTRICT and the County of  
11 Riverside.

12 B. Commercial General Liability:

13 Commercial General Liability insurance coverage, including but not  
14 limited to, premises liability, unmodified contractual liability, products  
15 and completed operations liability, personal and advertising injury, and  
16 cross liability coverage, covering claims which may arise from or out of  
17 CITY'S construction contractor(s) performance of its obligations  
18 hereunder. Policy shall name DISTRICT, the County of Riverside, its  
19 agencies, districts, special districts, and departments, their respective  
20 directors, officers, Board of Supervisors, employees, elected or  
21 appointed officials, agents or representatives as additional insureds.  
22 Policy's limit of liability shall not be less than \$2,000,000 per occurrence  
23 combined single limit. If such insurance contains a general aggregate  
24 limit, it shall apply separately to this Agreement or be no less than two  
25 (2) times the occurrence limit.

26 C. Vehicle Liability:

27 If CITY'S construction contractor(s) vehicles or mobile equipment are  
28 used in the performance of the obligations under this Agreement, then

Attachment: Cooperative Agreement [Revision 1] (2435 : APPROVE COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL

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CITY'S construction contractor(s) shall maintain liability insurance for all owned, non-owned or hired vehicles so used in an amount not less than \$1,000,000 per occurrence combined single limit. If such insurance contains a general aggregate limit, it shall apply separately to this Agreement or be no less than two (2) times the occurrence limit. Policy shall name DISTRICT, the County of Riverside, its agencies, districts, special districts, and departments, their respective directors, officers, Board of Supervisors, employees, elected or appointed officials, agents or representatives as additional insureds.

D. Professional Liability:

CITY'S construction contractor(s) shall maintain Professional Liability Insurance providing coverage for CITY'S construction contractor(s) performance of work included within this Agreement, with a limit of liability of not less than \$2,000,000 per occurrence and \$4,000,000 annual aggregate. If CITY'S construction contractor(s) Professional Liability Insurance is written on a claims made basis rather than an occurrence basis, such insurance shall continue through the term of this Agreement and CITY'S construction contractor(s) shall purchase at his sole expense either 1) an Extended Reporting Endorsement (also known as Tail Coverage); or 2) Prior Dates Coverage from a new insurer with a retroactive date back to the date of, or prior to, the inception of this Agreement; or 3) demonstrate through Certificates of Insurance that CITY'S construction contractor has maintained continuous coverage with the same or original insurer. Coverage provided under items: 1), 2) or 3) will continue as long as the law allows.

E. General Insurance Provisions – All Lines:

- i. Any insurance carrier providing insurance coverage hereunder shall be admitted to the State of California and have an A.M.

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BEST rating of not less than an A: VIII (A: 8) unless such requirements are waived, in writing, by the County Risk Manager. If the County Risk Manager waives a requirement for a particular insurer such waiver is only valid for that specific insurer and only for one policy term.

ii. CITY'S construction contractor(s) must declare its insurance self-insured retention for each coverage required herein. If any such self-insured retention exceeds \$500,000 per occurrence each such retention shall have the prior written consent of the County Risk Manager before the commencement of operations under this Agreement. Upon notification of self-insured retention deemed unacceptable to DISTRICT, and at the election of the County Risk Manager, CITY'S construction contractor(s) carriers shall either: 1) reduce or eliminate such self-insured retention with respect to this Agreement with DISTRICT, or 2) procure a bond which guarantees payment of losses and related investigations, claims administration, and defense costs and expenses.

iii. CITY'S construction contractor(s) shall cause their insurance carrier(s) to furnish DISTRICT with 1) a properly executed original certificate(s) of insurance and certified original copies of endorsements effecting coverage as required herein; and 2) if requested to do so orally or in writing by the County Risk Manager, provide original certified copies of policies including all endorsements and all attachments thereto, showing such insurance is in full force and effect. Further, said certificate(s) and policies of insurance shall contain the covenant of the insurance carrier(s) that a minimum of thirty (30) days written notice shall be given to DISTRICT prior to any material



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modification, cancellation, expiration or reduction in coverage of such insurance. If CITY'S construction contractor(s) insurance carrier(s) policies does not meet the minimum notice requirement found herein, CITY'S construction contractor(s) shall cause CITY'S construction contractor(s) insurance carrier(s) to furnish a 30 day Notice of Cancellation Endorsement. In the event of a material modification, cancellation, expiration or reduction in coverage, this Agreement shall terminate forthwith, unless DISTRICT receives, prior to such effective date, another properly executed original certificate of insurance and original copies of endorsements or certified original policies, including all endorsements and attachments thereto, evidencing coverages set forth herein and the insurance required herein is in full force and effect. An individual authorized by the insurance carrier to do so on its behalf shall sign the original endorsements for each policy and the certificate of insurance.

iv. It is understood and agreed by the parties hereto that CITY'S construction contractor(s) insurance shall be construed as primary insurance, and DISTRICT'S insurance and/or deductibles and/or self-insured retentions or self-insured programs shall not be construed as contributory.

v. If, during the term of this Agreement or any extension thereof, there is a material change in the scope of services or there is a material change in the equipment to be used in the performance of the scope of work which will add additional exposures (such as the use of aircraft, watercraft, cranes, etc.); or the term of this Agreement, including any extensions thereof, exceeds five (5) years, DISTRICT reserves the right to adjust the types of

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insurance required under this Agreement and the monetary limits of liability for the insurance coverages currently required herein, if, in the County Risk Manager's reasonable judgment, the amount or type of insurance carried by CITY'S construction contractor(s) has become inadequate.

vi. CITY'S construction contractor(s) shall pass down the insurance obligations contained herein to all tiers of subcontractors working under this Agreement.

vii. The insurance requirements contained in this Agreement may be met with a program(s) of self-insurance acceptable to DISTRICT.

viii. CITY'S construction contractor(s) agrees to notify DISTRICT of any claim by a third party or any incident or event that may give rise to a claim arising from the performance of this Agreement.

Prior to CITY issuing a Notice to Proceed to its construction contractor(s) to begin construction of PROJECT, an original certificate of insurance evidencing the required insurance coverage shall be provided to DISTRICT.

26. Require its construction contractor(s) to comply with all Cal/OSHA safety regulations including regulations concerning confined space and maintain a safe working environment for all CITY and DISTRICT employees on the site.

27. Require its construction contractor(s) to furnish DISTRICT (Attention: Contract Administration Section) with a confined space procedure specific to PROJECT. The procedure shall comply with requirements contained in California Code of Regulations, Title 8, Section 5158, Other Confined Space Operations, Section 5157, Permit Required Confined Space and District confined Space Procedures, SOM-18. The procedure shall be provided to DISTRICT no less than twenty (20) days prior to requesting that DISTRICT perform a final inspection for acceptance of PROJECT. The procedure shall be reviewed and approved by DISTRICT prior to conducting the final inspection.

1           28. Assume ownership and sole responsibility for the operation and maintenance  
 2 of PROJECT until such time as DISTRICT accepts ownership and responsibility for the operation  
 3 and maintenance of STAGE 3 and CITY continues to accept ownership and sole responsibility  
 4 for the operation and maintenance of APPURTENANCES as set forth herein.

5           29. Within two (2) weeks of completing PROJECT construction, provide  
 6 DISTRICT with written notice (Attention: Contract Administration Section) that PROJECT  
 7 construction is substantially complete and requesting that DISTRICT conduct a final inspection  
 8 of STAGE 3.

9           30. Upon completion of PROJECT construction and settlement of any  
 10 outstanding claims, provide DISTRICT with a copy of CITY'S recorded Notice of Completion.

11           31. Upon completion of PROJECT construction but prior to DISTRICT'S  
 12 acceptance of STAGE 3 for ownership, operation and maintenance, provide or cause its  
 13 construction manager to provide DISTRICT with appropriate engineering documentation  
 14 necessary to establish that STAGE 3 was constructed in accordance with DISTRICT and CITY  
 15 approved IMPROVEMENT PLANS.

16           32. Upon completion of PROJECT construction but prior to DISTRICT'S  
 17 acceptance of STAGE 3 for ownership, operation and maintenance, provide or cause its civil  
 18 engineer of record or construction civil engineer of record, duly registered in the State of  
 19 California, to provide DISTRICT with redlined "record drawings" of PROJECT plans. After  
 20 DISTRICT approval of the redlined "record drawings", CITY'S engineer shall schedule with  
 21 DISTRICT a time to transfer the redlined changes into DISTRICT'S original mylars at  
 22 DISTRICT'S office, after which the engineer shall review, stamp and sign mylars "record  
 23 drawings".

24           33. Keep an accurate accounting of all PROJECT construction costs and include  
 25 this final accounting when invoicing DISTRICT for CONTRACT ADMINISTRATION  
 26 CONTRIBUTION and CONSTRUCTION CHANGE ORDERS CONTRIBUTION as set forth  
 27 in Section I.35. The final accounting of construction costs shall include a detailed breakdown of  
 28 all costs, including but not limited to CITY'S costs associated with administering the construction

Attachment: Cooperative Agreement [Revision 1] (2435 : APPROVE COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL

1 contract, payment vouchers, DISTRICT approved change orders and other such construction  
2 contract documents as may be necessary, to establish the actual cost of construction and its  
3 associated CITY'S contract administration cost for DISTRICT and CITY approved  
4 IMPROVEMENT PLANS.

5 34. Upon completion of PROJECT construction but prior to DISTRICT  
6 acceptance of STAGE 3 for ownership, operation and maintenance, convey, or cause to be  
7 conveyed, to DISTRICT all rights of way and easements deemed necessary by DISTRICT for the  
8 operation and maintenance of STAGE 3.

9 35. Upon DISTRICT acceptance of STAGE 3 for ownership, operation and  
10 maintenance, invoice DISTRICT (Attention: Special Projects) for the remainder payment of  
11 TOTAL CONSTRUCTION CONTRIBUTION as follows: i) ten percent (10%) of ORIGINAL  
12 BID as set forth in Section I.14 for CONTRACT ADMINISTRATION CONTRIBUTION, and  
13 ii) up to another additional ten percent (10%) of ORIGINAL BID for CONSTRUCTION  
14 CHANGE ORDERS CONTRIBUTION provided, however, that DISTRICT TOTAL  
15 CONTRIBUTION shall not exceed one million four hundred fifty seven thousand four hundred  
16 dollars (\$1,457,400).

17 36. Upon DISTRICT acceptance of PROJECT construction as being complete,  
18 accept sole responsibility for the adjustment of all PROJECT manhole rings and covers located  
19 within CITY rights of way which must be performed at such time(s) that the finished grade along  
20 and above the underground portions of PROJECT are improved, repaired, replaced or changed.  
21 It being further understood and agreed that any such adjustments shall be performed at no cost to  
22 DISTRICT.

23 SECTION II

24 DISTRICT shall:

- 25 1. Act as a Responsible Agency under CEQA, taking all necessary and
- 26 appropriate action to comply with CEQA.
- 27 2. Review and approve CITY'S PROJECT engineering design cost proposal
- 28 and associated design schedule.

Attachment: Cooperative Agreement [Revision 1] (2435 : APPROVE COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL

- 1                   3.    Review and approve CITY'S geotechnical report prior to CITY commencing  
2 PROJECT design.
- 3                   4.    Pay CITY, within thirty (30) days after receipt of CITY'S appropriate invoice  
4 for DESIGN CONTRIBUTION as set forth in Section I.7.
- 5                   5.    Review and approve IMPROVEMENT PLANS prior to CITY'S advertising  
6 PROJECT for construction bids.
- 7                   6.    Pay CITY, within thirty (30) days after receipt of CITY'S appropriate  
8 invoice, for remainder of DESIGN CONTRIBUTION and if applicable, DESIGN  
9 ADMINISTRATION CONTRIBUTION, as set forth in Sections I.6 and I.9.
- 10                  7.    Review and approve, as appropriate, all necessary REGULATORY  
11 PERMITS and rights of way documents prior to CITY advertising PROJECT for bids.  
12 DISTRICT may withhold approval of any such document(s) when, in the sole judgment of  
13 DISTRICT'S General Manager – Chief Engineer, the said document(s) unreasonably constrains,  
14 inhibits or impairs DISTRICT'S ability to operate and maintain STAGE 3.
- 15                  8.    Within seven (7) calendar days following CITY'S public works construction  
16 bid opening, review and approve or reject bids for construction of PROJECT. DISTRICT may  
17 only reject bids found by DISTRICT to be unreasonably high. DISTRICT shall not unreasonably  
18 withhold approval of contract.
- 19                  9.    Pay CITY, within thirty (30) days after receipt of CITY'S appropriate invoice  
20 for INITIAL CONSTRUCTION CONTRIBUTION as set forth in Section I.16.
- 21                  10.   Within thirty (30) days of CITY awarding PROJECT construction contract,  
22 pay Riverside Conservation Agency (RCA) the costs associated with the Multi Species Habitat  
23 Conservation Plan ("MSHCP"), which is either the lesser of three percent (3%) of the lowest BID  
24 PRICE or three percent (3%) of the contract BID PRICE, less the value of the applicable project  
25 specific mitigation.
- 26                  11.   Conduct periodic inspections of STAGE 3 construction for quality control  
27 purposes at its sole cost and provide any comments to CITY'S designated PROJECT construction  
28 inspector.

Attachment: Cooperative Agreement [Revision 1] (2435 : APPROVE COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL





1 DISTRICT to accept any portion of PROJECT for ownership, operation or maintenance until  
2 PROJECT construction is deemed fully complete and all necessary rights of way have been  
3 conveyed as set forth herein.

4 3. DISTRICT personnel may observe and inspect all work being done on  
5 PROJECT but shall provide any comments to CITY personnel, or its construction manager, who  
6 shall be solely responsible for all communications with CITY'S construction contractor(s).

7 4. Prior to DISTRICT acceptance of ownership and responsibility for the  
8 operation and maintenance of STAGE 3, STAGE 3 shall be in a satisfactorily maintained  
9 condition as solely determined by DISTRICT. If, in the sole discretion of DISTRICT, STAGE 3  
10 is not in an acceptable condition, corrections will be made at sole expense of CITY.

11 5. CITY shall indemnify, defend, save and hold harmless DISTRICT and  
12 County of Riverside (including their respective officers, districts, special districts and  
13 departments, their respective directors, officers, Board of Supervisors, elected and appointed  
14 officials, employees, agents, representatives, independent contractors, and subcontractors) from  
15 any liabilities, claim, damage, proceeding or action, present or future, based upon, arising out of  
16 or in any way relating to CITY'S (including its officers, employees, agents, representatives,  
17 independent contractors, and subcontractors) actual or alleged acts or omissions related to this  
18 Agreement, performance under this Agreement, or failure to comply with the requirements of this  
19 Agreement, including but not limited to: (a) property damage; (b) bodily injury or death (c)  
20 payment of attorney's fees; or (d) any other element of any kind or nature whatsoever.

21 6. DISTRICT shall indemnify, defend, save and hold harmless CITY (including  
22 its officers, employees, agents, representatives, independent contractors, and subcontractors) from  
23 any liabilities, claim, damage, proceeding or action, present or future, based upon, arising out of  
24 or in any way relating to DISTRICT'S (including its officers, Board of Supervisors, elected and  
25 appointed officials, employees, agents, representatives, independent contractors, and  
26 subcontractors) actual or alleged acts or omissions related to this Agreement, performance under  
27 this Agreement, or failure to comply with the requirements of this Agreement, including but not  
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1 limited to: (a) property damage; (b) bodily injury or death; (c) payment of attorney's fees; or (d)  
2 any other element of any kind or nature whatsoever.

3 7. Any waiver by DISTRICT or by CITY of any breach of any one or more of  
4 the terms of this Agreement shall not be construed to be a waiver of any subsequent or other  
5 breach of the same or of any other term hereof. Failure on the part of DISTRICT or CITY to  
6 require exact, full and complete compliance with any terms of this Agreement shall not be  
7 construed as in any manner changing the terms hereof, or estopping DISTRICT or CITY from  
8 enforcement hereof.

9 8. This Agreement is to be construed in accordance with the laws of the State  
10 of California.

11 9. Any and all notices sent or required to be sent to the parties of this  
12 Agreement will be mailed by first class mail, postage prepaid, to the following addresses:

13 RIVERSIDE COUNTY FLOOD CONTROL  
14 AND WATER CONSERVATION DISTRICT  
15 1995 Market Street  
16 Riverside, CA 92501  
Attn: Special Projects Section

CITY OF MORENO VALLEY  
14177 Frederick Street  
Moreno Valley, CA 92552  
Attn: Henry Ngo  
Public Works Department

17 10. If any provision in this Agreement is held by a court of competent  
18 jurisdiction to be invalid, void or unenforceable, the remaining provisions will nevertheless  
19 continue in full force without being impaired or invalidated in any way.

20 11. This Agreement is the result of negotiations between the parties hereto, and  
21 the advice and assistance of their respective counsel. The fact that this Agreement was prepared  
22 as a matter of convenience by DISTRICT shall have no import or significance. Any uncertainty  
23 or ambiguity in this Agreement shall not be construed against DISTRICT because DISTRICT  
24 prepared this Agreement in its final form.

25 12. This Agreement is made and entered into for the sole protection and benefit  
26 of the parties hereto. No other person or entity shall have any right or action based upon the  
27 provisions of this Agreement.

28 13. Any action at law or in equity brought by any of the parties hereto for the  
purpose of enforcing a right or rights provided for by the Agreement, shall be tried in a court of

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competent jurisdiction in the County of Riverside, State of California, and the parties hereto waive all provisions of law providing for a change of venue in such proceedings to any other county.

14. DISTRICT and CITY each pledge to cooperate in regard to the operation and maintenance of their respective facility as set forth herein and to discharge their respective maintenance responsibilities in an expeditious fashion so as to avoid the creation of any nuisance condition or undue maintenance impact upon the others' facility.

15. Time is of the essence in prosecuting the work contemplated under this Agreement. At any time during the term of this Agreement, DISTRICT may terminate this Agreement for cause, including but not limited to CITY'S failure to prosecute the work in a timely manner, upon providing CITY thirty (30) days written notice stating the extent and effective date of termination.

16. The obligation(s) of DISTRICT are limited by and contingent upon the availability of DISTRICT funds for DISTRICT'S financial contribution towards the PROJECT as set forth herein. In the event that such funds are not forthcoming for any reason, DISTRICT shall immediately notify CITY in writing.

17. This Agreement is intended by the parties hereto as a final expression of their understanding with respect to the subject matter hereof and as a complete and exclusive statement of the terms and conditions thereof and supersedes any and all prior and contemporaneous agreements and understandings, oral and written, in connection therewith. This Agreement may be changed or modified only upon the written consent of the parties hereto.

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Attachment: Cooperative Agreement [Revision 1] (2435 : APPROVE COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL

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IN WITNESS WHEREOF, the parties hereto have executed this Agreement on

(to be filled in by Clerk of the Board)

RECOMMENDED FOR APPROVAL:

**RIVERSIDE COUNTY FLOOD CONTROL  
AND WATER CONSERVATION DISTRICT**

By \_\_\_\_\_  
JASON E. UHLEY  
General Manager-Chief Engineer

By \_\_\_\_\_  
MARION ASHLEY, Chairman  
Riverside County Flood Control and Water  
Conservation District Board of Supervisors

APPROVED AS TO FORM:

ATTEST:

GREGORY P. PRIAMOS  
County Counsel

KECIA HARPER-IHEM  
Clerk of the Board

By \_\_\_\_\_  
NEAL R. KIPNIS  
Deputy County Counsel

By \_\_\_\_\_  
Deputy

(SEAL)

Cooperative Agreement: City of Moreno Valley  
Sunnymead MDP Line H-1A, Stage 3  
Project No. 4-0-00731  
02/01/17  
AMR:blm

Attachment: Cooperative Agreement [Revision 1] (2435 : APPROVE COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL



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RECOMMENDED FOR APPROVAL: CITY OF MORENO VALLEY

By \_\_\_\_\_  
AHMAD R. ANSARI  
Public Works Director/City Engineer

By \_\_\_\_\_  
MICHELLE DAWSON  
City Manager

APPROVED AS TO FORM:  
MARTIN D. KOCZANOWICZ  
City Attorney

ATTEST:

By \_\_\_\_\_  
PAUL EARLY  
Assistant City Attorney

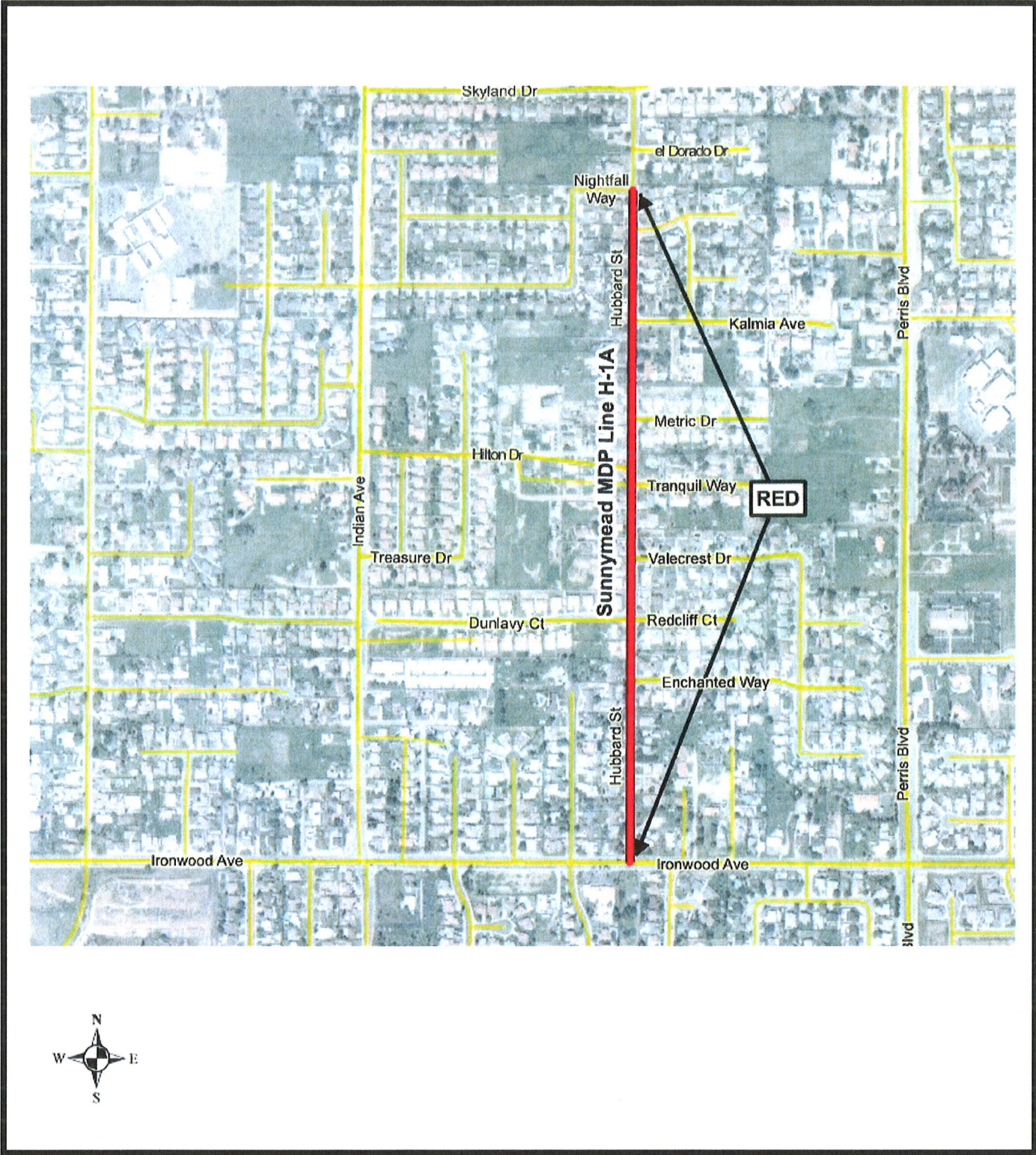
By \_\_\_\_\_  
MARIE MACIAS  
Interim City Clerk

(SEAL)

Cooperative Agreement: City of Moreno Valley  
Sunnymead MDP Line H-1A, Stage 3  
Project No. 4-0-00731  
02/01/17  
AMR:blm

Attachment: Cooperative Agreement [Revision 1] (2435 : APPROVE COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL

# Exhibit A



COOPERATIVE AGREEMENT  
 Sunnymead MDP Line H-1A, Stage 3  
 Project No. 4-0-00731  
 Page 1 of 1

Attachment: Cooperative Agreement [Revision 1] (2435 : APPROVE COOPERATIVE AGREEMENT WITH RIVERSIDE COUNTY FLOOD CONTROL



## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** March 21, 2017

**TITLE:** AUTHORIZATION TO AWARD CONSTRUCTION CONTRACT TO FS CONTRACTORS, INC. FOR THE CYCLE 7 CITYWIDE PEDESTRIAN AND BICYCLE ENHANCEMENT PROJECT NO. 801 0068

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### **RECOMMENDED ACTION**

#### **Recommendations:**

1. Award a construction contract to FS Contractors, Inc., 14838 Bledsoe Street, Sylmar, CA 91342, the lowest responsible bidder, for the Cycle 7 Citywide Pedestrian and Bicycle Enhancement.
2. Authorize the City Manager to execute a contract with FS Contractors, Inc.
3. Authorize the issuance of a Purchase Order for FS Contractors, Inc., in the amount of \$113,344 (\$98,560 bid amount plus 15% contingency) when the contract has been signed by all parties.
4. Authorize the Public Works Director/City Engineer to execute any subsequent related minor change orders to the contract with FS Contractors, Inc. up to, but not exceeding, the contingency amount of \$14,784 subject to the approval of the City Attorney.

### **SUMMARY**

This report recommends approval of a contract with FS Contractors, Inc. for the construction of the Cycle 7 Citywide Pedestrian and Bicycle Enhancement project. This project is funded with Southern California Association of Governments (SCAG) Article 3 fund. This project is included in the adopted Fiscal Year (FY) 2016/2017 Capital Improvement Plan (CIP).

**DISCUSSION**

On November 24, 2015, the City Council accepted a grant award of \$315,000 in SB 821 (Senate Bill) Bicycle and Pedestrian Facilities Program grant funds for the design and construction of the Citywide pedestrian and bicycle enhancement project and authorized a revenue appropriation of \$315,000 and an expense appropriation of \$315,000 in the SCAG Article 3 Fund (Fund 2800) for the design and construction of the Citywide pedestrian and bicycle enhancement project. This project design includes sidewalks, curbs, gutters, Americans with Disabilities Act (ADA) compliant access ramps, and bicycle lanes. The design and bidding documents were completed in January 2017 by GHD, Inc. As identified in the bidding documents, the scope of work was categorized to include the Base Bid and Alternate Bid in order to maximize the utilization of the available budgeted funds. The Base Bid includes twelve (12) access ramps at four intersections: Elsworth Street at Juan Bautista de Anza Trail, Dracaea Avenue at Alexis Drive, Pigeon Pass Road at Sunnymead Ranch Parkway, and Dracaea Avenue at Arbor Park Lane.

The Alternate Bid includes improvements on Alessandro Boulevard (south side) from 300 feet east of Perris Boulevard to Apple Blossom Lane, Perris Boulevard (east side) from 600 feet south of Alessandro Boulevard to Brodiaea Avenue, Brodiaea Avenue (north side) from Perris Boulevard to 600 feet west of Perris Boulevard, and Class II Bicycle Lanes on Alessandro Boulevard from Perris Boulevard to Kitching Street.

The Planning Division of the Community Development Department determined on August 04, 2016 that this project qualifies as Class I Categorical Exemption as defined in Section 15301c of the California Environmental Quality Act (CEQA) and Sections 4.1.B.1.b and g of the City’s Rules and Procedures for the Implementation of CEQA.

The project was advertised for construction in January 2017 and formal bidding procedures were followed in conformance with the Public Contract Code. Bids were received via the electronic bid management system, Planet Bids on February 2, 2017. Five bids were received as follows:

<u>CONTRACTORS</u>	<u>Base Bid</u>	<u>Alternate</u>	<u>Total Bid</u>
1. <b>FS Contractors, Inc., Sylmar</b>	<b>\$98,560</b>	\$385,605	\$484,165
2. All American Asphalt, Corona	\$151,221	\$446,320	\$597,541
3. Hillcrest Contracting, Inc., Corona	\$252,768	\$373,524	\$626,292
4. L.C. Paving & Sealing Inc., San Marcos	\$129,543	\$539,983	\$669,526
5. EBS General Engineering, Inc., Corona	\$163,675	\$643,599	\$807,274

The lowest responsible bidder was determined by comparing the cumulative total for all bid items as stipulated in the Bidding Documents. Staff has reviewed the bid FS Contractors, Inc. and finds it to be the lowest responsible bidder in possession of a valid license and bid bond. No outstanding issues were identified through review of the references submitted by FS Contractors, Inc. in their bid.



Following the bid opening, staff reviewed the bids and available funding and is recommending the award of the construction contract for Base Bid only in the amount of \$98,560 to FS Contractors, Inc. Staff is recommending issuance of a Purchase Order for \$113,344 which includes a 15% contingency. A contingency of 15% of the bid amount (\$14,784) is recommended to account for any latent or unforeseen circumstances encountered during construction. Unforeseen conditions may include unsuitable soils or hazardous wastes which need to be properly processed and removed. There also may be other conflicting utility appurtenances that will have to be addressed during project construction.

Approval of the recommended actions would support Objective 4 of the *Momentum MoVal* Strategic Plan: "Manage and maximize Moreno Valley's public infrastructure to ensure an excellent quality of life, develop and implement innovative, cost effective infrastructure maintenance programs, public facilities management strategies, and capital improvement programming and project delivery."

**ALTERNATIVES**

1. Approve and authorize the recommended actions as presented in this staff report. *This alternative will allow the City to construct the access ramps in compliance with ADA requirements and receive the SB 821 Bicycle and Pedestrian Facilities Program reimbursement for the project.*
2. Do not approve and authorize the recommended actions as presented in this staff report. *This alternative will delay the installation of the improvements and will prohibit the City from receiving SB 821 Bicycle and Pedestrian Facilities Program reimbursement for this project.*

**FISCAL IMPACT**

The SB 821 Bicycle and Pedestrian Facilities Program, administered by Riverside County Transportation Commission (RCTC), provides funding for sidewalks, bicycle lanes, access ramps, and pedestrian related enhancements. Eligible expenditures for this competitive grant program are limited to engineering design, right of way acquisition, and construction. The SB 821 will provide for reimbursement of up to \$315,000. SCAG Article 3 fund (Fund 2800) is restricted to transportation related capital improvements. **There is no impact to the General Fund.**

**AVAILABLE FUNDS IN FISCAL YEAR 2016-2017:**

(Account No. 2800-70-77-80001)	
(Project No. 801 0068) .....	<u>\$282,000</u>
Total .....	\$282,000

**ESTIMATED PROJECT COSTS:**

Design/Right-of-Way .....	\$95,000
Construction .....	\$113,000
Construction Geotechnical Services.....	\$25,000



Construction Survey Services .....	\$25,000
Project Administration and Inspection* .....	\$15,000
Total .....	\$273,000

*\*Project management and inspection will be provided by City staff.*

**ANTICIPATED PROJECT SCHEDULE:**

Notice to Proceed with Construction ..... March 2017  
 Complete Construction.....June 2017

**NOTIFICATION**

All utilities, adjacent property owners, business owners, law enforcement, fire department, and other emergency services responders in the area will be notified in a timely manner prior to the start of construction work.

**PREPARATION OF STAFF REPORT**

Prepared By:  
Henry Ngo, P.E.  
Senior Engineer

Department Head Approval:  
Ahmad R. Ansari, P.E.  
Public Works Director/City Engineer

Concurred By:  
Margery A. Lazarus, P.E.  
Interim Capital Projects Division Manager/Assistant City Engineer

**CITY COUNCIL GOALS**

**Public Safety.** Provide a safe and secure environment for people and property in the community, control the number and severity of fire and hazardous material incidents, and provide protection for citizens who live, work and visit the City of Moreno Valley.

**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

**Community Image, Neighborhood Pride and Cleanliness.** Promote a sense of community pride and foster an excellent image about our City by developing and executing programs which will result in quality development, enhanced neighborhood preservation efforts, including home rehabilitation and neighborhood restoration.

**CITY COUNCIL STRATEGIC PRIORITIES**

1. Economic Development
2. Public Safety
3. Library
4. Infrastructure
5. Beautification, Community Engagement, and Quality of Life
6. Youth Programs

**ATTACHMENTS**

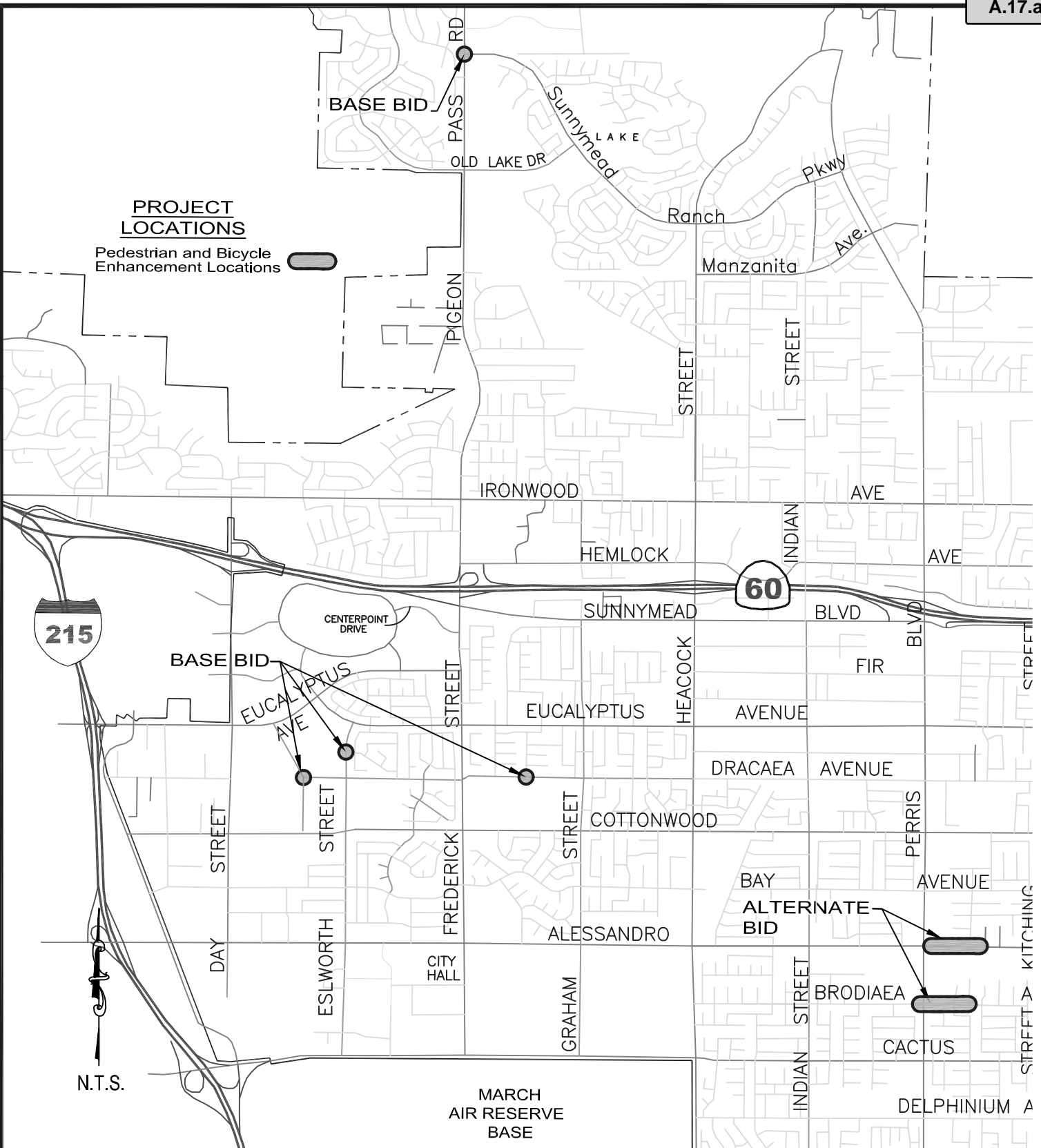
- 1. Location Map
- 2. Agreement

**APPROVALS**

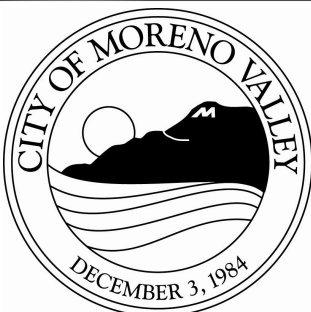
Budget Officer Approval	<u>✓ Approved</u>	2/28/17 12:49 PM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 9:27 AM
City Manager Approval	<u>✓ Approved</u>	3/08/17 3:34 PM

**PROJECT LOCATIONS**

Pedestrian and Bicycle Enhancement Locations



Attachment: Location Map (2424 : AUTHORIZATION TO AWARD CONSTRUCTION CONTRACT TO FS CONTRACTORS, INC. FOR THE CYCLE 7



# LOCATION MAP

Public Works Department  
Capital Projects Division

Scale: None

ATTACHMENT I

**PROJECT No 801 0068 70 77  
CYCLE 7 CITYWIDE PEDESTRIAN  
AND BICYCLE ENHANCEMENTS**

F:\PROJECTS\HN-801\_0068-CYCLE 7\_SB824\_FY18\CAD\LOCATION MAP\ATTACHMENT I\LOCATION MAP.DWG

Agreement No. \_\_\_\_\_

**AGREEMENT**

**PROJECT NO. 801 0068  
Cycle 7 Citywide Pedestrian and  
Bicycle Facility Enhancements**

THIS Agreement, effective as of the date signed by the City of Moreno Valley by and between the City of Moreno Valley, a municipal corporation, County of Riverside, State of California, hereinafter called the "City" and **FS Contractors, Inc.**, hereinafter called the "Contractor."

That the City and the Contractor for the consideration hereinafter named, agree as follows:

**1. CONTRACT DOCUMENTS.** The Contract Documents consist of the following, which are incorporated herein by this reference:

- A. Governmental approvals, including, but not limited to, permits required for the Work
- B. Any and all Contract Change Orders issued after execution of this Agreement
- C. This Agreement
- D. Addenda No.   1   inclusive, issued prior to the opening of the Bids
- E. City Special Provisions, including the General Provisions and Technical Provisions
- F. Standard Specifications for Public Works Construction ("Greenbook") – latest edition in effect at the Bid Deadline, as modified by the City Special Provisions
- G. Reference Specifications/Reference Documents other than those listed in paragraph 2, below
- H. Project Plans
- I. City Standard Plans
- J. Caltrans Standard Plans
- K. EMWD Standards
- L. The bound Bidding Documents
- M. Contractor's Certificates of Insurance and Additional Insured Endorsements
- N. Contractor's Bidder's Proposal and Subcontractor Listing

In the event of conflict between any of the Contract Documents, the provisions placing a more stringent requirement on the Contractor shall prevail. The Contractor shall provide the better quality or greater quantity of Work and/or materials unless otherwise directed by City in writing. In the event none of the Contract Documents place a more stringent requirement or greater burden on the Contractor, the controlling provision shall be that which is found in the document with higher precedence in accordance with the above order of precedence.

**2. REFERENCE DOCUMENTS.** The following Reference Documents are not considered Contract Documents and are made available to the Contractor for informational purposes:

- A. Geotechnical Reports

**3. SCOPE OF WORK.** The Contractor shall perform and provide all materials, tools, equipment, labor, and services necessary to complete the Work described in the Contract





- Obtaining a Temporary Use Permit for a construction yard
- Notifying all agencies, utilities, residents, etc., as outlined in the Bidding Documents

If the City's issuance of a Notice to Proceed to Fulfill Preconstruction Requirements and Notice to Proceed with Order of Materials is delayed due to Contractor's failure to return the fully executed Agreement and insurance and bond documents within ten (10) Working Days after Contract award, then Contractor agrees to the deduction of one (1) Working Day from the number of days to complete the Project for every Working Day of delay in the City's receipt of said documents. This right is in addition to and does not affect the City's right to demand forfeiture of Contractor's Bid Security if Contractor persistently delays in providing the required documentation.

C. **Notice to Proceed with Construction.** After all preconstruction requirements are met and materials have been ordered in accordance with the Notice to Proceed to Fulfill Preconstruction Requirements and Notice to Proceed with Order of Materials, the City shall issue the "Notice to Proceed with Construction," at which time the Contractor shall diligently prosecute the Work, including corrective items of Work, day to day thereafter, within the remaining Contract Time.

## 6. LIQUIDATED DAMAGES AND CONTROL OF WORK

6.1. **Liquidated Damages.** The Contractor and City (collectively, the "Parties") have agreed to liquidate damages with respect to Contractor's failure to order all materials in accordance with the Notice to Proceed with Order of Materials and/or failure to fulfill the preconstruction requirements, and/or failure to complete the Work within the Contract Time. The Parties intend for the liquidated damages set forth herein to apply to this Contract as set forth in Government Code Section 53069.85. Contractor acknowledges and agrees that the liquidated damages are intended to compensate the City solely for Contractor's failure to meet the deadline for completion of the Work and will not excuse Contractor from liability from any other breach, including any failure of the Work to conform to the requirements of the Contract Documents.

In the event that Contractor fails to order all materials in accordance with the Notice to Proceed with Order of Materials and/or fails to fulfill the preconstruction requirements and/or fails to complete the Work within the Contract Time, Contractor agrees to pay the City **\$450.00 per Calendar day** that completion of the Work is delayed beyond the Contract Time, as adjusted by Contract Change Orders. The Contractor will not be assessed liquidated damages for delays occasioned by the failure of the City or of the owner of a utility to provide for the removal or relocation of utility facilities.

The Contractor and City acknowledge and agree that the foregoing liquidated damages have been set based on an evaluation of damages that the City will incur in the event of late completion of the Work. The Contractor and City acknowledge and agree that the amount of such damages are impossible to ascertain as of the date of execution hereof and have agreed to such liquidated damages to fix the City's damages and to avoid later disputes. It is understood and agreed by Contractor that liquidated damages payable pursuant to this Agreement are not a penalty and that such amounts are not manifestly unreasonable under the circumstances existing as of the date of execution of this Agreement.

It is further mutually agreed that the City will have the right to deduct liquidated damages against progress payments or retainage and that the City will issue a Change Order or Construction Change Directive and reduce the Contract Price accordingly. In the event the remaining unpaid Contract Price is insufficient to cover the full amount of liquidated damages, Contractor shall pay the difference to the City.

6.2. Any work completed by the Contractor after the issuance of a Stop Work Notice by the City shall be rejected and/or removed and replaced as specified in Section 2-11 of the Special Provisions.

6.3. **Owner is Exempt from Liability for Early Completion Delay Damages.** While the Contractor may schedule completion of all of the Work, or portions thereof, earlier than the Contract Time, the Owner is exempt from liability for and the Contractor will not be entitled to an adjustment of the Contract Sum or to any additional costs, damages, including, but not limited to, claims for extended general conditions costs, home office overhead, jobsite overhead, and management or administrative costs, or compensation whatsoever, for use of float time or for Contractor's inability to complete the Work earlier than the Contract Time for any reason whatsoever, including but not limited to, delay cause by Owner or other Excusable Compensable Delay. See Section 6-6 of the Standard Specifications and City Special Provisions regarding compensation for delays.

## 7. INSURANCE.

7.1. **General.** The Contractor shall procure and maintain at its sole expense and throughout the term of this Agreement, any extension thereof, Commercial General Liability, Automobile Liability, and Workers' Compensation Insurance with such coverage limits as described herein.

7.2. **Additional Insured Endorsements.** The Contractor shall cause the insurance required by the Contract Document to include the City of Moreno Valley, the City Council and each member thereof, the Moreno Valley Housing Authority (MVHA), and the Moreno Valley Community Services District (CSD), and their respective officials, employees, commission members, officers, directors, agents, employees, volunteers and representatives as an additional insureds. For the Commercial General Liability coverage, said parties shall be named as additional insureds utilizing either:

1. Insurance Services Office ("ISO") Additional Insured endorsement CG 20 10 (11/85); or
2. ISO Additional Insured endorsement CG 20 10 (10/01) and Additional Insured Completed Operations endorsement CG 20 37 (10/01); or
3. substitute endorsements providing equivalent coverage, approved by the City.

The endorsements shall be signed by a person authorized by the insurer to bind coverage on its behalf. The coverage shall contain no special limitations on the scope of protection afforded to such additional insureds. Coverage for such additional insureds does not extend to liability to the extent prohibited by Insurance Code Section 11580.4.

7.3. **Waivers of Subrogation.** All policies of insurance required by the Contract Documents shall include or be endorsed to provide a waiver by the insurers of any rights of recovery or subrogation that the insurers may have at any time against the City of Moreno Valley, the City Council and each member thereof, the Moreno Valley Housing Authority (MVHA), and the Moreno Valley Community Services District (CSD), and their respective officials, employees, commission members, officers, directors, agents, employees, volunteers and representatives.

7.4. **Primary Coverage.** All policies and endorsements shall stipulate that the Contractor's (and the Subcontractors') insurance coverage shall be primary insurance as respects the City of Moreno Valley, the City Council and each member thereof, the Moreno Valley Housing Authority (MVHA), and the Moreno Valley Community Services District (CSD), and their respective officials, employees, commission members, officers, directors, agents, employees, volunteers and representatives, and shall be excess of the Contractor's (and its Subcontractors') insurance and shall not contribute with it.

7.5. **Coverage Applies Separately to Each Insured and Additional Insured.** Coverage shall state that the Contractor's (and its Subcontractors') insurance shall apply separately to each insured or additional insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability. Coverage shall apply to any claim or suit brought by an additional insured against a named insured or other insured.

7.6. **Self-Insurance.** Any self-insurance (including deductibles or self-insured retention in excess of \$50,000) in lieu of liability insurance must be declared by Contractor and approved by the City in writing prior to execution of the Agreement. The City's approval of self-insurance, if any, is within the City's sole discretion and is subject to the following conditions:

1. Contractor must, at all times during the term of the Agreement and for a period of at least **one (1)** year after completion of the Project, and any extension of the one-year correction guarantee period in accordance with Section 6-8.1 of the City Special Provisions, maintain and upon Owner's reasonable request provide evidence of:
  - (a) Contractor's "net worth" (defined as "total assets" [defined as all items of value owned by the Contractor including tangible items such as cash, land, personal property and equipment and intangible items such as copyrights and business goodwill]) minus total outside liabilities must be reflected in a financial statement for the prior fiscal year reflecting sufficient income and budget for Contractor to afford at least one loss in an amount equal to the amount of self-insurance;
  - (b) financial statements showing that Contractor has funds set aside/budgeted to finance the self-insured fund (i.e., Contractor has a program that fulfills functions that a primary insurer would fill; and
  - (c) a claims procedure that identifies how a claim is supposed to be tendered to reach the financing provided by the self-insured fund.
2. If at any time after such self-insurance has been approved Contractor fails to meet the financial thresholds or otherwise fails to comply with the provisions set forth in this Paragraph 7, at the option of the City:
  - (a) the Contractor shall immediately obtain and thereafter maintain the third party insurance required under this Paragraph 7 and otherwise on the terms required above; or
  - (b) the insurer shall reduce or eliminate such deductibles or self-insured retention as respects the City, its officers, officials, employees and volunteers; or

- (c) the Contractor shall procure a bond guaranteeing payment of losses and related investigation, claim administration, and defense expenses.

7.7. **Insurer Financial Rating.** Insurance companies providing insurance hereunder shall be rated A-:VII or better in Best's Insurance Rating Guide and shall be legally licensed and qualified to conduct insurance business in the State of California.

7.8. **Notices to City of Cancellation or Changes.** Each insurance policy described in this Paragraph 7 shall contain a provision or be endorsed to state that coverage will not be cancelled without **thirty (30) days'** prior written notice by certified or registered mail to the City (this obligation may be satisfied in the alternative by requiring such notice to be provided by Contractor's insurance broker and set forth on its Certificate of Insurance provided to the City), except that cancellation for non-payment of premium shall require (10) days prior written notice by certified or registered mail. If an insurance carrier cancels any policy or elects not to renew any policy required to be maintained by Contractor pursuant to the Contract Documents, Contractor agrees to give written notice to the City at the address indicated on the first page of the Agreement. Contractor agrees to provide the same notice of cancellation and non-renewal to the City that is required by such policy(ies) to be provided to the First Named Insured under such policy(ies). Contractor shall provide confirmation that the required policies have been renewed not less than seven (7) days prior to the expiration of existing coverages and shall deliver renewal or replacement policies, certificates and endorsements to the City Clerk within fourteen (14) days of the expiration of existing coverages. Contractor agrees that upon receipt of any notice of cancellation or alteration of the policies, Contractor shall procure within five (5) days, other policies of insurance similar in all respects to the policy or policies to be cancelled or altered. Contractor shall furnish to the City Clerk copies of any endorsements that are subsequently issued amending coverage or limits within fourteen (14) days of the amendment.

7.9. **Commercial General Liability.** Coverage shall be written on an ISO Commercial General Liability "occurrence" form CG 00 01 (10/01 or later edition) or equivalent form approved by the City for coverage on an occurrence basis. The insurance shall cover liability, including, but not limited to, that arising from premises operations, stop gap liability, independent contractors, products-completed operations, personal injury, advertising injury, and liability assumed under an insured contract. The policy shall be endorsed to provide the Aggregate Per Project Endorsement ISO form CG 25 03 (11/85). Coverage shall contain no contractors' limitation or other endorsement limiting the scope of coverage for liability arising from pollution, explosion, collapse, or underground (x, c, u) property damage. Contractor shall provide Products/Completed Operations coverage to be maintained continuously for a minimum of **one (1) year** after Final Acceptance of the Work, and any extension of the one-year correction guarantee period in accordance with Section 6-8.1 of the City Special Provisions.

Contractor shall maintain Commercial General Liability insurance with the following minimum limits: \$1,000,000 per occurrence / \$2,000,000 aggregate / \$2,000,000 products-completed operations.

7.10. **Business Automobile Liability.** Coverage shall be written on ISO form CA 00 01 (12/93 or later edition) or a substitute form providing equivalent coverage for owned, hired, leased and non-owned vehicles, whether scheduled or not, with \$1,000,000 combined single limit per accident for bodily injury and property damage. If necessary, the policy shall be endorsed to provide contractual liability coverage.

7.11. **Workers' Compensation.** Contractor shall comply with the applicable sections of the California Labor Code concerning workers' compensation for injuries on the job. Compliance is accomplished in one of the following manners:

1. Provide copy of permissive self-insurance certificate approved by the State of California; or
2. Secure and maintain in force a policy of workers' compensation insurance with statutory limits and Employer's Liability Insurance with a minimal limit of **\$1,000,000** per accident; or
3. Provide a "waiver" form certifying that no employees subject to the Labor Code's Workers' Compensation provision will be used in performance of this Contract.

7.12. **Subcontractors' Insurance.** The Contractor shall include all Subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each Subcontractor. All coverages for Subcontractors shall be subject to all of the requirements stated herein.

8. **BONDS.** The Contractor shall furnish a satisfactory Performance Bond meeting all statutory requirements of the State of California on the form provided by the City. The bond shall be furnished as a guarantee of the faithful performance of the requirements of the Contract Documents as may be amended from time to time, including, but not limited to, liability for delays and damages (both direct and consequential) to the City and the City's Separate Contractors and consultants, warranties, guarantees, and indemnity obligations, in an amount that shall remain equal to one hundred percent (100%) of the Contract Price.

The Contractor shall furnish a satisfactory Labor and Materials Payment Bond meeting all statutory requirements of the State of California on the form provided by the City in an amount that shall remain equal to one hundred percent (100%) of the Contract Price to secure payment of all claims, demands, stop notices, or charges of the State of California, of material suppliers, mechanics, or laborers employed by the Contractor or by any Subcontractor, or any person, firm, or entity eligible to file a stop notice with respect to the Work.

All bonds shall be executed by a California-admitted surety insurer. Bonds issued by a California-admitted surety insurer listed on the latest version of the U.S Department of Treasury Circular 570 shall be deemed accepted unless specifically rejected by the City. Bonds issued by sureties not listed in Treasury Circular 570 must be accompanied by all documents enumerated in California Code of Civil Procedure Section 995.660(a). The bonds shall bear the same date as the Contract. The attorney-in-fact who executes the required bonds on behalf of the surety shall affix thereto a certified and current copy of the power of attorney. In the event of changes that increase the Contract Price, the amount of each bond shall be deemed to increase and at all times remain equal to the Contract Price. The signatures shall be acknowledged by a notary public. Every bond must display the surety's bond number and incorporate the Contract for construction of the Work by reference. The terms of the bonds shall provide that the surety agrees that no change, extension of time, alteration, or modification of the Contract Documents or the Work to be performed thereunder shall in any way affect its obligations and shall waive notice of any such change, extension of time, alteration, or modification of the Contract Documents. The surety further agrees that it is obligated under the bonds to any successor, grantee, or assignee of the City.



Upon the request of any person or entity appearing to be a potential beneficiary of bonds covering payment of obligations arising under the Contract, the Contractor shall promptly furnish a copy of the bonds or shall authorize a copy to be furnished.

Should any bond become insufficient, or should any of the sureties, in the opinion of the City, become non-responsible or unacceptable, the Contractor shall, within ten (10) Calendar Days after receiving notice from the City, provide written documentation to the Satisfaction of the City that Contractor has secured new or additional sureties for the bonds; otherwise the Contractor shall be in default of the Contract. No further payments shall be deemed due or will be made under Contract until a new surety(ies) qualifies and is accepted by the City.

Contractor agrees that the Labor and Materials Payment Bond and Faithful Performance Bond attached to this Agreement are for reference purposes only, and shall not be considered a part of this Agreement. Contractor further agrees that said bonds are separate obligations of the Contractor and its surety, and that any attorney's fee provision contained in any payment bond or performance bond shall not apply to this Agreement. In the event there is any litigation between the parties arising from the breach of this Agreement, each party will bear its own attorneys' fees in the litigation.

**9. RECORDS.** The Contractor and its Subcontractors shall maintain and keep books, payrolls, invoices of materials, and Project records current, and shall record all transactions pertaining to the Contract in accordance with generally acceptable accounting principles. Said books and records shall be made available to the City of Moreno Valley, Riverside County, the State of California, the Federal Government, and to any authorized representative thereof for purposes of audit and inspection at all reasonable times and places. All such books, payrolls, invoices of materials, and records shall be retained for at least three (3) years after Final Acceptance.

## **10. INDEMNIFICATION.**

**10.1. General.** To the fullest extent permitted by law, the Contractor assumes liability for and agrees, at the Contractor's sole cost and expense, to promptly and fully indemnify, protect, hold harmless and defend (even if the allegations are false, fraudulent, or groundless), the City of Moreno Valley, its City Council, the Moreno Valley Housing Authority (MVHA), and the Moreno Valley Community Services District (CSD), and all of their respective officials, officers, directors, employees, commission members, representatives and agents ("Indemnitees"), from and against any and all claims, allegations, actions, suits, arbitrations, administrative proceedings, regulatory proceedings, or other legal proceeds, causes of action, demands, costs, judgments, liens, stop notices, penalties, liabilities, damages, losses, anticipated losses of revenues, and expenses (including, but not limited to, any fees of accountants, attorneys, experts or other professionals, or investigation expenses), or losses of any kind or nature whatsoever, whether actual, threatened or alleged, arising out of, resulting from, or in any way (either directly or indirectly), related to the Work, the Project or any breach of the Contract by Contractor or any of its officers, agents, employees, Subcontractors, Sub-subcontractors, or any person performing any of the Work, pursuant to a direct or indirect contract with the Contractor ("Indemnity Claims"). Such Indemnity Claims include, but are not limited to, claims for:

- A. Any activity on or use of the City's premises or facilities;
- B. Any liability incurred due to Contractor acting outside the scope of its authority pursuant to the Contract, whether or not caused in part by an Indemnified Party;

- C. The failure of Contractor or the Work to comply with any Applicable Law, permit or orders;
- D. Any misrepresentation, misstatement or omission with respect to any statement made in the Contract Documents or any document furnished by the Contractor in connection therewith;
- E. Any breach of any duty, obligation or requirement under the Contract Documents, including, but not limited to any breach of Contractor's warranties, representations or agreements set forth in the Contract Documents;
- F. Any failure to coordinate the Work with City's Separate Contractors;
- G. Any failure to provide notice to any party as required under the Contract Documents;
- H. Any failure to act in such a manner as to protect the Project from loss, cost, expense or liability;
- I. Bodily or personal injury, emotional injury, sickness or disease, or death at any time to any persons including without limitation employees of Contractor;
- J. Damage or injury to real property or personal property, equipment and materials (including, but without limitation, property under the care and custody of the Contractor or the City) sustained by any person or persons (including, but not limited to, companies, corporations, utility company or property owner, Contractor and its employees or agents, and members of the general public);
- K. Any liability imposed by Applicable Law including, but not limited to criminal or civil fines or penalties;
- L. Any dangerous, hazardous, unsafe or defective condition of, in or on the Site, of any nature whatsoever, which may exist by reason of any act, omission, neglect, or any use or occupation of the Site by Contractor, its officers, agents, employees, or Subcontractors;
- M. Any operation conducted upon or any use or occupation of the Site by Contractor, its officers, agents, employees, or Subcontractors under or pursuant to the provisions of the Contract or otherwise;
- N. Any acts, errors, omission or negligence of Contractor, its officers, agents, employees, or Subcontractors;
- O. Infringement of any patent rights, licenses, copyrights or intellectual property which may be brought against the Contractor or Owner arising out of Contractor's Work, for which the Contractor is responsible; and
- P. Any and all claims against the City seeking compensation for labor performed or materials used or furnished to be used in the Work or alleged to have been furnished on the Project, including all incidental or consequential damages resulting to the City from such claims.

10.2. **Effect of Indemnitees' Active Negligence.** Contractor's obligations to indemnify and hold the Indemnitees harmless exclude only such portion of any Indemnity Claim which is attributable to the active negligence or willful misconduct of the Indemnitee, provided such active negligence or willful misconduct is determined by agreement of the parties or by findings of a court of competent jurisdiction. In instances where an Indemnitee's active negligence accounts for only a percentage of the liability for the Indemnity Claim involved, the obligation of Contractor will be for that entire percentage of liability for the Indemnity Claim not attributable to the active negligence or willful misconduct of the Indemnitee(s). Such obligation shall not be construed to negate, abridge or otherwise reduce any other right or obligation of indemnity which would otherwise exist as to any party or person described in this Paragraph 11. Subject to the limits set forth herein, the Contractor,

at its own expense, shall satisfy any resulting judgment that may be rendered against any Indemnitee resulting from an Indemnity Claim. The Indemnitees shall be consulted with regard to any proposed settlement.

**10.3. Independent Defense Obligation.** The duty of the Contractor to indemnify and hold harmless the Indemnitees includes the separate and independent duty to defend the Indemnitees, which duty arises immediately upon receipt by Contractor of the tender of any Indemnity Claim from an Indemnitee. The Contractor's obligation to defend the Indemnitee(s) shall be at Contractor's sole expense, and not be excused because of the Contractor's inability to evaluate liability or because the Contractor evaluates liability and determines that the Contractor is not liable. This duty to defend shall apply whether or not an Indemnity Claim has merit or is meritless, or which involves claims or allegations that any or all of the Indemnitees were actively, passively, or concurrently negligent, or which otherwise asserts that the Indemnitees are responsible, in whole or in part, for any Indemnity Claim. The Contractor shall respond within thirty (30) Calendar Days to the tender of any Indemnity Claim for defense and/or indemnity by an Indemnitee, unless the Indemnitee agrees in writing to an extension of this time. The defense provided to the Indemnitees by Contractor shall be by well qualified, adequately insured and experienced legal counsel acceptable to the City.

**10.4. Intent of Parties Regarding Scope of Indemnity.** It is the intent of the parties that the Contractor and its Subcontractors of all tiers shall provide the Indemnitees with the broadest defense and indemnity permitted by Applicable Law. In the event that any of the defense, indemnity or hold harmless provisions in the Contract Documents are found to be ambiguous, or in conflict with one another, it is the parties' intent that the broadest and most expansive interpretation in favor of providing defense and/or indemnity to the Indemnitees be given effect.

**10.5. Waiver of Indemnity Rights Against Indemnitees.** With respect to third party claims against the Contractor, to the fullest extent permitted by law, the Contractor waives any and all rights to any type of express or implied indemnity against the Indemnitees.

**10.6. Subcontractor Requirements.** In addition to the requirements set forth hereinabove, Contractor shall ensure, by written subcontract agreement, that each of Contractor's Subcontractors of every tier shall protect, defend, indemnify and hold harmless the Indemnitees with respect to Indemnity Claims arising out of, in connection with, or in any way related to each such Subcontractors' Work on the Project in the same manner in which Contractor is required to protect, defend, indemnify and hold the Indemnitees harmless. In the event Contractor fails to obtain such defense and indemnity obligations from others as required herein, Contractor agrees to be fully responsible to the Indemnitees according to the terms of this Paragraph 11.

**10.7. No Limitation or Waiver of Rights.** Contractor's obligations under this Paragraph 11 are in addition to any other rights or remedies which the Indemnitees may have under the law or under the Contract Documents. Contractor's indemnification and defense obligations set forth in this Paragraph 11 are separate and independent from the insurance provisions set forth in the Contract Documents, and do not limit, in any way, the applicability, scope, or obligations set forth in such insurance provisions. The purchase of insurance by the Contractor with respect to the obligations required herein shall in no event be construed as fulfillment or discharge of such obligations. In any and all claims against the Indemnitees by any employee of the Contractor, any Subcontractor, any supplier of the Contractor or Subcontractors, anyone directly or indirectly employed by any of them, or anyone for whose acts any of them may be liable, the obligations under this Paragraph 11 shall not be limited in any way by any limitation on the amount or type of damages, compensation or benefits payable by or for the Contractor or any Subcontractor or any supplier of either of them, under workers' or workmen's compensation acts, disability benefit acts or

other employee benefit acts. Failure of the City to monitor compliance with these requirements imposes no additional obligations on the City and will in no way act as a waiver of any rights hereunder.

10.8. **Withholding to Secure Obligations.** In the event an Indemnity Claim arises prior to final payment to Contractor, the City may, in its sole discretion, reserve, retain or apply any monies due Contractor for the purpose of resolving such Indemnity Claims; provided, however, the City may release such funds if the Contractor provides the City with reasonable assurances of protection of the Indemnitees' interests. The City shall, in its sole discretion, determine whether such assurances are reasonable.

10.9. **Survival of Indemnity Obligations.** Contractor's obligations under this Paragraph 11 are binding on Contractor's and its Subcontractors' successors, heirs and assigns and shall survive the completion of the Work or termination of the Contractor's performance of the Work.

11. **SUCCESSORS AND ASSIGNS.** The Parties bind themselves, their heirs, executors, administrators, successors and assigns the covenants, agreements and obligations contained in the Contract Documents. The Contractor shall not, either voluntarily or by action of law, assign any right or obligation of the Contractor under the Contract Documents without prior written consent of the City.

**(SIGNATURE PAGE FOLLOWS)**

Attachment: Agreement (2424 : AUTHORIZATION TO AWARD CONSTRUCTION CONTRACT TO FS CONTRACTORS, INC. FOR THE CYCLE 7

CITY OF MORENO VALLEY, Municipal Corporation

FS Contractors, Inc.

BY: \_\_\_\_\_  
City Manager

License No./  
Classification: \_\_\_\_\_

DATE: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

Federal I.D. No.: \_\_\_\_\_

<u>INTERNAL USE ONLY</u>
APPROVED AS TO LEGAL FORM:
_____
City Attorney
_____
Date
RECOMMENDED FOR APPROVAL:
_____
Public Works Director/City Engineer
_____
Date

PRINT NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

PRINT NAME: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

TITLE: \_\_\_\_\_

DATE: \_\_\_\_\_

**SIGNING INSTRUCTIONS TO THE CONTRACTOR:**

Signature(s) must be accompanied by a completed notary certificate of acknowledgement attached hereto. A general partner must sign on behalf of a partnership. **Two (2)** corporate officers must sign on behalf of a corporation unless the corporation has a corporate resolution that allows one person to sign on behalf of the corporation; if applicable, said resolution must be attached hereto. The corporate seal may be affixed hereto.

Attachment: Agreement (2424 : AUTHORIZATION TO AWARD CONSTRUCTION CONTRACT TO FS CONTRACTORS, INC. FOR THE CYCLE 7





## Report to City Council

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**TO:** Mayor and City Council  
 Mayor and City Council Acting in its Capacity as President  
 and Members of the Board of Directors of the Moreno Valley  
 Community Services District (CSD)

**FROM:** Terrie Stevens, Administrative Services Director

**AGENDA DATE:** March 21, 2017

**TITLE:** XEROX COLOR PRINTER LEASES

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### **RECOMMENDED ACTION**

#### **Recommendations: That the City Council and CSD:**

1. Award the five year lease of two XC60 color printers and ancillary equipment to Xerox Corporation.
2. Approve the amended budget and instruct the Purchasing Manager to sign the leases and issue purchase orders based on the lease terms.
3. Allow the Administrative Services Director to process any contract amendments and/or change orders up to a 10% increase of the initial amount for added copy volume charges or other required items.

### **SUMMARY**

This report recommends approval of a five-year contract to lease two XC60 printers and their ancillary equipment from Xerox Corporation. The leases are funded by the City Manager's office and the Community Services District.

### **DISCUSSION**

The City utilizes high performance color printers for various needs. Parks and Recreation creates flyers for community events, contract classes, and curriculum for our recreation programs. These flyers are used for advertising and distribution purposes. A second color copier is utilized to create and reproduce items by the City Graphics office. These high quality documents are created for all City divisions on an as-needed basis.

The current lease for the two color printers is at the end of its term. The quote from Xerox is based on a cooperative award from The Cooperative Purchasing Network (TCPN), now a part of National Intergovernmental Purchasing Alliance. The attached quote is for the lease of hardware and print costs which cover the ongoing maintenance program for the life of the lease. The lead bidding agency for this product was the Region 4 Education Service Center, from Houston, Texas. Quoted pricing from Xerox has been confirmed with TCPN.

City Municipal Code allows for purchasing off of other government agencies competitive awards and bypassing our own competitive process. Municipal Code 2.12.260 states: *Where advantageous for the city and to the extent consistent with state law, the city manager may authorize the financial and administrative services director or the purchasing manager to purchase supplies, materials, equipment or contractual services through legal, competitively awarded contracts with or of other governmental jurisdictions or public agencies, including California Multiple Award Schedules (CMAS) commonly referred to as "piggybacking," without further contracting, solicitation or formal bidding as described in this chapter. (Ord. 844 § 2, 2012)*

**ALTERNATIVES**

- 1. Approve the recommended actions for a five year lease for two color printers to Xerox Corporation. Doing so will allow City staff to continue to provide high-quality documents as required by program objectives. *Staff recommends this alternative. Approval of this lease will provide City staff with resources to continue providing high quality printed items.*
- 2. Do not approve the recommended actions for a five year lease for two color printers to Xerox Corporation. Doing so will not allow City staff to continue to provide high-quality documents as required by program objectives. *Staff does not recommend this alternative as it will eliminate the resource for in-house printing of high quality items.*

**FISCAL IMPACT**

Proposed Appropriation for Fiscal year 2016/2017

Desc.	GL Account No.	Type (Rev/Exp)	FY 16/17 Budget	Proposed Adjustment	FY 16/17 Amended Budget
Graphics	1010-16-39-16210-620930	Exp	\$20,000	\$0	\$20,000
Parks & Recreation	5011-50-58-35312-620930	Exp	8,000	13,000	21,000

**NOTIFICATION**

Publication of the Agenda.

**PREPARATION OF STAFF REPORT**

Prepared By:  
Rix Skonberg  
Purchasing & Facilities Division Manager

Department Head Approval:  
Terrie Stevens  
Administrative Services Director

Concurred By:  
Mel Alonzo  
Parks & Community Services Division Manager

Concurred By:  
Steve Hargis  
Technology Services Division Manager

**CITY COUNCIL GOALS**

**Positive Environment.** Create a positive environment for the development of Moreno Valley's future.

**CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

Objective 1.5: Showcase Moreno Valley's unique assets.

Objective 5.6: Enhance community outreach, partnership opportunities, and stakeholder ownership of the City's parks and recreation services, programs and events.

**ATTACHMENTS**

- 1. City of Mo Villy\_Parks & Rec\_XC60 XOA-TCPN\_02-28-2017
- 2. City of Mo Villy\_Graphics XC60 XOA-TCPN\_02-28-2017

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	3/02/17 8:21 AM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 9:23 AM
City Manager Approval	<u>✓ Approved</u>	3/08/17 3:34 PM



# Lease Agreement



## Terms and Conditions

### INTRODUCTION:

**1. NEGOTIATED CONTRACT.** The Products are subject solely to the terms in the Negotiated Contract identified on the face of this Agreement, and, for any option you have selected that is not addressed in the Negotiated Contract, the then-current standard Xerox terms for such option.

### GOVERNMENT TERMS:

**2. REPRESENTATIONS & WARRANTIES.** This provision is applicable to governmental entities only. You represent and warrant, as of the date of this Agreement, that: (1) you are a State or a fully constituted political subdivision or agency of the State in which you are located and are authorized to enter into, and carry out, your obligations under this Agreement and any other documents required to be delivered in connection with this Agreement (collectively, the "Documents"); (2) the Documents have been duly authorized, executed and delivered by you in accordance with all applicable laws, rules, ordinances and regulations (including all applicable laws governing open meetings, public bidding and appropriations required in connection with this Agreement and the acquisition of the Products) and are valid, legal, binding agreements, enforceable in accordance with their terms; (3) the person(s) signing the Documents have the authority to do so, are acting with the full authorization of your governing body and hold the offices indicated below their signatures, each of which are genuine; (4) the Products are essential to the immediate performance of a governmental or proprietary function by you within the scope of your authority and will be used during the Term only by you and only to perform such function; and (5) your payment obligations under this Agreement constitute a current expense and not a debt under applicable state law and no provision of this Agreement constitutes a pledge of your tax or general revenues, and any provision that is so construed by a court of competent jurisdiction is void from the inception of this Agreement.

**3. FUNDING.** This provision is applicable to governmental entities only. You represent and warrant that all payments due and to become due during your current fiscal year are within the fiscal budget of such year and are included within an unrestricted and unencumbered appropriation currently available for the purchase/maintenance of the Products, and it is your intent to use the Products for the entire term and to make all payments required under this Agreement. If (1) through no action initiated by you, your legislative body does not appropriate funds for the continuation of this Agreement for any fiscal year after the first fiscal year and has no funds to do so from other sources, and (2) you have made a reasonable but unsuccessful effort to find a creditworthy assignee acceptable to Xerox in its sole discretion within your general organization who can continue this Agreement, this Agreement may be terminated. To effect this termination, you must, at least 30 days prior to the beginning of the fiscal year for which your legislative body does not appropriate funds, notify Xerox in writing that your legislative body failed to appropriate funds and that you have made the required effort to find an assignee. Your notice must be accompanied by payment of all sums then owed through the current year under this Agreement and must certify that the canceled Equipment is not being replaced by equipment performing similar functions during the ensuing fiscal year. You will return the Equipment, at your expense, to a location designated by Xerox and, when returned, the Equipment will be in good condition and free of all liens and encumbrances. You will then be released from any further payment obligations beyond those payments due for the current fiscal year (with Xerox retaining all sums paid to date).

### SOLUTION/SERVICES:

**4. FREEFLOW LICENSE.** The following terms apply to Xerox FreeFlow Print Server /DocuSP software included in Base Software ("FreeFlow Base Software") and/or Application Software identified as Xerox FreeFlow software (including, but not limited to, FreeFlow Makeready and FreeFlow Process Manager) (collectively, "FreeFlow Application Software"), and are additive to and supplement those found elsewhere in the Agreement. FreeFlow Base Software and FreeFlow Application Software are collectively referred to as "FreeFlow Software."

1. FreeFlow Software may include and/or incorporate font programs ("Font Programs") and other software provided by Adobe Systems Incorporated ("Adobe Software"). You may embed copies of the Font Programs into your electronic documents for the purpose of printing and viewing the document. You are responsible for ensuring that you have the right and are authorized by any necessary third parties to embed any Font Programs in electronic documents created with the FreeFlow Application Software. If the Font Programs are identified as "licensed for editable embedding" at [www.adobe.com/type/browser/legal/embeddingeula](http://www.adobe.com/type/browser/legal/embeddingeula), you may also embed copies of those Font Programs for the additional purpose of editing your electronic documents. No other embedding rights are implied or permitted under this

license.

2. You will not, without the prior written consent of Xerox and its licensors: (a) alter the digital configuration of the FreeFlow Software, or solicit others to cause the same, so as to change the visual appearance of any of the FreeFlow Software output; (b) use the FreeFlow Software in any way that is not authorized by the Agreement; (c) use the embedded code within the FreeFlow Software outside of the Equipment on which it was installed or in a stand-alone, time-share or service bureau model; (d) disclose the results of any performance or benchmark tests of the FreeFlow Software; (e) use the FreeFlow Software for any purpose other than to carry out the purposes of the Agreement; or (f) disclose or otherwise permit any other person or entity access to the object code of the FreeFlow Software.

3. FreeFlow Process Manager contains Oracle Database Express Edition database software and documentation licensed from Oracle America, Inc. ("Oracle"). Oracle grants you a nonexclusive, nontransferable limited license to use Database Express Edition for purposes of developing, prototyping and running your applications for your own internal data processing operations. Database Express Edition may be installed on a multiple CPU server, but may only be executed on one processor in any server. Upon not less than 45 days prior written notice, Xerox and/or its licensors may, at their expense, directly or through an independent auditor, audit your use of FreeFlow Process Manager and all relevant records not more than once annually. Any such audit will be conducted at a mutually agreed location and will not unreasonably interfere with your business activities.

4. The Copyright Management feature of FreeFlow Makeready ("FFCM") contains the optional Copyright Clearance Center, Inc. ("CCC") copyright licensing services feature of FFCM ("CCC Service"). If this option is ordered, you will comply with any applicable terms and conditions contained on the CCC website, [www.copyright.com](http://www.copyright.com), and any other rights holder terms governing use of materials, which are accessible in FFCM. If CCC terminates Xerox's right to offer access to the CCC Service through FFCM, Xerox may, upon written notice and without any liability to you, terminate your right to access the CCC Service through FFCM. THE CCC SERVICE IS PROVIDED "AS IS," WITHOUT ANY WARRANTIES, WHETHER EXPRESS OR IMPLIED. XEROX DISCLAIMS ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF NONINFRINGEMENT, MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. You will defend and indemnify Xerox from any and all losses, claims, damages, fines, penalties, interest, costs and expenses, including reasonable attorney fees, arising from or relating to your use of the CCC Service.

5. If you install FreeFlow Application Software on a computer that you supply, the following terms apply: (a) Xerox will only be obligated to support FreeFlow Application Software if it is installed on hardware and software meeting Xerox's published specifications (collectively "Workstation"); (b) IF YOU USE FREEFLOW APPLICATION SOFTWARE WITH ANY HARDWARE OR SOFTWARE OTHER THAN A WORKSTATION, ALL REPRESENTATIONS AND WARRANTIES ACCOMPANYING SUCH FREEFLOW APPLICATION SOFTWARE WILL BE VOID AND ANY SUPPORT/MAINTENANCE YOU CONTRACT FOR IN CONNECTION WITH SUCH FREEFLOW APPLICATION SOFTWARE WILL BE VOIDABLE AND/OR SUBJECT TO ADDITIONAL CHARGES; and (c) you are solely responsible for: (i) the acquisition and support, including any and all associated costs, charges and other fees, of any Workstation you supply; (ii) compliance with all terms governing such Workstation acquisition and support, including terms applicable to any non-Xerox software associated with such Workstation; and (iii) ensuring that such Workstation meets Xerox's published specifications.

6. The following terms apply to FreeFlow Software licensed to U.S. government customers:

a. Java technology contained in FreeFlow Software is subject to: (i) FAR 52.227-14(g)(2) and FAR 52.227-19; and (ii) if licensed to the U.S. Department of Defense ("DOD"), DFARS 252.227-7015(b) and DFARS 227.7202-3(a).

b. Adobe Software is a "commercial item," as that term is defined at FAR 2.101, consisting of "commercial computer software" and "commercial computer software documentation" as such terms are used in FAR 12.212, and is licensed to civilian agencies consistent with the policy set forth in FAR 12.212, or to the DOD consistent with the policies set forth in DFARS 227.7202-1.

c. Oracle Database Express Edition is "commercial computer software" and is subject to the restrictions as set forth in the Rights in Technical Data and Computer Software Clauses in DFARS 252.227-7015 and FAR 52.227-19 as applicable.

7. FreeFlow Software may include Microsoft Embedded Standard operating system



## Terms and Conditions

software to which the following terms apply:

- a. You agree to and will comply with the Microsoft terms and conditions contained on the Xerox website, <http://www.support.xerox.com/support/open-source-disclosures/file-redirect/enus.html?&contentId=136023>.
- b. Any updates, upgrades or reinstallations of Microsoft Embedded Standard operating system software are subject to the terms and conditions of this license and may be used only with the Xerox-brand Equipment with which it was delivered. Any other use of the software is strictly prohibited and may subject you to legal action.
- c. If the Equipment includes Remote Desktop Services that enable it to connect to and access applications running on a server, such as Remote Desktop Protocol, Remote Assistance and Independent Computer Architecture, such Desktop Functions will not run locally on the system, except for network/Internet browsing functions.
- d. The FreeFlow Base Software contains the Windows Update feature that allows you to access Windows Updates directly through the Microsoft Corp. Windows Update server. If you elect to activate this feature, any Windows Updates installed by you using the Windows Update feature may not function on the Equipment or may cause malfunctions or cause harm to the Equipment. Before you download a Windows Update using this feature, you should contact Xerox so that Xerox can ensure that each Windows Update is suitable for use on the Equipment and provide any necessary technical support for the installation and use of such Windows Update.
- e. No High Risk Use. **WARNING:** The Windows Embedded 7 Standard operating system is not fault-tolerant.  
The Windows Embedded 7 Standard operating system is not designed or intended for any use in any computing device where failure or fault of any kind of the Windows Embedded 7 Standard operating system could reasonably be seen to lead to death or serious bodily injury of any person, or to severe physical or environmental damage ("High Risk Use"). Xerox is not licensed to use, distribute, or sublicense the use of the Windows Embedded 7 Standard operating system in High Risk Use. High Risk Use is

STRICTLY PROHIBITED.

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**6. PRICE INCREASES.** Xerox may annually increase the maintenance component of the Minimum Payment and Print Charges. For Application Software, Xerox may annually increase the software license or support fees. These adjustments will occur at the commencement of each annual contract cycle.

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## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** March 21, 2017

**TITLE:** PURSUANT TO LANDOWNER PETITIONS, ANNEX CERTAIN PARCELS INTO COMMUNITY FACILITIES DISTRICT NO. 2014-01 (MAINTENANCE SERVICES) - AS AMENDMENT NO. 21

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### **RECOMMENDED ACTION**

#### **Recommendation:**

1. Acting as the legislative body of Community Facilities District No. 2014-01 (Maintenance Services), adopt Resolution No. 2017-15, a Resolution of the City Council of the City of Moreno Valley, California, ordering the annexation of territories to City of Moreno Valley Community Facilities District No. 2014-01 (Maintenance Services) and approving the amended maps for said district.

### **SUMMARY**

Approval of the proposed resolution will certify annexation of four parcels into Community Facilities District (CFD) No. 2014-01 (Maintenance Services) ("District"). This action affects one property owner, not the general citizens or taxpayers of the City.

The City requires property owners of new development projects to mitigate the cost of certain impacts created by the proposed development (i.e. the ongoing cost for operation and maintenance of public landscaping and/or street lights installed by the development). As a condition of approval, the property owners are required to provide an ongoing funding source to maintain those improvements. The City created CFD No. 2014-01 to provide the development community with a financing mechanism to assist in satisfying the requirement. After a property owner elects to annex their property into the District, the City can levy a special tax on the property tax bill(s) of the annexed parcel(s). Revenue generated by the District provides a funding source to operate and maintain only those improvements within the District.



Corona South Main Development (“Property Owner”) has elected to annex the parcels of their development project into the District. Detailed parcel information for the property subject to the condition of approval is shown in the table below. Annexing into the District will satisfy the condition to provide a funding source for the ongoing maintenance and operation of public improvements (landscaping and/or street lighting). The Property Owner submitted a Landowner Petition approving the annexation. The City Clerk has confirmed the petition is valid.

## **DISCUSSION**

### *District Formation*

The District was formed by adoption of Resolution No. 2014-25 to provide an alternative financing tool for the development community. It provides a mechanism to fund the operation and maintenance of street lighting services and maintenance of public landscaping. After a landowner approves annexation of their property into the District and the applicable special tax rate area(s), the City is authorized to levy a special tax onto the annual property tax bill(s). Residential Tract 31618 (southwest corner of Moreno Beach Dr. and Bay Ave.) formed the original boundaries of the District. Since formation of the District, sixteen additional landowners have authorized annexation of their properties into the District.

The Rate and Method of Apportionment of Special Tax (RMA) for the District describes the different special tax rate areas, services provided, and the formula to calculate the special tax rate for each of the tax rate areas. Several special tax rate layers were created to accommodate a variety of scenarios to ensure costs are fairly shared between property owners. For example, there is a tax rate layer for “single-family residential street lighting” and one for “street lighting for property other than single-family residential” (e.g. commercial, industrial, or multifamily projects). Different tax rate layers are needed for street lighting because the spacing and size/type of lights differ based on the type of development. Likewise, there are several tax rate areas for maintenance of public landscaping. A property owner’s proportionate share of landscape maintenance costs will vary depending upon the total square footage of landscaping to be maintained for that development and the number of properties sharing in the cost.

### *Annexation to the District*

On February 10, 2015, the City Council adopted Ordinance No. 889, which designated the entire territory of the City as a future annexation area for the District. Adoption of the Ordinance provides a simplified process for the development community to annex into the District. Annexations can occur without an additional public hearing as long as the annexing landowner provides unanimous consent. Once annexed, parcels are subject to the annual special tax to fund the service(s) they are receiving.

Corona South Main Development is approved to develop an 8.54 acre commercial center. As a condition of approval, the project is required to provide an ongoing funding

source for maintenance of public landscaping installed as part of the development. Information for the parcels under development (“Subject Property”) is shown in the following table:

Property Owner/Project	Assessor’s Parcel Number(s)	Location	Project	Annexation No.
Corona South Main Development PA15-0048	291-650-013, 291-650-014, 291-650-015, and 291-650-016	Northeast corner of Day St. and Eucalyptus Ave.	8.54 acre commercial center	21

The Property Owner has two options to satisfy the condition of approval:

- 1) Submit a Landowner Petition approving annexation of the Subject Property into the District. Approval of the petition and special tax rate allows the City to annually levy the special tax on the property tax bill(s) of the Subject Property. This option is only available if there are fewer than 12 registered voters living within the proposed annexation area. The Office of the Riverside County Registrar of Voters confirmed there were no registered voters residing at the Subject Property allowing for a special election of the landowner to be conducted.
  
- 2) Or, establish a homeowner or property owner association to provide the ongoing maintenance and operation of the improvements.

The Property Owner elected to annex the Subject Property into CFD No. 2014-01 and have the special tax applied to the annual property tax bill. The City Clerk received and reviewed the Property Owner’s Landowner Petition and confirmed the Property Owner unanimously approved the annexation of the Subject Property into the District (Attachment 3). Adoption of the attached resolution (Attachment 1) adds the Subject Property to the tax rate area(s) identified in the table in the Fiscal Impact section of this report and directs the recordation of the boundary map and amended notice of special tax lien for Amendment No. 21 (Attachment 2).

Successful completion of the annexation process satisfies the conditions of approval for the project.

**ALTERNATIVES**

1. Adopt the proposed resolution. *Staff recommends this alternative, as it will annex the Subject Property into CFD No. 2014-01 at the request of the Property Owner and satisfies the condition of approval for the proposed development.*
  
2. Do not adopt the proposed resolution. *Staff does not recommend this alternative as it is contrary to the Property Owner’s request, will not satisfy the condition of approval, and may delay development of the project.*
  
3. Do not adopt the proposed resolution but rather continue the item to a future City Council meeting. *Staff does not recommend this alternative as it will delay the*

*Property Owner from satisfying their conditions of approval and may delay development of their project.*

**FISCAL IMPACT**

Revenue received from the special tax is restricted and can only be used to fund the services for each tax rate area. If the revenue received from the maximum special tax rate will exceed what is necessary to fund the services within each tax rate area, a lower amount will be applied to the property tax bills for all properties within the affected tax rate area. The special tax can only be applied to a property tax bill of a parcel wherein the property owner has previously provided approval. The maximum estimated special tax revenue which can be generated from this project is detailed below:

<b>Property Owner/Project</b>	<b>Service/ Tax Rate Area</b>	<b>Front Linear Footage<sup>1</sup></b>	<b>FY 2016/17 Maximum Special Tax</b>	<b>Estimated FY 2016/17 Maximum Special Tax for the Project<sup>2</sup></b>
Corona South Main Development	Landscaping for Property Other than Single-Family Residential LM-02A	1,226	\$12.05/parcel	\$14,773.30
<sup>1</sup> Based on proposed parcel configuration. The special tax calculation will be based on final development of the project. <sup>2</sup> The special tax applied to the property tax bill will be based on the needs of the District; it may be lower, but cannot exceed the maximum special tax.				

The maximum special tax rates are subject to an annual inflation adjustment based on the change in the Consumer Price Index (CPI) or five percent (5%), whichever is greater. Each year, the City Council must authorize any proposed CPI adjustment prior to the levy of the special tax onto the property tax bills. Increases to the maximum special tax rate cannot exceed the annual inflationary adjustment without a 2/3<sup>rds</sup> approval of the qualified electors (landowners or registered voters depending upon the number of registered voters) within the affected tax rate area.

**NOTIFICATION**

Annexation documentation was mailed to the Property Owner, which included a cover letter, Landowner Petition, RMA, and an envelope to return the completed petition.

**PREPARATION OF STAFF REPORT**

Prepared by:  
Candace E. Cassel  
Special Districts Division Manager

Department Head Approval:  
Ahmad R. Ansari, P.E.,  
Public Works Director/City Engineer

**CITY COUNCIL GOALS**

**Revenue Diversification and Preservation.** Develop a variety of City revenue sources and policies to create a stable revenue base and fiscal policies to support essential City services, regardless of economic climate.

**Community Image, Neighborhood Pride and Cleanliness**. Promote a sense of community pride and foster an excellent image about our City by developing and executing programs which will result in quality development, enhanced neighborhood preservation efforts, including home rehabilitation and neighborhood restoration.

**CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

Objective 5.2: Promote the installation and maintenance of cost effective, low maintenance landscape, hardscape and other improvements which create a clean, inviting community.

**ATTACHMENTS**

- 1. Resolution Ordering Annexation
- 2. Boundary Map
- 3. Certificate of Election Official

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	2/23/17 4:54 PM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 9:22 AM
City Manager Approval	<u>✓ Approved</u>	3/08/17 3:33 PM

## RESOLUTION NO. 2017-15

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, ORDERING THE ANNEXATION OF TERRITORIES TO CITY OF MORENO VALLEY COMMUNITY FACILITIES DISTRICT NO. 2014-01 (MAINTENANCE SERVICES) AND APPROVING THE AMENDED MAPS FOR SAID DISTRICT

WHEREAS, by its Resolution No. 2014-25, the City Council established the City of Moreno Valley Community Facilities District No. 2014-01 (Maintenance Services) (the "CFD") pursuant to the Mello-Roos Community Facilities Act of 1982 (Government Code Section 53311 *et seq.*) (the "Act"); and

WHEREAS, by its Ordinance No. 874, the City Council levied an annual special tax against all non-exempt parcels of real property within the CFD (the "Special Tax") to fund street lighting services and landscape maintenance services; and

WHEREAS, in order to permit landowners to efficiently annex developing parcels to the CFD, the City Council, by its Ordinance No. 889 designated the entire territory of the City as a future annexation area for the CFD and approved the second amended and restated rate and method of apportionment for the Special Tax; and

WHEREAS, the landowners of the parcels listed on Exhibit A to this Resolution, which is attached hereto and incorporated herein by reference, have submitted to the City a petition requesting and approving annexation of the listed parcels (the "Annexation Parcels") to the CFD; and

WHEREAS, the Annexation Parcels are comprised of the territories shown on the boundary map (the "Boundary Map") "Amendment No. 21 to Boundaries of City of Moreno Valley Community Facilities District No. 2014-01 (Maintenance Services), City of Moreno Valley, County of Riverside, State of California" which is included as Exhibit B to this Resolution, and incorporated herein by this reference; and

WHEREAS, the City Council desires to annex the Annexation Parcels to the CFD.

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

1. Recitals. The above recitals are all true and correct and are herein incorporated.

2. Annexation Approved. The Annexation Parcels are hereby added to and part of the CFD with full legal effect. The Annexation Parcels are subject to the Special Tax associated with the Tax Rate Area(s) indicated on Exhibit A to this Resolution.

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Resolution No. 2017-15  
Date Adopted: March 21, 2017



3. Description of Services. The following is a general description of all services (the "Services") provided in the CFD:

A. Landscape Maintenance Services: Maintaining, servicing, and operating landscape improvements and associated appurtenances located within the public right-of-way and within dedicated landscape easements for the CFD. These improvements may include but are not limited to parkways, medians, open space landscaping, fencing, monuments, ornamental lighting, drainage, turf, ground cover, shrubs, vines and trees, irrigation systems, and appurtenant facilities and structures. Fundable costs may include, but are not limited to: (i) contracting costs for landscape maintenance services, including litter removal, (ii) salaries and benefits of City staff, (iii) expenses related to equipment, apparatus, and supplies related to these services, (iv) City administrative and overhead costs associated with providing such services within the CFD, and (v) lifecycle costs associated with the repair and replacement of facilities.

B. Street Lighting Services: Maintaining, servicing, and operating street lights and appurtenant improvements. Fundable costs may include, but are not limited to: (i) contracting costs for street light maintenance, (ii) salaries and benefits of City staff, if the City directly provides street light maintenance services, (iii) utility expenses and the expense related to equipment, apparatus, and supplies related to these services and authorized by the Act, (iv) City administrative and overhead costs associated with providing such services for the CFD, and (v) lifecycle costs associated with the repair and replacement of facilities.

The Annexation Parcels will only be provided with the services indicated on Exhibit A.

4. Amended Boundary Maps. The Boundary Maps attached hereto as Exhibit B are hereby approved. These maps amend, and do not supersede, the existing maps of the CFD. The City Council directs that said maps be filed with the Riverside County Recorder pursuant to Section 3113 of the Streets and Highways Code.

5. Notice of Special Tax Lien. The City Council directs that a revised notice of special tax lien be recorded pursuant to Section 3117.5 of the Streets and Highways Code with respect to the Annexation Parcels associated with the Boundary Maps.

6. This Resolution shall be effective immediately upon adoption.

7. The City Clerk shall certify to the adoption of this Resolution, and shall maintain on file as a public record this Resolution.

8. Severability. That the City Council declares that, should any provision, section, paragraph, sentence or word of this Resolution be rendered or declared invalid by any final court action in a court of competent jurisdiction or by reason of any

2  
Resolution No. 2017-15  
Date Adopted: March 21, 2017

preemptive legislation, the remaining provisions, sections, paragraphs, sentences or words of this Resolution as hereby adopted shall remain in full force and effect.

9. Repeal of Conflicting Provisions. That all the provisions heretofore adopted by the City Council that are in conflict with the provisions of this Resolution are hereby repealed.

APPROVED AND ADOPTED this 21<sup>st</sup> day of March, 2017.

\_\_\_\_\_  
Mayor of the City of Moreno Valley

ATTEST:

\_\_\_\_\_  
City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney

3  
Resolution No. 2017-15  
Date Adopted: March 21, 2017

Attachment: Resolution Ordering Annexation [Revision 1] (2310 : PURSUANT TO LANDOWNER PETITIONS, ANNEX CERTAIN PARCELS INTO

**RESOLUTION JURAT**

STATE OF CALIFORNIA        )  
COUNTY OF RIVERSIDE       ) ss.  
CITY OF MORENO VALLEY     )

I, Patricia Jacquez-Narez, City Clerk of the City of Moreno Valley, California, do hereby certify that Resolution No. 2017-15 was duly and regularly adopted by the City Council of the City of Moreno Valley at a regular meeting thereof held on the 21<sup>st</sup> day of March, 2017 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

(Council Members, Mayor Pro Tem and Mayor)

\_\_\_\_\_  
CITY CLERK

(SEAL)

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Resolution No. 2017-15  
Date Adopted: March 21, 2017

Attachment: Resolution Ordering Annexation [Revision 1] (2310 : PURSUANT TO LANDOWNER PETITIONS, ANNEX CERTAIN PARCELS INTO

EXHIBIT A

List of Annexation Parcels

Boundary Map Amendment No.	Assessor's Parcel Number	Services	Tax Rate Area & Maintenance Category
Amendment No. 21	291-650-013	Landscape Maintenance Services	LM-02A
	291-650-014	Landscape Maintenance Services	LM-02A
	291-650-015	Landscape Maintenance Services	LM-02A
	291-650-016	Landscape Maintenance Services	LM-02A

Based on current development plans, it is anticipated that the Annexation Group will be in the Maintenance Category listed above; however all taxes will be calculated as set forth in the Rate and Method of Apportionment.

The parcels associated with the boundary maps constitute a separate Annexation Group for purpose of calculating the applicable Maintenance Category (where applicable) for each Tax Rate Area. The anticipated Maintenance Category (where applicable) is shown in parenthesis following the Tax Rate Area. All capitalized terms in this paragraph have the meanings set forth in the Rate and Method of Apportionment.

EXHIBIT B

SHEET 1 OF 1

FILED IN THE OFFICE OF THE CITY CLERK THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 201\_\_

**AMENDMENT NO. 21 TO BOUNDARIES  
OF CITY OF MORENO VALLEY COMMUNITY  
FACILITIES DISTRICT NO. 2014-01 (MAINTENANCE SERVICES)**

CITY OF MORENO VALLEY  
COUNTY OF RIVERSIDE  
STATE OF CALIFORNIA

**VICINITY MAP**

(This map amends, by adding the additional territory shown hereon, the boundary map for City of Moreno Valley Community Facilities District No. 2014-01 (Maintenance Services), City of Moreno Valley, Riverside County, State of California, prior recorded at Book 78 of Maps of Assessment and Community Facilities Districts at page 69, in the office of the County Recorder for the County of Riverside, State of California.)

FILED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_ 201\_\_  
AT THE HOUR OF \_\_\_\_\_ O'CLOCK \_\_\_\_\_ M. IN BOOK \_\_\_\_\_  
PAGE(S) \_\_\_\_\_ OF MAPS OF ASSESSMENT  
AND COMMUNITY FACILITIES DISTRICT AND INSTRUMENT NO. \_\_\_\_\_  
IN THE OFFICE OF THE COUNTY RECORDER  
IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

CITY CLERK  
CITY OF MORENO VALLEY

I HEREBY CERTIFY THAT THE WITHIN MAP SHOWING AMENDED BOUNDARIES OF CITY OF MORENO VALLEY COMMUNITY FACILITIES DISTRICT NO. 2014-01 (MAINTENANCE SERVICES), CITY OF MORENO VALLEY, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, WAS APPROVED BY THE CITY COUNCIL OF THE CITY OF MORENO VALLEY AT A REGULAR MEETING THEREOF HELD ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_ 201\_\_ BY ITS RESOLUTION NO. \_\_\_\_\_

CITY CLERK  
CITY OF MORENO VALLEY

COUNTY RECORDER  
COUNTY OF RIVERSIDE  
STATE OF CALIFORNIA

REFERENCE IS MADE TO THAT BOUNDARY MAP OF THE COMMUNITY FACILITIES DISTRICT NO. 2014-01 (MAINTENANCE SERVICES) OF THE CITY OF MORENO VALLEY RECORDED WITH THE RIVERSIDE COUNTY RECORDER'S OFFICE ON FEBRUARY 20, 2014 IN BOOK 78 OF MAPS OF ASSESSMENT AND COMMUNITY FACILITIES DISTRICTS, PAGE 69 AS INSTRUMENT NO. 2014-0060114.

REFERENCE IS FURTHER MADE TO ANNEXATION MAP NO. 2 OF COMMUNITY FACILITIES DISTRICT NO. 2014-01 (MAINTENANCE SERVICES) OF CITY OF MORENO VALLEY, COUNTY OF RIVERSIDE, CALIFORNIA (TERRITORY PROPOSED FOR ANNEXATION IN THE FUTURE, WITH THE CONDITION THAT PARCELS WITHIN THAT TERRITORY MAY BE ANNEXED ONLY WITH THE UNANIMOUS APPROVAL OF THE OWNER OR OWNERS OF EACH PARCEL OR PARCELS AT THE TIME THAT PARCEL OR THOSE PARCELS ARE ANNEXED) RECORDED WITH THE RIVERSIDE COUNTY RECORDER'S OFFICE ON DECEMBER 17, 2014 IN BOOK 77, PAGE 78 OF MAPS OF ASSESSMENT AND COMMUNITY FACILITIES DISTRICTS AS INSTRUMENT NO. 2014-0461134, WHICH DESIGNATED THE TERRITORY SHOWN HEREIN AS TERRITORY FOR FUTURE ANNEXATION TO THE COMMUNITY FACILITIES DISTRICT REFERENCED THEREON.

THE LINES AND DIMENSIONS OF EACH LOT OR PARCEL SHOWN ON THIS DIAGRAM SHALL BE THOSE LINES AND DIMENSIONS AS SHOWN ON THE RIVERSIDE COUNTY ASSESSOR'S MAPS FOR THOSE PARCELS LISTED.

THE RIVERSIDE COUNTY ASSESSOR'S MAPS SHALL GOVERN FOR ALL DETAILS CONCERNING THE LINES AND DIMENSIONS OF SUCH LOTS OR PARCELS.

MAP REFERENCE NUMBER	ASSESSOR'S PARCEL NUMBER
1	291-850-013
2	291-850-014
3	291-850-015
4	291-850-016

**Legend**

  Map Reference Number

  Additional Area to CFD 2014-01

1 inch = 113 feet

**WILLDAN**  
Financial Services  
27265 Via Indefatiga, Suite 200  
Torrance, CA 90503  
(909) 967-2600

Attachment: Resolution Ordering Annexation [Revision 1] (2310 : PURSUANT TO LANDOWNER PETITIONS, ANNEX CERTAIN PARCELS INTO

6  
Resolution No. 2017-15  
Date Adopted: March 21, 2017



# AMENDMENT NO. 21 TO BOUNDARIES OF CITY OF MORENO VALLEY COMMUNITY FACILITIES DISTRICT NO. 2014-01 (MAINTENANCE SERVICES)

CITY OF MORENO VALLEY  
COUNTY OF RIVERSIDE  
STATE OF CALIFORNIA

FILED IN THE OFFICE OF THE CITY CLERK THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 201\_\_.

CITY CLERK  
CITY OF MORENO VALLEY

I HEREBY CERTIFY THAT THE WITHIN MAP SHOWING AMENDED BOUNDARIES OF CITY OF MORENO VALLEY COMMUNITY FACILITIES DISTRICT NO. 2014-01 (MAINTENANCE SERVICES), CITY OF MORENO VALLEY, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA, WAS APPROVED BY THE CITY COUNCIL OF THE CITY OF MORENO VALLEY AT A REGULAR MEETING THEREOF, HELD ON THE \_\_\_\_\_ DAY OF \_\_\_\_\_, 201\_\_, BY ITS RESOLUTION NO. \_\_\_\_\_

CITY CLERK  
CITY OF MORENO VALLEY

FILED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 201\_\_, AT THE HOUR OF \_\_\_\_\_ O'CLOCK \_\_\_\_\_ M. IN BOOK \_\_\_\_\_ PAGE(S) \_\_\_\_\_ OF MAPS OF ASSESSMENT AND COMMUNITY FACILITIES DISTRICT AND INSTRUMENT NO. \_\_\_\_\_ IN THE OFFICE OF THE COUNTY RECORDER IN THE COUNTY OF RIVERSIDE, STATE OF CALIFORNIA.

COUNTY RECORDER  
COUNTY OF RIVERSIDE  
STATE OF CALIFORNIA

REFERENCE IS MADE TO THAT BOUNDARY MAP OF THE COMMUNITY FACILITIES DISTRICT NO. 2014-01 (MAINTENANCE SERVICES) OF THE CITY OF MORENO VALLEY RECORDED WITH THE RIVERSIDE COUNTY RECORDER'S OFFICE ON FEBRUARY 20, 2014 IN BOOK 76 OF MAPS OF ASSESSMENT AND COMMUNITY FACILITIES DISTRICTS, PAGE 69 AS INSTRUMENT NO. 2014-0066114.

REFERENCE IS FURTHER MADE TO ANNEXATION MAP NO. 2 OF COMMUNITY FACILITIES DISTRICT NO. 2014-01 (MAINTENANCE SERVICES) OF CITY OF MORENO VALLEY, COUNTY OF RIVERSIDE, CALIFORNIA (TERRITORY PROPOSED FOR ANNEXATION IN THE FUTURE, WITH THE CONDITION THAT PARCELS WITHIN THAT TERRITORY MAY BE ANNEXED ONLY WITH THE UNANIMOUS APPROVAL OF THE OWNER OR OWNERS OF EACH PARCEL OR PARCELS AT THE TIME THAT PARCEL OR THOSE PARCELS ARE ANNEXED) RECORDED WITH THE RIVERSIDE COUNTY RECORDER'S OFFICE ON DECEMBER 17, 2014 IN BOOK 77, PAGE 78 OF MAPS OF ASSESSMENT AND COMMUNITY FACILITIES DISTRICTS AS INSTRUMENT NO. 2014-0481134, WHICH DESIGNATED THE TERRITORY SHOWN HEREIN AS TERRITORY FOR FUTURE ANNEXATION TO THE COMMUNITY FACILITIES DISTRICT REFERENCED THEREON.

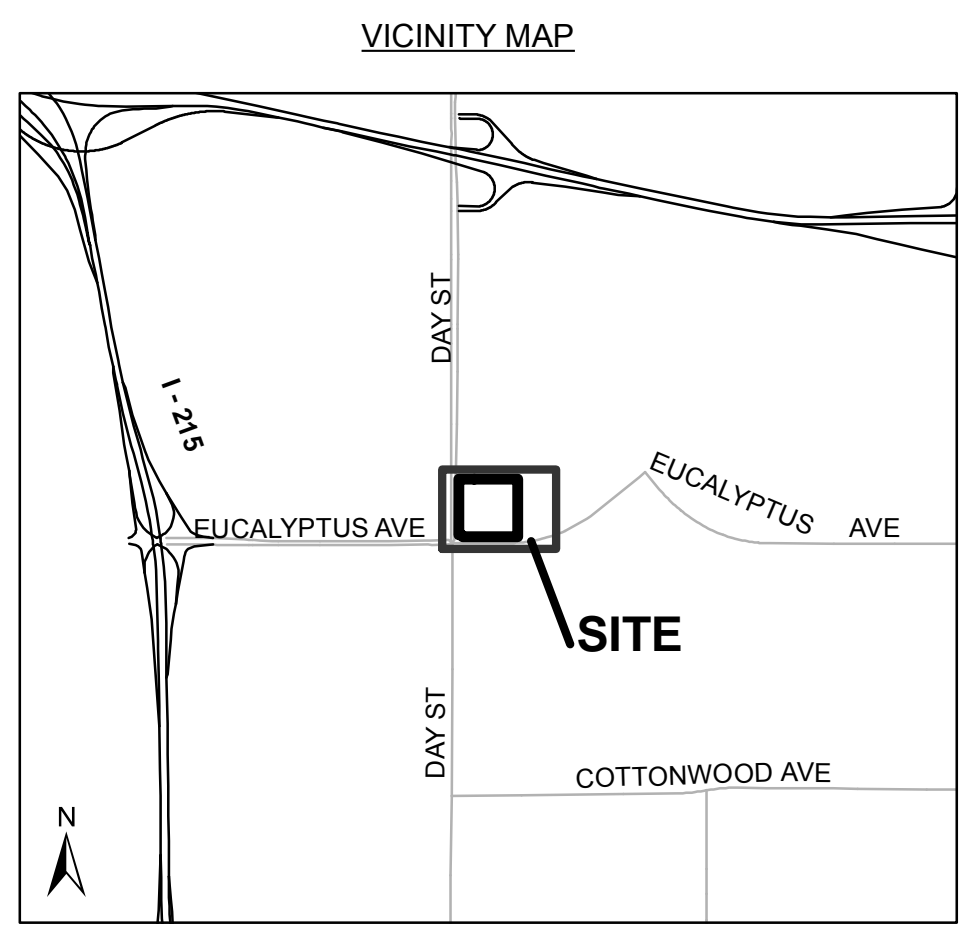
THE LINES AND DIMENSIONS OF EACH LOT OR PARCEL SHOWN ON THIS DIAGRAM SHALL BE THOSE LINES AND DIMENSIONS AS SHOWN ON THE RIVERSIDE COUNTY ASSESSOR'S MAPS FOR THOSE PARCELS LISTED.

THE RIVERSIDE COUNTY ASSESSOR'S MAPS SHALL GOVERN FOR ALL DETAILS CONCERNING THE LINES AND DIMENSIONS OF SUCH LOTS OR PARCELS.

MAP REFERENCE NUMBER	ASSESSOR'S PARCEL NUMBER
1	291-650-013
2	291-650-014
3	291-650-015
4	291-650-016

### Legend

- Map Reference Number
  - Additional Area to CFD 2014-01
- 1 inch = 113 feet



(This map amends, by adding the additional territory shown hereon, the boundary map for City of Moreno Valley Community Facilities District No. 2014-01 (Maintenance Services), City of Moreno Valley, Riverside County, State of California, prior recorded at Book 76 of Maps of Assessment and Community Facilities Districts at page 69, in the office of the County Recorder for the County of Riverside, State of California.)



Attachment: Boundary Map (2310 : PURSUANT TO LANDOWNER PETITIONS, ANNEX CERTAIN PARCELS INTO COMMUNITY FACILITIES DISTRICT NO. 2014-0)

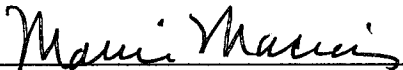
**CERTIFICATE OF ELECTION OFFICIAL  
AND CONFIRMATION OF LANDOWNER PETITION**

STATE OF CALIFORNIA            )  
COUNTY OF RIVERSIDE        ) ss.  
CITY OF MORENO VALLEY        )

The undersigned, Election Official of the City of Moreno Valley, County of Riverside, State of California, Does Hereby Certify that on February 14, 2017, I did verify the completeness of the Landowner Petition for the annexation of property into

CITY OF MORENO VALLEY COMMUNITY FACILITIES DISTRICT NO. 2014-01  
(MAINTENANCE SERVICES) – AMENDMENT NO. 21

WITNESS my hand this 14<sup>th</sup> day of February, 2017.

  
\_\_\_\_\_  
ELECTION OFFICIAL  
CITY OF MORENO VALLEY  
STATE OF CALIFORNIA

Attachment: Certificate of Election Official (2310 : PURSUANT TO LANDOWNER PETITIONS, ANNEX CERTAIN PARCELS INTO COMMUNITY



## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Joel Ontiveros, Chief of Police  
Zachary Hall, Lieutenant

**AGENDA DATE:** March 21, 2017

**TITLE:** POLICE K9 DONATION

---

### **RECOMMENDED ACTION**

#### **Recommendation:**

1. Accept one donated Police K9, valued at \$11,000, from Adlerhorst International.

### **SUMMARY**

This report recommends acceptance of an \$11,000 donation from Adlerhorst International in the form of one Police K9. This donated K9 would replace the Police K9 Ivan.

### **DISCUSSION**

K9 Ivan (asset #300124) was euthanized on February 23, 2017, due to medical issues. K9 Ivan was purchased from Adlerhorst International on June 30, 2011, for \$12,970. Adlerhorst International offered to donate a replacement K9, valued at \$11,000, to the City of Moreno Valley. This replacement K9 will be trained to fill K9 Ivan's place in Moreno Valley Police Department operations.

### **ALTERNATIVES**

- 1) Accept the donation of one Police K9, valued at \$11,000. ***Staff recommends this alternative as it will save the City the cost of purchasing another K9.***
- 2) Do not accept the donation. ***Staff does not recommend this alternative as it will result in additional General Fund expenses to replace the K9.***

**FISCAL IMPACT**

The fiscal impact of accepting a donated Police K9, valued at \$11,000, will not affect the Moreno Valley Police Department’s expenditure and revenue budgets, nor will it affect the City’s General Fund.

**NOTIFICATION**

Publication of the Agenda.

**PREPARATION OF STAFF REPORT**

Prepared By:  
Name Zachary Hall  
Title Lieutenant, Moreno Valley Police Department

Department Head Approval:  
Name Joel Ontiveros  
Title Chief of Police

Concurred By:  
Name Terrie Stevens  
Title Administrative Services Director

**CITY COUNCIL GOALS**

**Public Safety.** Provide a safe and secure environment for people and property in the community, control the number and severity of fire and hazardous material incidents, and provide protection for citizens who live, work and visit the City of Moreno Valley.

**CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

**ATTACHMENTS**

None

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	3/16/17 1:33 PM
City Attorney Approval	<u>✓ Approved</u>	3/16/17 1:50 PM
City Manager Approval	<u>✓ Approved</u>	3/16/17 1:51 PM



## Report to City Council

---

**TO:** Mayor and City Council Acting in its Capacity as President and Members of the Board of Directors of the Moreno Valley Community Services District (CSD)

**FROM:** Betsy Adams, Parks & Community Services Director

**AGENDA DATE:** March 21, 2017

**TITLE:** ADOPTION OF A RESOLUTION TO CERTIFY REDUCED DAYS OF OPERATION AND ATTENDANCE OF "A CHILD'S PLACE" PROGRAM DUE TO EMERGENCY CONDITIONS ON JANUARY 23, 2017

---

### **RECOMMENDED ACTION**

#### **Recommendation:**

1. Adopt Resolution No. CSD 2017-03. A resolution of the Moreno Valley Community Services District of the City of Moreno Valley, California, to certify reduced days of operation and attendance of A Child's Place Program due to emergency conditions on January 23, 2017.

### **SUMMARY**

Val Verde Unified School District closed all schools on January 23, 2017 due to emergency weather conditions which resulted in a one (1) day closure of the City's child care program at Rainbow Ridge Elementary. The California Department of Education (CDE) provides grant funding for the child care program based on participant daily attendance. Therefore, in order for the Community Services District (CSD) to obtain reimbursement from the CDE for the closure, the CSD is required to adopt a resolution certifying that the program was closed due to emergency conditions.

### **DISCUSSION**

This program provides licensed after school child care during the traditional school year and school vacation days, utilizing five elementary schools: Creekside, Sunnymead, Rainbow Ridge, and Armada during the school year; and Red Maple during school



breaks. The program serves children between the ages of kindergarten through 12 years of age and has been in effect since January of 1997. Funding for the program is provided through the Early Education and Support Division of the CDE, for all operational days of the fiscal year, excluding City holidays and weekends.

The Child's Place Program at Rainbow Ridge Elementary was impacted by an emergency closure on January 23, 2017. The Val Verde Unified School District closed all schools in the district for weather-related and safety concerns.

As part of California Department of Education policy, the Moreno Valley Community Services District must formally certify reduced days of operation and attendance due to emergency conditions by adopting a corresponding resolution. This action would then allow CDE to review and approve reimbursement for the emergency closure of one (1) day. This program is primarily supported by grant funds from CDE, and, therefore, a non-reimbursable day would otherwise negatively impact the program.

### **ALTERNATIVES**

1. Certify reduced days of operation and attendance of A Child's Place Program due to emergency conditions on January 23, 2017. *Staff recommends this alternative as it will allow the City to request reimbursement from the California Department of Education for this unexpected closure.*
2. Do not certify reduced days of operation and attendance of A Child's Place Program due to emergency conditions on January 23, 2017. *Staff does not recommend this alternative as it will **not** allow the City to request reimbursement from the California Department of Education.*

### **FISCAL IMPACT**

The Child Care and Development Services grant funds program expenditures on a cost reimbursement basis. **The program operates strictly under grant funds, program fees and food program revenue to provide licensed school age child care and development services.** The General Fund does not financially support this program. **Therefore, any non-reimbursable days would negatively impact the program.**

### **NOTIFICATION**

Posting of the Agenda

### **PREPARATION OF STAFF REPORT**

Prepared By:  
Sandra Contreras  
Senior Management Analyst

Department Head Approval:  
Gabriel Garcia  
Director of Parks and Community Services

### **CITY COUNCIL GOALS**

**Revenue Diversification and Preservation.** Develop a variety of City revenue sources and policies to create a stable revenue base and fiscal policies to support essential City services, regardless of economic climate.

**Public Safety.** Provide a safe and secure environment for people and property in the community, control the number and severity of fire and hazardous material incidents, and provide protection for citizens who live, work and visit the City of Moreno Valley.

**Positive Environment.** Create a positive environment for the development of Moreno Valley's future.

**CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

Objective 6.2: Improve health, wellness and fitness for Moreno Valley youth through recreation and sports programs.

**ATTACHMENTS**

- 1. Resolution No. CSD 2017-03
- 2. VVUSD Closure 012317
- 3. CDE Management Bulletin 10-09
- 4. Governor's Executive Order 012317

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	2/23/17 5:53 PM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 9:44 AM
City Manager Approval	<u>✓ Approved</u>	3/08/17 3:37 PM

## RESOLUTION NO. CSD 2017-03

A RESOLUTION OF THE MORENO VALLEY COMMUNITY SERVICES DISTRICT OF THE CITY OF MORENO VALLEY, CALIFORNIA, TO CERTIFY REDUCED DAYS OF OPERATION AND ATTENDANCE OF A CHILD'S PLACE PROGRAM DUE TO EMERGENCY CONDITIONS ON JANUARY 23, 2017

WHEREAS, the Moreno Valley Community Services District Board of Directors desires to provide school age child care services to the citizens of Moreno Valley during FY 2016/17; and

WHEREAS, the Moreno Valley Community Services District Board of Directors has entered into Contract CCTR-6168 with the California Department of Education for the purpose of providing child care and development services; and

WHEREAS, the Child's Place Program incurred operational expenses for January 23, 2017

NOW, THEREFORE, THE MORENO VALLEY COMMUNITY SERVICES DISTRICT OF THE CITY OF MORENO VALLEY, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

1. Certify that the closure of the Child's Place Program on January 23, 2017 at Rainbow Ridge Elementary School was out of the control of the Moreno Valley Community Services District; and
2. Certify that the Val Verde Unified School District called for the weather-related closure of all schools in that district due to safety concerns on January 23, 2017; and
3. Request approval from the California Department of Education for program reimbursement for January 23, 2017, based on the average daily attendance at the Rainbow Ridge Child's Place Program for the week prior to January 23, 2017.

1  
Resolution No. CSD 2017-03  
Date Adopted: March 21, 2017

APPROVED AND ADOPTED this 21st day of March, 2017.

\_\_\_\_\_  
Mayor of the City of Moreno Valley,  
acting in the capacity of President of the Board  
of Directors of the Moreno Valley Community  
Services District

ATTEST:

\_\_\_\_\_  
City Clerk, acting in the capacity of  
Secretary of the Moreno Valley  
Community Services District

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney, acting in the capacity  
of General Legal Counsel of the Moreno  
Valley Community Services District

2  
Resolution No. CSD 2017-03  
Date Adopted: March 21, 2017

Attachment: Resolution No. CSD 2017-03 [Revision 2] (2490 : RESOLUTION TO CERTIFY REDUCED DAYS OF OPERATION FOR A CHILD'S

**RESOLUTION JURAT**

STATE OF CALIFORNIA     )  
COUNTY OF RIVERSIDE    ) ss.  
CITY OF MORENO VALLEY )

I, Patricia Jacquez-Nares, City Clerk of the City of Moreno Valley, California, do hereby certify that Resolution No. CSD 2017-03 was duly and regularly adopted by the Board of Directors of the Moreno Valley Community Services District of the City of Moreno Valley at a regular meeting held on the 16<sup>th</sup> day of August, 2016, by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

\_\_\_\_\_  
CITY CLERK

(SEAL)

3  
Resolution No. CSD 2017-03  
Date Adopted: March 21, 2017

Attachment: Resolution No. CSD 2017-03 [Revision 2] (2490 : RESOLUTION TO CERTIFY REDUCED DAYS OF OPERATION FOR A CHILD'S

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Val Verde Unified School District » District News » What's New » All schools closed Monday January 23, 2017

## All schools closed Monday January 23, 2017

Posted on 01/22/2017



We'd like to thank you for your patience while we've closely monitored this evenings weather and flooding, and have come to the conclusion that for the safety of our students, staff, and parents, all schools will be closed on Monday, 1/23/17.

Val Verde Unified School District Administration

### Val Verde Unified School District

975 West Morgan Street, Perris, CA 92571 | Phone (951) 940-6100



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Attachment: VVUSD Closure 012317 (2490 : RESOLUTION TO CERTIFY REDUCED DAYS OF OPERATION FOR A CHILD'S PLACE PROGRAM





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## Management Bulletin 10-09

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### Early Education and Support Division

**Subject:** Reduced Days of Operation or Attendance Due to Emergency Conditions

**Number:** 10-09

**Date:** October 2010

**Expires:** Until Rescinded

**Authority:** California *Education Code* Section 8271

**Attention:** Executive Officers and Program Directors of all Child Care and Development Programs

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### Purpose

The purpose of this Management Bulletin, which supersedes Management Bulletin 09–16, is to remind agencies that California *Education Code (EC)* Section 8271 provides against loss of funds due to circumstances that are beyond control of the contractor.

### Background

This Management Bulletin, which supersedes Management Bulletin 09–16, is to remind agencies that *EC* Section 8271 provides against loss of funds due to circumstances that are beyond control of the contractor. It states:

In the event that operating agencies are unable to operate due to incomplete renovations authorized by administering state agencies, or due to circumstances beyond the control of the operating agency, including earthquakes, floods, or fires, such programs shall not be penalized for incurred program expenses nor in subsequent annual budget allocations.

Circumstances beyond the control of operating contractors include, but are not necessarily limited to:

1. Earthquakes
2. Floods
3. Fires

4. Epidemics
5. Impassable roads
6. The imminence of a major health or safety hazard, as determined by the local health department or law enforcement agency
7. A strike affecting transportation services for children provided by a non-agency entity
8. Incomplete facility renovations authorized by the California Department of Education, pursuant to California *Education Code* sections 8277.1 and 8277.2
9. State of California budget impasse

## Policy

Whenever a contractor's days of operation are reduced for any of the above reasons, and the reduction in days of operation did not require the contractor to reduce staff through layoffs or unpaid furloughs, the contractor's governing board, or the executive office for contractors not having a governing board, must adopt a resolution that clearly and fully describes the nature of the emergency condition as well as the specific effect on program operations. The resolution should include:

- Dates program operation was necessarily suspended or substantially reduced
- Daily attendance for both certified and non-certified children for the week prior to the date operation was suspended or reduced

Whenever the contractor's days of operation are reduced because of a state budget impasse and this reduction requires the contractor to reduce staff through layoffs or unpaid furloughs, the contractor may request reimbursement for ongoing administrative and operational expenses that occurred during the emergency closure. The contractor's governing board, or the executive office for contractors not having a governing board, must adopt a resolution that clearly and fully describes the nature of the emergency condition as well as the specific effect on program operation. The resolution should include:

- Dates program operation was suspended
- A detailed list of actual program expenses incurred during the period of closure

## Application Submission Requirements

The resolution should be faxed, e-mailed, or mailed to the appropriate Field Services Office Consultant in the Early Education and Support Division (EESD). Upon receiving the resolution, the EESD will jointly review the information with Child Development Fiscal Services to determine the amount of reimbursement for actual program expense incurred during the period of closure or reduced operation. Funding in subsequent fiscal years will not be affected by the above, contingent upon the availability of funds appropriated in the Annual Budget Act.

If you have any questions, please contact your assigned EESD Field Services Consultant at <http://www.cde.ca.gov/sp/cd/ci/assignments.asp> or by phone at 916-322-6233.

***This Management Bulletin is mandatory only to the extent that it cites a specific statutory and/or regulatory requirement. Any portion of this Management Bulletin that is not supported by a specific statutory and/or regulatory requirement is not prescriptive pursuant to California Education Code Section 33308.5.***

**Questions: Early Education and Support Division | 916-322-6233**

Last Reviewed: Tuesday, May 10, 2016

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Attachment: CDE Management Bulletin 10-09 [Revision 1] (2490 : RESOLUTION TO CERTIFY REDUCED DAYS OF OPERATION FOR A CHILD'S

## Executive Department

State of California

### EXECUTIVE ORDER B-38-17

**WHEREAS** on January 23, 2017, I proclaimed a state of emergency to exist within 49 counties due to a storm system resulting from an atmospheric river that swept across California beginning on January 3, 2017, and I ordered the California Department of Transportation to formally request immediate assistance through the Federal Highway Administration's Emergency Relief Program for those 49 counties; and

**WHEREAS** the storm system, which brought high winds, substantial rain, snowfall, and flooding, caused harm to people and property by damaging public and private facilities, forcing the evacuation of residents, and requiring the opening of emergency shelters; and

**WHEREAS** the effects of the storm system caused damage to roads and highways throughout the state as a result of flooding, mud and debris flows, and erosion; and

**WHEREAS** these conditions require continuing emergency response, including significant repair and reconstruction work and debris removal; and

**WHEREAS** under the provisions of Government Code section 8558(b), I find that conditions of extreme peril to the safety of persons and property exist due to the storm damage in Amador, Mono, and Riverside Counties; and

**WHEREAS** under the provisions of Government Code section 8571, I find that strict compliance with the various statutes and regulations specified in this order would prevent, hinder, or delay the mitigation of the effects of the storm system; and

**NOW, THEREFORE, I, EDMUND G. BROWN JR.**, Governor of the State of California, in accordance with the authority vested in me by the Constitution and statutes of the State of California, including the Emergency Services Act and in particular, Government Code sections 8567 and 8625, do **HEREBY PROCLAIM A STATE OF EMERGENCY** to exist within Amador, Mono, and Riverside County, and issue the following orders to become effective immediately:

#### IT IS HEREBY ORDERED THAT:

1. The provisions of my January 23, 2017, State of Emergency Proclamation for the storm system occurring beginning on January 3, 2017, hereby also apply to the **counties of Amador, Mono, and Riverside.**
2. The California Department of Transportation shall formally request immediate assistance through the Federal Highway Administration's Emergency Relief Program, Title 23, United States Code section 125, in order to obtain federal assistance for highway repairs or reconstruction to the counties of Amador and Riverside.
3. Based upon the damage assessments for the time period of January 3 through January 12, 2017, under the authority of the California Disaster Assistance Act, Government Code section 8680 et seq. and California Code of Regulations, Title 19, section 2900 et seq., I hereby authorize California Disaster Assistance Act funding to the counties of Alameda, Amador, Butte, Calaveras, Contra Costa, El Dorado, Humboldt, Inyo, Lake, Lassen, Marin, Mendocino, Merced, Mono, Monterey, Napa, Nevada, Placer, Plumas, Sacramento, San Benito, San Luis Obispo, Santa Clara, Santa Cruz, Shasta, Sierra, Siskiyou, Solano, Sonoma, Sutter, Trinity, Tuolumne, Yolo, and Yuba.



- 4. It is hereby ordered that the limitation for the period of employment for State Personnel Board emergency appointments, as provided in Government Code section 19888.1, is waived for positions required for emergency and/or recovery operations. The requirements and period of employment for such appointments will be determined by the Office of Emergency Services, but shall not extend beyond the termination date of the State of Emergency.

This Order is not intended to, and does not, create any rights or benefits, substantive or procedural, enforceable at law or in equity, against the State of California, its agencies, departments, entities, officers, employees, or any other person.

**I FURTHER DIRECT** that as soon as hereafter possible, this Order be filed in the Office of the Secretary of State and that widespread publicity and notice be given of this Order.



**IN WITNESS WHEREOF** I have hereunto set my hand and caused the Great Seal of the State of California to be affixed this 10th day of February 2017.

*Edmund G. Brown Jr.*  
 EDMUND G. BROWN JR.  
 Governor of California

**ATTEST:**

*Alex Padilla*  
 ALEX PADILLA  
 Secretary of State







## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Allen Brock, Community Development Director

**AGENDA DATE:** March 21, 2017

**TITLE:** LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL USE PERMIT, AND TENTATIVE TRACT MAP 36760 FOR A 53 ACRE SINGLE FAMILY DWELLING PROJECT AT THE SOUTHEAST CORNER OF INDIAN STREET AND GENTIAN AVENUE, PROPOSED RELATED ENVIRONMENTAL DOCUMENT MITIGATED NEGATIVE DECLARATION

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### **RECOMMENDED ACTION**

#### **Recommendations: That the City Council:**

1. Conduct a public hearing for the Legacy Park Project.
2. Adopt Mitigated Negative Declaration prepared in connection with the Project.
3. Approve Resolution No. 2017-16. A Resolution of the City Council of the City of Moreno Valley, California, Approving a General Plan Amendment (PEN16-0092) to change the Land Use Designation from Residential 30 to Residential 5 for approximately 15 acres located within Assessor's Parcel Number 485-220-040 located south of Gentian Avenue and on the west side of the California Aqueduct.
4. Introduce Ordinance No. 922. An Ordinance of the City Council of the City of Moreno Valley, California, Approving a Zone Change (PEN16-0093) from R30 to R5 for approximately 15 acres located within Assessor's Parcel Number 485-220-040 located south of Gentian Avenue and on the west side of the California Aqueduct.
5. Approve Resolution No. 2017-17. A Resolution of the City Council of the City of Moreno Valley, California, Approving Conditional Use Permit PEN16-0094 for a



221 lot Planned Unit Development on approximately 53 acres of Assessor's Parcel Numbers 485-220-023, 485-220-032, and 485-220-040 located at the southeast corner of Indian Street and Gentian Avenue.

6. Approve Resolution No. 2017-18. A Resolution of the City Council of the City of Moreno Valley, California, Approving Tentative Tract Map 36760 (Application PEN16-0095) to subdivide the approximately 53 acres of Assessor's Parcel Numbers 485-220-023, 485-220-032, and 485-220-040 located at the southeast corner of Indian Street and Gentian Avenue.

## **SUMMARY**

This report recommends approval of the Legacy Park project, as proposed by the Mission Pacific Land Company. The project proposes to develop a 221 unit single family residential Planned Unit Development on approximately 53 acres at the southeast corner of Indian Street and Gentian Avenue. The project site abuts the west side of the California Aqueduct. The project as proposed requires legislative actions by the City Council for a General Plan Amendment and Zone Change in order to change the land use designation and zoning district for the 15 acre eastern portion of the project site from Residential 30 (R30) to Residential 5 (R5). In addition, the applicant is seeking approval of a Tentative Tract Map to subdivide the site into 221 lots, and a Conditional Use Permit to allow for the Planned Unit Development (PUD). The (PUD) will set the neighborhood design, lot configurations, establish parks, common recreational areas and open space, and design guidelines for the planned residential community.

## **DISCUSSION**

A Planning Commission public hearing was held for this project on January 26, 2017. At the meeting, staff presented the project and the related Mitigated Negative Declaration. Following the staff presentation, comments were taken from the applicant and the public hearing was opened. One resident spoke in favor of the project as the only public testimony on the project.

The Planning Commission inquired about construction of and access to a segment of the Juan Bautista De Anza Trail within the adjacent California Aqueduct easement. The Commission also discussed City policy regarding maintenance of reverse frontage parkways along arterial roadways. And, the Planning Commission entertained additional dialogue with staff on the proposed fencing for the public park. Following discussion regarding the best way to secure the 2.8 acre public park, the Planning Commission recommended revising the proposed condition of approval to allow for flexibility in the fence design. Upon concluding deliberations on the project, the Planning Commission voted unanimously 6-0-0 (one absent) to recommend the City Council adopt a Mitigated Negative Declaration for the project and to approve the proposed General Plan Amendment, Zone Change, Conditional Use Permit and Tentative Tract Map.

## **Project**

The project includes applications for a General Plan Amendment (PEN16-0092), Zone Change (PEN16-0093), Conditional Use Permit (PEN16-0094) and Tentative Tract Map (PEN16-0095).

The following is a brief discussion of each of the applications. Complete details about the project are included in Attachment 12, which is the full Planning Commission staff report for this project.

### **Land Use Changes – PEN16-0092 and PEN16-0093**

The applicant proposes a General Plan Amendment to change the General Plan designation for the 15 acre triangular shaped parcel, which makes up the eastern portion of the project area, from Residential 30 (maximum of 30 dwelling units per acre) to Residential 5 (maximum of five dwelling units per acre). In addition to the General Plan Amendment, a Zone Change to change the zoning district from R30 to R5 is required to ensure consistency between the resulting general plan and zoning classifications. As a result of the proposed land use changes the entire project site becomes developable as a lower density high quality planned community as desired by the applicant.

### **Planned Unit Development (Conditional Use Permit) – PEN16-0094**

The applicant is seeking approval of a Planned Unit Development (PUD) for the project in order to access the flexibility afforded by the Municipal Code for PUD development standards. Specifically, the PUD for the Legacy Park project proposes to define two distinct planning areas (neighborhoods) within the overall project area, with each planning area having minimum lot sizes of 4,000 and 5,000 square feet respectively. As a whole, based on the layout and lot mix, the overall average lot size calculates to approximately 5,800 square feet as compared to the 7,200 square feet typically required in R5 zone property. The PUD guidelines further establish unique development standards along with architectural guidelines for development of a 221 lot planned residential community. The Design Guidelines for the project outline specific site development standards, architectural styles of the buildings, criteria for community walls, fences and landscape, hardscape and common area elements.

Amenities unique to the PUD include pocket parks, landscape paseos, trail connections to the adjacent Juan Bautista de Anza Trail, decorative treatment in Street L at major intersections, and a median in Street L at Gentian.

### **Tentative Tract Map – PEN16-0095**

Tentative Tract Map 36760 proposes to subdivide the 53 acres of the project site into 221 single family residential tract lots with additional lettered lots for basins for storm water/water quality treatment, a segment of the Juan Bautista de Anza trail over the California Aqueduct, public streets, pocket parks, and a 2.8 acre neighborhood park

site. The proposed subdivision has been designed for consistency with the City's R5 zone and with the proposed development standards of the Legacy Park PUD.

Conditions of Approval are included to ensure the project will construct a segment of the Juan Bautista De Anza Trail within the adjacent California Aqueduct easement and will construct the public park of approximately 2.8 acres located in the south portion of the project, adjacent the baseball fields at March Middle School.

## **Environmental**

The City as the Lead Agency has prepared and recommends certification of a Mitigated Negative Declaration (MND) for the project pursuant to Sections 15070 et seq. of the California Environmental Quality Act (CEQA) Guidelines. A Mitigation Monitoring Program has been prepared to ensure implementation of required mitigation measures.

A copy of the Mitigated Negative Declaration, Initial Study and Mitigation Monitoring Program are attached to this staff report as Attachments 13, 14, and 15.

## **ALTERNATIVES**

1. Adopt a Mitigated Negative Declaration and approve the applications for the Legacy Park project. This action would change the General Plan land use designation and zoning district from R30 to R5 for the 15 acre eastern triangular shaped portion of the project site; thereby, establishing R5 zoning for the entire project site. This action would allow for the development of a Planned Unit Development with two planning areas with respective minimum lot sizes of 4,000 and 5,000 square feet, and a set of Design Guidelines that establish unique development standards and architectural guidelines for this single family residential community. Staff recommends this alternative.
2. Do not adopt a Mitigated Negative Declaration and deny the applications for the Legacy Park Project. This action would retain the current R30 General Plan and Zoning designations for the 15 acre eastern triangular shaped portion project site, and would retain the R5 designations for the remaining 38 acres. The entire project site would remain unentitled vacant property. Staff does not recommend this alternative.

## **FISCAL IMPACT**

Not applicable.

## **NOTIFICATION**

The City Council public hearing notice for this project was published in the local newspaper on March 10, 2017. Public notices were sent to all property owners of record within 300 feet of the project site on March 9, 2017. The public hearing notice for this project was also posted on the project site on March 9, 2017.

As of the date of report preparation, staff has received no phone calls or correspondence in response to the noticing for this project. Similarly, there was no public response to the City's noticing efforts for the January 26, 2017 Planning Commission public hearing.

A link to the City Council agenda and the staff report for this project was provided to the applicant. There were no other parties or other agencies that requested copies of the

report.

## **PREPARATION OF STAFF REPORT**

Prepared By:  
Jeff Bradshaw  
Associate Planner

Department Head Approval:  
Allen Brock  
Community Development Director

## **CITY COUNCIL GOALS**

**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

**Positive Environment.** Create a positive environment for the development of Moreno Valley's future.

**Community Image, Neighborhood Pride and Cleanliness.** Promote a sense of community pride and foster an excellent image about our City by developing and executing programs which will result in quality development, enhanced neighborhood preservation efforts, including home rehabilitation and neighborhood restoration.

## **CITY COUNCIL STRATEGIC PRIORITIES**

1. Economic Development
2. Public Safety
3. Library
4. Infrastructure
5. Beautification, Community Engagement, and Quality of Life
6. Youth Programs

Objective 5.2: Promote the installation and maintenance of cost effective, low maintenance landscape, hardscape and other improvements which create a clean, inviting community.

Objective 5.6: Enhance community outreach, partnership opportunities, and stakeholder ownership of the City's parks and recreation services, programs and events.

## **ATTACHMENTS**

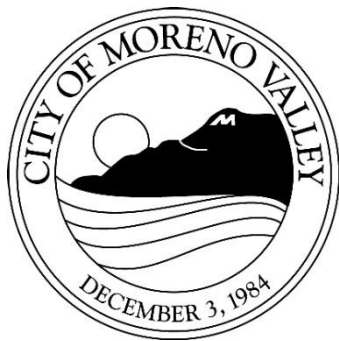
1. Public Hearing Notice
2. CC Resolution No. 2017-16
3. Exhibit A to ATT 2 - Resolution 2017-16
4. Ordinance No. 922
5. Exhibit A to ATT 3 Ordinance No. 922

- 6. Resolution No. 2017-17
- 7. Exhibit A to ATT 4
- 8. Exhibit B to ATT 4
- 9. Resolution No. 2017-18
- 10. Exhibit A to ATT 5
- 11. Exhibit B to ATT 5
- 12. Mitigated Negative Declaration
- 13. Initial Study Checklist
- 14. Mitigation Monitoring Program
- 15. Planning Commission Staff Report
- 16. Planning Commission Mintues
- 17. Aerial Photograph
- 18. Tentative Tract Map 36760 / PUD Exhibit
- 19. Conceptual Landscape Plan
- 20. Park Plan
- 21. Tract 36760 Design Guidelines
- 22. Air Quality Study
- 23. Biological Report
- 24. Cultural Resource Study
- 25. Geotechnical Study
- 26. Updated Geotechnical Study
- 27. Greenhouse Gas Analysis
- 28. Preliminary Hydrology Study
- 29. Preliminary Water Quality Management Plan
- 30. Traffic Study

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	3/08/17 1:01 PM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 3:03 PM
City Manager Approval	<u>✓ Approved</u>	3/08/17 3:39 PM





This may affect your property

# Notice of PUBLIC HEARING

Notice is hereby given that a Public Hearing will be held by the City Council of the City of Moreno Valley on the following item(s):

**Project:** PEN16-0092 (PA16-0018) – General Plan Amendment  
PEN16-0093 (PA16-0019) – Zone Change  
PEN16-0094 (PA14-0052) – Conditional Use Permit  
PEN16-0095 (PA14-0053) – TTM 36760

**Applicant:** Mission Pacific Land Company  
**Owner:** MPLC Legacy 75 Associates, LP  
**Representative:** Rick Engineering Company  
**A.P. No:** 485-220-023, -032, and -040  
**Location:** Southeast corner Gentian Avenue and Indian Street

**Proposal:** General Plan Amendment from Residential 30 to Residential 5 and Zone Change from R30 to R5 for a 15.06 acre portion of a 53 acre site. This project includes Tentative Tract Map 36760 to subdivide the 53 acre site into a total of 221 single family residential lots and a Conditional Use Permit for a Planned Unit Development (PUD). The PUD application will establish minimum lot sizes of 4,000 and 5,000 square feet and establish unique lot widths and setback standards along with architectural guidelines.

**Council District:** 4

The project has been evaluated against criteria set forth in the California Environmental Quality Act (CEQA) Guidelines and it was determined that the project will not have the potential for a significant effect on the environment with the incorporation of mitigation measures. A Mitigated Negative Declaration is recommended. Mitigation measures have been required of the project that will reduce potential impacts to a less than significant level.

A public hearing before the City Council has been scheduled for the proposed project. Any person interested in commenting on the proposal and recommended environmental determination may speak at the hearing or provide written testimony at or prior to the hearing. The project application, supporting plans and environmental documents may be inspected at the Community Development Department at 14177 Frederick Street, Moreno Valley, California during normal business hours (7:30 a.m. to 5:30 p.m., Monday through Thursday and 7:30 a.m. to 4:30 p.m., Friday), or you may telephone (951) 413-3206 for further information.

The City Council, at the Hearing or during deliberations could approve changes or alternatives to the proposal. If you challenge any of these items in court, you may be limited to raising only those items you or someone else raised at the Public Hearing described in this notice, or in written correspondence delivered to the City Council at, or prior to, the Public Hearing.



**LOCATION** N ↑

## CITY COUNCIL HEARING

City Council Chamber, City Hall  
14177 Frederick Street  
Moreno Valley, Calif. 92553

**DATE AND TIME:** March 21, 2017, 6:00 p.m.  
**CONTACT PLANNER:** Jeff Bradshaw  
**PHONE:** (951) 413-3224

*Upon request and in compliance with the Americans with Disabilities Act of 1990, any person with a disability who requires a modification or accommodation in order to participate in a meeting should direct such request to Guy Pegan, ADA Coordinator, at 951.413.3120 at least 48 hours before the meeting. The 48-hour notification will enable the City to make reasonable arrangements to ensure accessibility to this meeting.*

Attachment: Public Hearing Notice (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

## RESOLUTION NO. 2017-16

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, APPROVING A GENERAL PLAN AMENDMENT (PEN16-0092) TO CHANGE THE LAND USE DESIGNATION FROM RESIDENTIAL 30 TO RESIDENTIAL 5 FOR APPROXIMATELY 15 ACRES LOCATED WITHIN ASSESSOR'S PARCEL NUMBER 485-220-040 LOCATED SOUTH OF GENTIAN AVENUE AND ON THE WEST SIDE OF THE CALIFORNIA AQUEDUCT

WHEREAS, the applicant, Mission Pacific Land Company, filed Application No. PEN16-0092, requesting an amendment to the Moreno Valley General Plan, as described in the title of this resolution and the attached Exhibit A; and

WHEREAS, upon completion of a thorough review of the project, a public notice for a Planning Commission hearing on this project was published in the local newspaper on January 6, 2017. Public notice was sent to all property owners of record within 300 feet of the project site on January 12, 2017. The public hearing notice for this project was also posted on the project site on January 13, 2017; and

WHEREAS, the Planning Commission of the City of Moreno Valley held a public hearing on January 26, 2017 to consider the subject application and all environmental documentation prepared for the project and recommended approval of the project by the City Council; and

WHEREAS, a public notice for a hearing on this project by the City Council was published in the local newspaper on March 10, 2017. Public notice was sent to all property owners of record within 300 feet of the project site on March 9, 2017. The public hearing notice for this project was posted on the project site on March 10, 2017; and

WHEREAS, on March 21, 2017, the City Council conducted a public hearing to consider the project application and all environmental documentation prepared for the project; and

WHEREAS, all legal prerequisites to the adoption of this Resolution have occurred; and

WHEREAS, the City Council considered the Initial Study prepared for the project for the purpose of compliance with the California Environmental Quality Act (CEQA). Based on the Initial Study, it was determined that the project impacts are less than significant with mitigation and approval of a Mitigated Negative Declaration is recommended; and

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Resolution No. 2017-16  
Date Adopted: March 21, 2017

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

A. This City Council hereby specifically finds that all of the facts set forth above in this Resolution are true and correct.

B. Based upon substantial evidence presented to this City Council during the above-referenced meeting on March 21, 2017, including written and oral staff reports, and the record from the public hearing, this City Council hereby specifically finds as follows:

1. Conformance with General Plan Policies – The proposed General Plan Amendment is consistent with the General Plan, and its goals, objectives, policies and programs.

FACT: The project includes four applications – a General Plan Amendment, a Zone Change, a Conditional Use Permit and a Tentative Tract Map. The project proposes to develop a 221 lot planned residential community on approximately 53 acres. The General Plan Amendment application proposes to change the General Plan designation for approximately 15 acres from Residential 30 to Residential 5.

The project site is bounded by existing single-family tract homes to the west and northwest in the RS-10 zone with minimum lot sizes of 4,500 square feet. The property immediately to the north is zoned R5 and has been subdivided with a recorded map, Tract Map 22180. Further to the north are existing single-family tract homes in the R5 zone. Southwest of the project site are single-family homes in the R5 zone. March Middle School and Rainbow Elementary School are located immediately to the south. Vacant and developed land (non-conforming single-family residences) in the R30 zone is located to the southeast of the project site.

The property is bounded by the California Aqueduct along the eastern property line with vacant Community Commercial zoned property to the east. The site to the east was recently approved for development as a Walmart retail center. Additional existing commercial retail centers are located to the southeast at the intersection of Perris Boulevard and Iris Avenue in the Community Commercial zone. March Air Reserve Base is located approximately three-quarters of a mile to the west, and the City Corporate Yard is located approximately 1,400 feet to the east.

The change in the General Plan designation from Residential 30 to Residential 5 for the 15 acre portion of the project site reflects reconsideration of land use patterns in this area of the community. The

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Resolution No. 2017-16  
Date Adopted: March 21, 2017

change will also allow the potential for a planned residential community consistent with the R5 zoning designation.

The General Plan Amendment will not conflict with any General Plan policies. Consistent with General Plan Community Goals 2.1 and 2.4, the proposed General Plan Amendment will establish a single family land use designation that is compatible with surrounding residential land uses and will promote development of the site's undeveloped parcels.

2. Health, Safety and Welfare – The proposed General Plan Amendment will not be detrimental to the public health, safety or welfare.

FACT: The General Plan Amendment application proposes to change the General Plan designation for approximately 15 acres from Residential 30 to Residential 5. The reduction in residential density would potentially result in less impact to public health, safety and welfare than development under the existing General Plan designation. Therefore, the project would be consistent with General Goal 9.6.1 in that it would not result in unacceptable levels of protection from natural and man-made hazards to life, health, and property.

The project site is located approximately 2,000 feet south of the Kennedy Park Fire Station and within close proximity to emergency services consistent with General Plan Goal 9.6.2 which requires that adequate emergency services are available to meet minor emergency and major catastrophic situations. The proposed General Plan Amendment, which will reduce the maximum residential density for approximately 15 acres will be consistent with General Plan policies 6.1 and 6.2 aimed at minimizing the potential for loss of life and protection of residents, workers, and visitors to the City related to seismic ground shaking and nuisances due to flooding.

The California Environmental Quality Act (CEQA) is a statewide environmental law contained in Public Resources Code §§21000-21177. CEQA applies to most public agency decisions to carry out, authorize, or approve actions that have the potential to affect the environment. CEQA requires that public agencies analyze and acknowledge the environmental consequences of their discretionary actions and consider alternatives and mitigation measures that could avoid or reduce significant adverse impacts to the environment when avoidance or reduction is feasible. The CEQA compliance process provides public agencies and the general public an opportunity to comment on a proposed project's environmental effects.

An Initial Study / Mitigated Negative Declaration were prepared which assessed the potential of the proposed General Plan Amendment and the related Zone Change, Conditional Use Permit and Tentative Tract Map applications to impact the environment. The project proposes to develop a 221 lot planned residential community on approximately 53 acres. The project site is located at the southeast corner of the intersection of Indian Street and Gentian Avenue. The General Plan Amendment is included in the project description of the Initial Study, and was fully considered and analyzed in the Mitigated Negative Declaration.

The Initial Study provided the documentation of the factual basis for the finding in the Mitigated Negative Declaration that the proposed project will not have a significant effect on the environment with the implementation of mitigation measures. The City as the Lead Agency has prepared a Mitigated Negative Declaration (MND) pursuant to Sections 15070 et seq. of the State CEQA Guidelines. The preparation and review of the Initial Study/Mitigated Negative Declaration reflects the independent judgment of the City.

The Mitigated Negative Declaration has been considered by the Planning Commission and City Council and there is no evidence that the proposed project will have a significant impact on public health or be materially injurious to surrounding properties of the environment as a whole.

BE IT FURTHER RESOLVED THAT THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, DOES HEREBY CERTIFY a Mitigated Negative Declaration for Application No. PEN16-0092 pursuant to the California Environmental Quality Act (CEQA) Guidelines and APPROVE Resolution No. 2017-16 approving PEN16-0092; subject to the revised General Plan Map as attached to the Resolution as Exhibit A.

APPROVED AND ADOPTED this 21<sup>st</sup> day of March, 2017.

\_\_\_\_\_  
Mayor of the City of Moreno Valley

ATTEST:

\_\_\_\_\_  
City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney

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Resolution No. 2017-16  
Date Adopted: March 21, 2017

Attachment: CC Resolution No. 2017-16 [Revision 3] (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A



**RESOLUTION JURAT**

STATE OF CALIFORNIA            )  
COUNTY OF RIVERSIDE        ) ss.  
CITY OF MORENO VALLEY        )

I, Patricia Jacquez-Nares, City Clerk of the City of Moreno Valley, California, do hereby certify that Resolution No. 2017-16 was duly and regularly adopted by the City Council of the City of Moreno Valley at a regular meeting thereof held on the 21<sup>st</sup> day of March, 2017 by the following vote:

AYES:

NOES:

ABSENT:

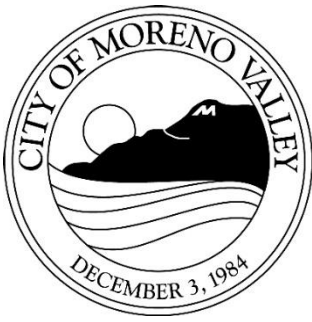
ABSTAIN:

(Council Members, Mayor Pro Tem and Mayor)

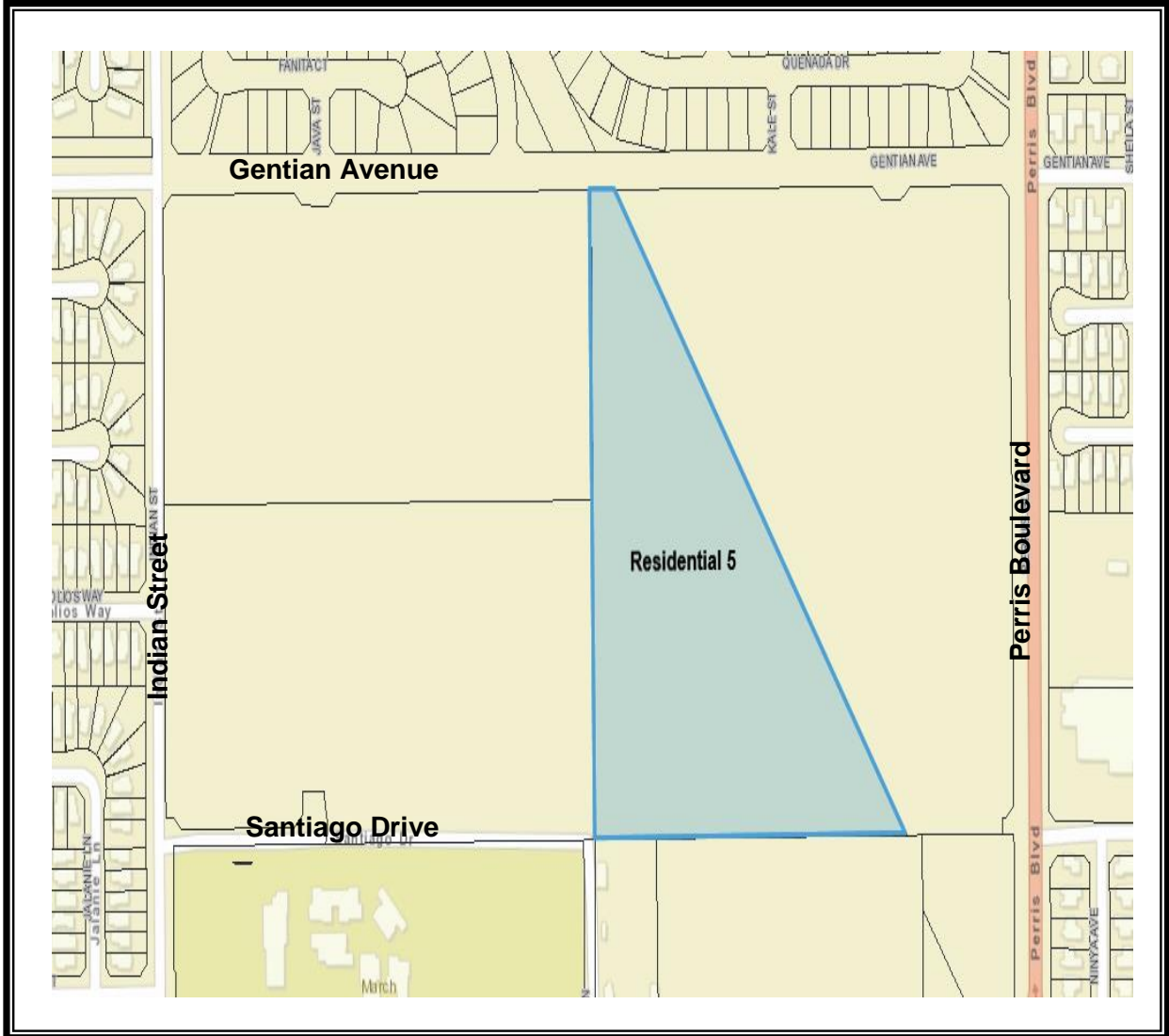
\_\_\_\_\_  
CITY CLERK

(SEAL)

Resolution No. 2017-16  
Date Adopted: March 21, 2017



**GENERAL PLAN AMENDMENT**  
 Application No. PEN16-0092  
 APN's 485-220-040



Attachment: Exhibit A to ATT 2 - Resolution 2017-16 [Revision 3] (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

## ORDINANCE NO. 922

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, APPROVING A ZONE CHANGE (PEN16-0093) FROM R30 to R5 FOR APPROXIMATELY 15 ACRES LOCATED WITHIN ASSESSOR'S PARCEL NUMBER 485-220-040 LOCATED SOUTH OF GENTIAN AVENUE AND ON THE WEST SIDE OF THE CALIFORNIA AQUEDUCT

The City Council of the City of Moreno Valley does ordain as follows:

SECTION 1 GENERAL:

1.1 The applicant, Mission Pacific Land Company, filed Application No. PEN16-0093, requesting an amendment to Pages 124 and 139 of the Official Zoning Atlas to the zoning classification for certain property, as described in the title of this resolution and the attached Exhibit A; and

1.2 Pursuant to the provisions of the law, a public hearing was held before the City Council on March 21, 2017, for deliberations and decision.

1.3 The matter was fully discussed, and the public and other agencies presented testimony and documentation.

1.4 An the Initial Study has been prepared for the project for the purpose of compliance with the California Environmental Quality Act (CEQA). Based on the Initial Study, it was determined that the project impacts are less than significant with mitigation and approval of a Mitigated Negative Declaration is recommended.

SECTION 2 FINDINGS:

2.1 Based upon substantial evidence presented to this City Council during the above-referenced meeting on March 21, 2017, including written and oral staff reports, and the record from the public hearing, this City Council hereby specifically finds as follows:

1. Conformance with General Plan Policies – The proposed amendment is consistent with the General Plan, and its goals, objectives, policies and programs.

FACT: The project includes four applications: a General Plan Amendment, a Zone Change, a Conditional Use Permit and a Tentative Tract Map. The project proposes to develop a 221 lot planned residential community on

approximately 53 acres. The Zone Change application proposes to change the zoning district for approximately 15 acres from R30 to R5.

The project site is bounded by existing single-family tract homes to the west and northwest in the RS-10 zone with minimum lot sizes of 4,500 square feet. The property immediately to the north is zoned R5 and has been subdivided with a recorded map, Tract Map 22180. Further to the north are existing single-family tract homes in the R5 zone. Southwest of the project site are single-family homes in the R5 zone. March Middle School and Rainbow Elementary School are located immediately to the south. Vacant and developed land (non-conforming single-family residences) in the R30 zone is located to the southeast of the project site.

The property is bound by the California Aqueduct along the eastern property line with vacant Community Commercial zoned property to the east. The site to the east was recently approved for development as a Walmart retail center. Additional existing commercial retail centers are located to the southeast at the intersection of Perris Boulevard and Iris Avenue in the Community Commercial zone. March Air Reserve Base is located approximately three-quarters of a mile to the west, and the City Corporate Yard is located approximately 1,400 feet to the east.

Consistent with General Plan Community Goals 2.1 and 2.4, the proposed Zone Change will establish a single family land use zoning designation that is compatible with surrounding residential land uses and will promote development of the site's undeveloped parcels.

Upon approval of a General Plan Amendment from R30 to R15 on the approximately 15 acre site, the Change of Zone will be consistent with the General Plan designation for the property.

2. Conformance with the Zoning Regulations – The proposed Zone Change is consistent with the purposes and intent of Title 9 of the City of Moreno Valley Municipal Code.

FACT: As proposed, the Change of Zone from R30 to R5 for the 15 acre portion of the project site is consistent with the purposes and intent of Title 9. A residential development under the R5 would continue to further the comprehensive and orderly development of the site and surrounding areas.

The area surrounding the site has been developed primarily with single family residential land uses. Vacant and developed land (non-conforming single-family residences) in the R30 zone is located to the southeast of the project site. Commercial land uses have been developed to the east

along Perris Boulevard and to the southeast at the intersection of Perris Boulevard and Iris Avenue.

Existing single-family residences are located to west, southwest and north of the project site. The vacant land immediately to the north has a recorded map (Tract 22180) which is currently under development for single-family residential use. March Middle School and Rainbow Elementary School are located immediately to the south of the project site.

The proposed Zone Change to R5 is compatible with the established zoning designations of the parcels in the area. The change from the existing R30 to R5 for the 15 acre portion of the project site reflects reconsideration of land use patterns in this area of the community. The change will also allow the potential for a planned community consistent with the R5 zoning designation.

3. Health, Safety and Welfare – The proposed amendment will not adversely affect the public health, safety or general welfare.

FACT: The proposed Zone Change will not result in unacceptable levels of protection from natural and man-made hazards to life, health, and property and is therefore consistent with General Goal 9.6.1. The project site is located approximately 2,000 feet south of the Kennedy Park Fire Station and within close proximity to emergency services which is consistent with General Plan Goal 9.6.2 which requires emergency services that are adequate to meet minor emergency and major catastrophic situations. The proposed Zone Change will not allow for development that would be inconsistent with General Plan Objective 6.1 to minimize the potential for loss of life and protect residents, workers, and visitors to the City from physical injury and property damage due to seismic ground shaking and secondary effects or General Plan Objective 6.2 to minimize the potential for loss of life and protect residents, workers, and visitors to the City from physical injury and property damage, and to minimize nuisances due to flooding.

The proposed Zone Change will not adversely affect the public health, safety or general welfare. The California Environmental Quality Act (CEQA) is a statewide environmental law contained in Public Resources Code §§21000-21177. CEQA applies to most public agency decisions to carry out, authorize, or approve actions that have the potential to affect the environment. CEQA requires that public agencies analyze and acknowledge the environmental consequences of their discretionary actions and consider alternatives and mitigation measures that could avoid or reduce significant adverse impacts to the environment when avoidance or reduction is feasible. The CEQA compliance process

provides public agencies and the general public an opportunity to comment on a proposed project's environmental effects.

An Initial Study / Mitigated Negative Declaration was prepared which assessed the potential of the proposed Zone Change and the related General Plan Amendment, Conditional Use Permit and Tentative Tract Map applications to impact the environment. The project proposes to develop a 221 lot planned residential community on approximately 53 acres. The project site is located at the southeast corner of the intersection of Indian Street and Gentian Avenue. The Zone Change is included in the project description of the Initial Study, and was fully considered and analyzed in the Initial Study.

The Initial Study provided the documentation of the factual basis for the finding in the Mitigated Negative Declaration that the proposed project will not have a significant effect on the environment with the implementation of mitigation measures. The City as the Lead Agency has prepared a Mitigated Negative Declaration (MND) pursuant to Sections 15070 et seq. of the State CEQA Guidelines. The preparation and review of the Initial Study/Mitigated Negative Declaration reflects the independent judgment of the City.

The Mitigated Negative Declaration has been considered by the Planning Commission and City Council and there is no evidence that the proposed project will have a significant impact on public health or be materially injurious to surrounding properties of the environment as a whole. The City Council does hereby certify a Mitigated Negative Declaration for Zone Change Application No. PEN16-0093 pursuant to the California Environmental Quality Act (CEQA) Guidelines.

### SECTION 3 AMENDMENT OF THE OFFICIAL ZONING ATLAS:

3.1 The City of Moreno Valley Official Zoning Atlas, as adopted by Ordinance No. 359, on April 14, 1992, of the City of Moreno Valley, and as amended thereafter from time to time by the City Council of the City of Moreno Valley, is further amended by placing in effect the zone or zone classification as shown on the attached map (marked "Exhibit A" and included herein by reference and on file in the office of the City Clerk).

### SECTION 4 EFFECT OF ENACTMENT:

4.1 Except as specifically provided herein, nothing contained in this ordinance shall be deemed to modify or supersede any prior enactment of the City Council which addresses the same subject addressed herein.

### SECTION 5 NOTICE OF ADOPTION:

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Ordinance No. 922  
Date Adopted: April 4, 2017



5.1 Within fifteen days after the date of adoption hereof, the City Clerk shall certify to the adoption of this ordinance and cause it to be posted in three public places within the city.

SECTION 6 EFFECTIVE DATE:

6.1 This ordinance shall take effect thirty days after the date of its adoption.

APPROVED AND ADOPTED this 4th day of April, 2017.

\_\_\_\_\_  
Mayor

ATTEST:

\_\_\_\_\_  
City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney

**ORDINANCE JURAT**

STATE OF CALIFORNIA       )  
COUNTY OF RIVERSIDE     ) ss.  
CITY OF MORENO VALLEY    )

I, Patricia Jacquez-Nares, City Clerk of the City of Moreno Valley, California, do hereby certify that Ordinance No. 922 had its first reading on March 21, 2017 and had its second reading on April 4, 2017 and was duly and regularly adopted by the City Council of the City of Moreno Valley at a regular meeting held on the 4th day of April, 2017, by the following vote:

AYES:

NOES:

ABSENT:

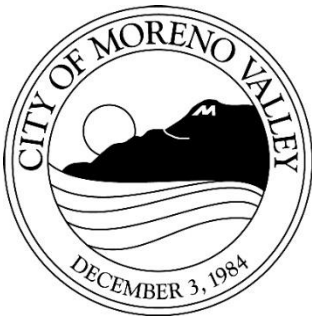
ABSTAIN:

(Council Members, Mayor Pro Tem and Mayor)

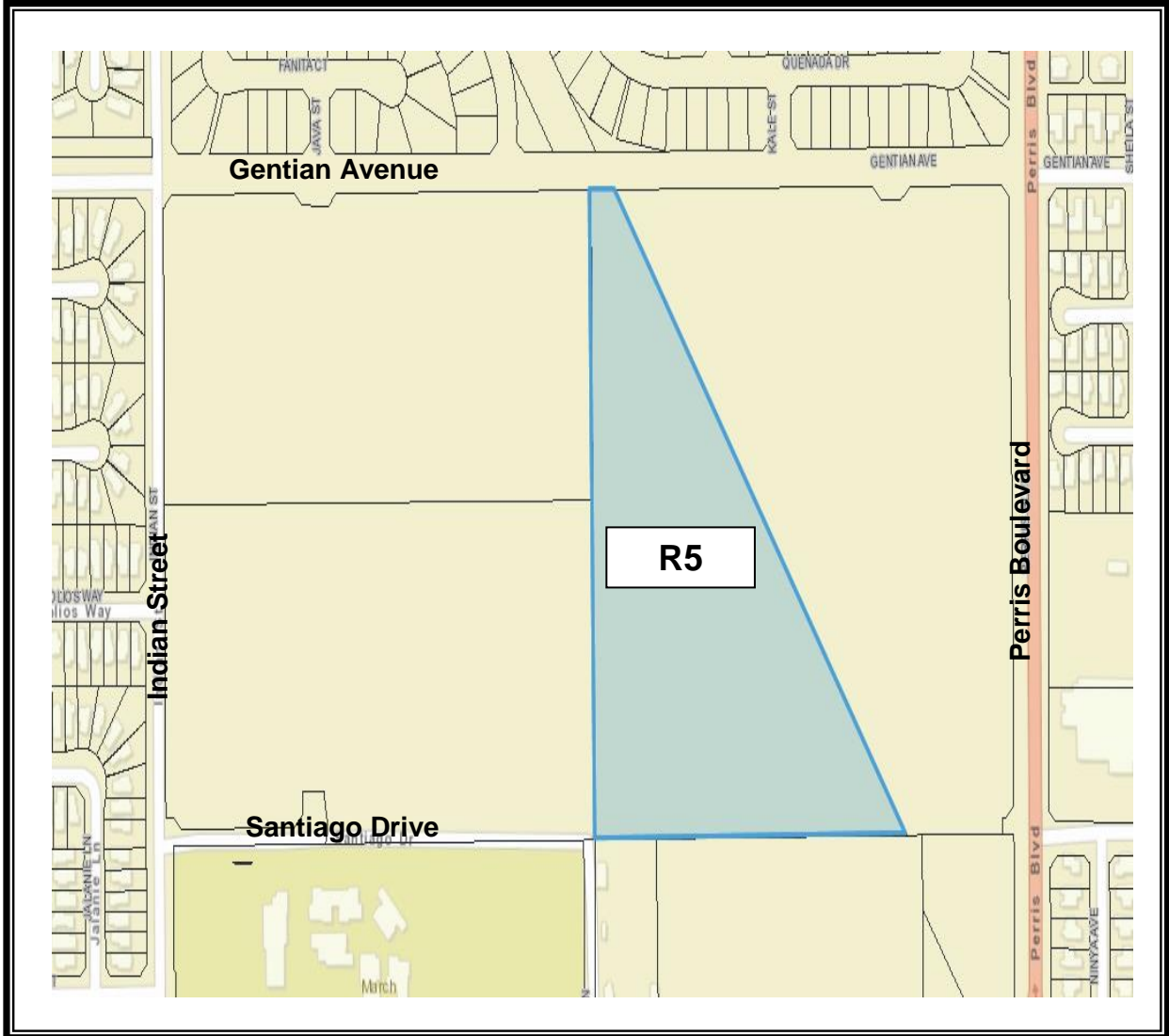
\_\_\_\_\_  
CITY CLERK

(SEAL)

6  
Ordinance No. 922  
Date Adopted: April 4, 2017



**ZONE CHANGE**  
 Application No. PEN16-0093  
 APN's 485-220-040



Attachment: Exhibit A to ATT 3 Ordinance No. 922 [Revision 4] (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT,

## RESOLUTION NO. 2017-17

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, APPROVING CONDITIONAL USE PERMIT APPLICATION PEN16-0094 FOR A 221 LOT PLANNED UNIT DEVELOPMENT ON APPROXIMATELY 53 ACRES OF ASSESSOR'S PARCEL NUMBERS 485-220-023, 485-220-032, AND 485-220-040 LOCATED AT THE SOUTHEAST CORNER OF INDIAN STREET AND GENTIAN AVENUE

WHEREAS, the applicant, Mission Pacific Land Company, filed Application No. PEN16-0094, for the approval of a Conditional Use Permit for development of a Planned Unit Development (PUD). The PUD application will establish unique development standards, including allowing for minimum lot sizes of 4,000 and 5,000 square feet, and architectural guidelines; and

WHEREAS, upon completion of a thorough review of the project, a public notice for a Planning Commission hearing on this project was published in the local newspaper on January 6, 2017. Public notice was sent to all property owners of record within 300 feet of the project site on January 12, 2017. The public hearing notice for this project was also posted on the project site on January 13, 2017; and

WHEREAS, the Planning Commission of the City of Moreno Valley held a public hearing on January 26, 2017 to consider the subject application and all environmental documentation prepared for the project and recommended approval of the project by the City Council; and

WHEREAS, a public notice for a hearing on this project by the City Council was published in the local newspaper on March 10, 2017. Public notice was sent to all property owners of record within 300 feet of the project site on March 9, 2017. The public hearing notice for this project was posted on the project site on March 10, 2017; and

WHEREAS, on March 21, 2017, the City Council conducted a public hearing to consider the project application and all environmental documentation prepared for the project; and

WHEREAS, all legal prerequisites to the adoption of this Resolution have occurred; and

WHEREAS, the City Council considered the Initial Study prepared for the project for the purpose of compliance with the California Environmental Quality Act (CEQA). Based on the Initial Study, it was determined that the project impacts are less than significant with mitigation and approval of a Mitigated Negative Declaration is

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Resolution No. 2017-17  
Date Adopted: March 21, 2017

recommended; and

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

A. This City Council hereby specifically finds that all of the facts set forth above in this Resolution are true and correct.

B. Based upon substantial evidence presented to this City Council during the above-referenced meeting on March 21, 2017, including written and oral staff reports, and the record from the public hearing, this City Council hereby specifically finds as follows:

1. Conformance with General Plan Policies – The proposed use is consistent with the General Plan, and its goals, objectives, policies and programs.

FACT: General Plan Objective 2.2 states that it is the intent of the City to provide a wide range of residential opportunities and dwelling types to meet the demands of present and future residents of all socioeconomic groups. The existing residential land use designation for the site allows for development of single family residences consistent with this objective.

The project site is bounded by existing single-family tract homes to the west and northwest in the RS-10 zone with minimum lot sizes of 4,500 square feet. The property immediately to the north is zoned R5 and has been subdivided with a recorded map, Tract Map 22180. Further to the north are existing single-family tract homes in the R5 zone. Southwest of the project site are single-family homes in the R5 zone. March Middle School and Rainbow Elementary School are located immediately to the south. Vacant and developed land (non-conforming single-family residences) in the R30 zone is located to the southeast of the project site.

The property is bounded by the California Aqueduct along the eastern property line with vacant Community Commercial zoned property to the east. The site to the east was recently approved for development as a Walmart retail center. Additional commercial existing retail centers are located to the southeast at the intersection of Perris Boulevard and Iris Avenue in the Community Commercial zone. March Air Reserve Base is located approximately three-quarters of a mile to the west, and the City Corporate Yard is located approximately 1,400 feet to the east.

Consistent with City General Plan Policies 4.2.1 and 4.2.14, the City's Master Plan of Trails, and the Master Plan of Parks, this project has been conditioned to construct and then convey to the City a segment of the Juan Bautista De Anza trail within the adjacent California Aqueduct and to

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Resolution No. 2017-17  
Date Adopted: March 21, 2017

construct and convey to the City a public park of approximately 2.0 acres in size with amenities that would include play equipment, a picnic shelter, a gazebo, large group barbecues, concrete picnic tables and benches, concrete waste/recycle containers, drinking fountains, walkway security lighting, decorative concrete walkways, decomposed granite walking path, and tubular steel fencing surrounding the park.

The project as designed and conditioned will achieve the objectives of the City of Moreno Valley's General Plan. Subject to approval of a General Plan Amendment from R30 to R5, the proposed project is consistent with the General Plan and does not conflict with the goals, objectives, policies, and programs established within the Plan.

2. Conformance with Zoning Regulations – The proposed use complies with all applicable zoning and other regulations.

FACT: The project site is located generally at the southeast corner of Indian Street and Gentian Avenue. The majority of the site is zoned R5. The applicant is proposing to change a 15 acre portion of the site from R30 to R5. The project site is bounded by existing single-family tract homes to west and northwest in the RS-10 zone with minimum lot sizes of 4,500 square feet. The property immediately to the north is zoned R5 and has been subdivided with a recorded map, Tract Map 22180. Further to the north are existing single-family tract homes in the R5 zone. Southwest of the project site are single-family homes in the R5 zone. March Middle School and Rainbow Elementary School are located immediately to the south. Vacant and developed land (non-conforming single-family residences) in the R30 zone is located to the southeast of the project site.

The proposal for a Planned Unit Development requires approval of a Conditional Use Permit per Municipal Code Section 9.03.060. The Planned Unit Development establishes unique zoning standards along with design guidelines that will allow for a quality, well designed project that will be consistent with the intent of Title 9 which is to protect and promote the public health, safety and welfare of present and future residents of the City.

The project is designed in accordance with the applicable provisions of Section 9.03 Residential Districts, Section 9.16.130 Design Guidelines for single family residences, and Section 9.03.060 Planned Unit Developments of the City's Municipal Code. The project has also been designed for consistency with the Legacy Park Design Guidelines. The project as designed and conditioned would comply with all applicable zoning and other regulations.

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Resolution No. 2017-17  
Date Adopted: March 21, 2017



3. Health, Safety and Welfare – The proposed use will not be detrimental to the public health, safety or welfare or materially injurious to properties or improvements in the vicinity.

FACT: The Planned Unit Development as designed and conditioned will provide acceptable levels of protection from natural and man-made hazards to life, health, and property consistent with General Goal 9.6.1. The project site is located approximately 2,000 feet south of the Kennedy Park Fire Station and within close proximity to emergency services which is consistent with General Plan Goal 9.6.2 which requires emergency services that are adequate to meet minor emergency and major catastrophic situations.

The proposed project as designed and conditioned will result in a development that will minimize the potential for loss of life and protect residents, workers, and visitors to the City from physical injury and property damage due to seismic ground shaking and flooding as provided for in General Plan Objective 6.1 and General Plan Objective 6.2.

The project has been designed consistent with the City's Municipal Code Section 9.03 Residential Districts and will satisfy all City requirements related to light and noise. Planning staff prepared an Initial Study and Mitigated Negative Declaration in accordance with the provisions of the California Environmental Quality Act (CEQA) based on a thorough analysis of potential environmental impacts. With the implementation of mitigation measures, the project will not result in a significant impact. The Mitigated Negative Declaration represents the City's independent judgment and analysis.

4. Location, Design and Operation – The location, design and operation of the proposed project will be compatible with existing and planned land uses in the vicinity.

FACT: The project site is bounded by existing single-family tract homes to west and northwest in the RS-10 zone with minimum lot sizes of 4,500 square feet. The property immediately to the north is zoned R5 and has been subdivided with a recorded map, Tract Map 22180. Further to the north are existing single-family tract homes in the R5 zone. Southwest of the project site are single-family homes in the R5 zone. March Middle School and Rainbow Elementary School are located immediately to the south. Vacant and developed land (non-conforming single-family residences) in the R30 zone is located to the southeast of the project site.

The property is bounded by the California Aqueduct along the eastern property line with vacant Community Commercial zoned property to the

east. The site to the east was recently approved for development as a Walmart retail center. Additional existing commercial retail centers are located to the southeast at the intersection of Perris Boulevard and Iris Avenue in the Community Commercial zone. March Air Reserve Base is located approximately three-quarters of a mile to the west with the City Corporate Yard located approximately 1,400 feet to the east.

As designed and conditioned and with the implementation of required mitigation measures, the Planned Unit Development is compatible with existing and proposed land uses in the vicinity.

#### A. FEES, DEDICATIONS, RESERVATIONS, AND OTHER EXACTIONS

##### 1. FEES

Impact, mitigation and other fees are due and payable under currently applicable ordinances and resolutions. These fees may include but are not limited to: Development Impact Fee, Transportation Uniform Mitigation Fee (TUMF), Multi-species Habitat Conservation Plan (MSHCP) Mitigation Fee, Stephens Kangaroo Habitat Conservation fee, Underground Utilities in lieu Fee, Area Drainage Plan fee, Bridge and Thoroughfare Mitigation fee (Future) and Traffic Signal Mitigation fee. The final amount of fees payable is dependent upon information provided by the applicant and will be determined at the time the fees become due and payable.

Unless otherwise provided for by this resolution, all impact fees shall be calculated and collected at the time and in the manner provided in Chapter 3.32 of the City of Moreno Valley Municipal Code or as so provided in the applicable ordinances and resolutions. The City expressly reserves the right to amend the fees and the fee calculations consistent with applicable law.

##### 2. DEDICATIONS, RESERVATIONS, AND OTHER EXACTIONS

The adopted Conditions of Approval for PEN16-0094, incorporated herein by reference, may include dedications, reservations, and exactions pursuant to Government Code Section 66020 (d) (1).

##### 3. CITY RIGHT TO MODIFY/ADJUST; PROTEST LIMITATIONS

The City expressly reserves the right to establish, modify or adjust any fee, dedication, reservation or other exaction to the extent permitted and as authorized by law.

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Resolution No. 2017-17  
Date Adopted: March 21, 2017

Pursuant to Government Code Section 66020(d)(1), NOTICE IS FURTHER GIVEN that the 90 day period to protest the imposition of any impact fee, dedication, reservation, or other exaction described in this resolution begins on the effective date of this resolution and any such protest must be in a manner that complies with Section 66020(a) and failure to timely follow this procedure will bar any subsequent legal action to attack, review, set aside, void or annul imposition.

The right to protest the fees, dedications, reservations, or other exactions does not apply to planning, zoning, grading, or other similar application processing fees or service fees in connection with this project and it does not apply to any fees, dedication, reservations, or other exactions of which a notice has been given similar to this, nor does it revive challenges to any fees for which the Statute of Limitations has previously expired.

BE IT FURTHER RESOLVED THAT THE CITY COUNCIL DOES HEREBY CERTIFY a Mitigated Negative Declaration for Application No. PEN16-0094 pursuant to the California Environmental Quality Act (CEQA) Guidelines and APPROVES Resolution No. 2017-17, APPROVING Plot Plan application PEN16-0094, subject to the attached Mitigation Monitoring Program included as Exhibit A and the attached conditions of approval included as Exhibit B.

APPROVED AND ADOPTED this 21<sup>st</sup> day of March, 2017.

\_\_\_\_\_  
Mayor of the City of Moreno Valley

ATTEST:

\_\_\_\_\_  
City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney

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Resolution No. 2017-17  
Date Adopted: March 21, 2017

Attachment: Resolution No. 2017-17 [Revision 2] (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE

**RESOLUTION JURAT**

STATE OF CALIFORNIA        )  
COUNTY OF RIVERSIDE       ) ss.  
CITY OF MORENO VALLEY     )

I, Patricia Jacquez-Nares, City Clerk of the City of Moreno Valley, California, do hereby certify that Resolution No. 2017-17 was duly and regularly adopted by the City Council of the City of Moreno Valley at a regular meeting thereof held on the 21<sup>st</sup> day of March, 2017 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

(Council Members, Mayor Pro Tem and Mayor)

\_\_\_\_\_  
CITY CLERK

(SEAL)

8  
Resolution No. 2017-17  
Date Adopted: March 21, 2017

Attachment: Resolution No. 2017-17 [Revision 2] (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE

# EXHIBIT A

## Legacy Park Project – Mitigation Monitoring and Reporting Program Conditional Use Permit PEN16-0094 / Tentative Tract Map 36760 (PEN16-0095)

### Introduction

This Mitigation Monitoring and Reporting Program has been prepared for use in implementing mitigation for the Mitigated Negative Declaration (MND) for the Legacy Park (Conditional Use Permit PEN16-0094 and Tentative Tract Map 36760). The program has been prepared in compliance with State law and the MND prepared for the project.

The California Environmental Quality Act (CEQA) requires adoption of a reporting or monitoring program for those measures places on a project to mitigated or avoid adverse effects on the environment (Public Resources Code Section 21081.6). The law states that the reporting or monitoring program shall be designed to ensure compliance during project implementation.

The monitoring program contains the following elements:

- The mitigation measures are recorded with the action and procedure necessary to ensure compliance. In some instances, one action may be used to verify implementation of several mitigation measures.
- A procedure for compliance and verification has been outlined for each action necessary. This procedure designates who will take action, what action will be taken and when, and to whom and when compliance will be reported.
- The program has been designed to be flexible. As monitoring progresses, changes to compliance procedures may be necessary based upon recommendations by those responsible for the program. As changes are made, new monitoring compliance procedures are records will be developed and incorporated into the program.

### Mitigation Monitoring and Responsibilities

As the Lead Agency, the City of Moreno Valley is responsible for ensuring full compliance with the mitigation measures adopted for the proposed project. The City will monitor and report on all mitigation activities. Mitigation measures will be implemented at different stages of development throughout the project. In this regards, the responsibilities for implementation have been assigned to the Applicant, Contractor, or a combination thereof. If during the course of project implementation, any of the mitigation measures identified herein cannot be successfully implemented, the City shall be immediately informed, and the City will then inform any



affected responsible agencies. The City, in conjunction with any affected responsible agencies, will then determine if modification to the project is required and/or whether alternative mitigation is appropriate.

**Mitigation Monitoring and Reporting Program Checklist**

**Project: Legacy Park Project (Conditional Use Permit PEN16-0094 and Tentative Tract Map 36760)**

**Applicant: Mission Pacific Land Company**

**Date: January 18, 2017**

Mitigation Measure No.	Responsible for Monitoring	Monitoring Frequency	Timing of Verification	Method of Verification	Verified Date/Initials	Sanctions for Non-Compliance
<b>Traffic/Transportation</b>						
<b>TR-1:</b> Prior to the issuance of building permits, the Project applicant shall participate in the City's DIF and County TUMF fee programs by paying the requisite fees at the time of building permit, and in addition pay the Project's fair share amount of \$12,586 for improvements at the intersections of Indian Street at Cactus Avenue as identified in Table 1-5 that are consistent with the improvements shown on Table 6-3, or as otherwise agreed to by the City and Project Applicant. Project fair share payment shall only be collected if the City creates a fee program that includes the improvements the fair share contribution is intended to construct.	City of Moreno Valley Transportation Engineering Division and Planning Division	Ongoing during construction	Prior to Building Final	Review of paid DIF invoice and receipt		Withhold Building Final
<b>TR-2:</b> Prior to the final approval of the street improvement plans, traffic signal plans will be required for a new traffic signal located at the intersection of Perris Boulevard and Santiago Drive. Prior to issuance of Certificate of Occupancy, the traffic signal and Perris Boulevard and Santiago Drive shall be completed per the	City of Moreno Valley Transportation Engineering Division, Land Development and Planning Division	Ongoing during construction	Prior to Building Final	Final Inspection of signal improvements		Withhold Building Final

approved plans to the satisfaction of the City Engineer.						
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Mitigation Measure No.	Responsible for Monitoring	Monitoring Frequency	Timing of Verification	Method of Verification	Verified Date/Initials	Sanctions for Non-Compliance
<b>Biological Resources</b>						
<b>BR-1.</b> A qualified biologist will conduct a pre-construction presence/absence survey for burrowing owls within 14 days prior to site disturbance. If burrowing owls are detected onsite, the owls will be relocated/excluded from the site outside of the breeding season following accepted protocols, and subject to the approval of the RCA and wildlife agencies.	City of Moreno Valley Planning Division	Ongoing during grading plan check	Prior to Issuance of a grading permit	Review of and approval of pre-construction survey		Withhold Grading Permit
<b>BR-2.</b> As feasible, vegetation clearing should be conducted outside of the nesting season, which is generally identified as February 1 through September 15. If avoidance of the nesting season is not feasible, then a qualified biologist shall conduct a nesting bird survey within three days prior to any disturbance of the site, including disking, demolition activities, and grading. If active nests are identified, the biologist shall establish suitable buffers around the nests, and the buffer areas shall be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests.	City of Moreno Valley Planning Division	Ongoing during grading plan check	Prior to Issuance of a grading permit	Review of and approval of survey		Withhold Grading Permit
Mitigation Measure No.	Responsible for Monitoring	Monitoring Frequency	Timing of Verification	Method of Verification	Verified Date/Initials	Sanctions for Non-Compliance
<b>Cultural Resources</b>						
<b>CR-1:</b> Prior to the issuance of a grading permit, the Project Applicant shall provide evidence to the City of Moreno Valley that a	City of Moreno Valley Land Development	Once prior to Grading and during grading	Prior to issuance of Grading	Review of construction documents		Withhold Grading Permit or

<p>professional archaeological monitor has been retained by the Applicant to conduct monitoring of all mass grading and trenching activities and that the monitor has the authority to temporarily halt and redirect earthmoving activities in the event that suspected archaeological resources are unearthed during Project construction. The Project archaeologist, with input from the appropriate Tribe, shall prepare a Cultural Resources Monitoring Plan (CRMP) to document protocols for inadvertent finds, to determine potential protection measures from further damage and destruction for any identified archaeological resource(s)/ tribal cultural resources (TCRs), outline the process for monitoring and for completion of the final Phase IV Monitoring Report. If any archaeological and/or TCRs are identified during monitoring, these will also be documented and addressed per standard archaeological protocols in the Phase IV report, with the exception of human remains which will be addressed per CUL-5. The Project Archaeologist shall attend the pregrading meeting with the City and contractors to explain and coordinate the requirements of the monitoring program.</p>	<p>Division and Planning Division</p>	<p>and construction operations.</p>	<p>Permit</p>	<p>and on-site inspection</p>		<p>Issuance of a Stop Work Order</p>
<p><b>CR-2:</b> At least 30 days prior to the issuance of a grading permit, the Applicant shall contact the appropriate Luiseño tribe to develop a Cultural Resources Treatment Agreement and shall provide evidence to the City of Moreno Valley that the professionally qualified Luiseño Native American monitor(s) has been secured from the interested tribe(s), and that the monitor shall be allowed to monitor all mass grading and trenching activities. The Tribal representative(s) shall attend the pre-</p>	<p>City of Moreno Valley Land Development Division and Planning Division</p>	<p>Once prior to Grading and during grading and construction operations.</p>	<p>Prior to issuance of Grading Permit</p>	<p>Review of construction documents and on-site inspection</p>		<p>Withhold Grading Permit or Issuance of a Stop Work Order</p>

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grading meeting with the City and contractors to explain and coordinate the requirements of the monitoring program.						
<p><b>CR-3:</b> If, during mass grading and trenching activities, the Archaeologist or Tribal representatives suspect that an archaeological resource and/or TCR may have been unearthed, the monitor identifying the potential resources, in consultation with the other monitor as appropriate, shall immediately halt and redirect grading operations in a 100-foot radius around the find to allow identification and evaluation of the suspected resource. The Native American monitor(s) or appropriate representative(s) and the archaeological monitor shall evaluate the suspected resource and make a determination of significance pursuant to California Public Resources Code Section 21083.2. The archaeological monitor and tribal monitor(s) or appropriate representative(s), the Project Applicant, and the City Planning Division shall confer regarding mitigation of the discovered resource(s). All sacred sites, should they be encountered within the Project area, shall be avoided and preserved as the preferred mitigation, if feasible.</p>	City of Moreno Valley Land Development Division and Planning Division	Once prior to Grading and during grading and construction operations	Prior to issuance of Grading Permit	Review of construction documents and on-site inspection		Withhold Grading Permit or Issuance of a Stop Work Order
<p><b>CR-4:</b> Prior to grading permit issuance, the City shall verify that the following note is included on the Grading Plan:</p> <p>“If any suspected archaeological resources are discovered during ground-disturbing activities and the archaeological monitor or Tribal representatives are not present, the construction supervisor is obligated to halt work in a 100-foot radius around the find and call the project archaeologist and the Tribal representatives to the site to assess</p>	City of Moreno Valley Land Development Division and Planning Division	Once prior to Grading and during grading and construction operations	Prior to issuance of Grading Permit	Review of construction documents and on-site inspection		Withhold Grading Permit or Issuance of a Stop Work Order

Attachment: Exhibit A to ATT 4 [Revision 2] (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL

<p>the significance of the find."</p> <p><b>CR-5:</b> If human remains are encountered, California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the Riverside County Coroner has made the necessary findings as to origin. Further, pursuant to California Public Resources Code Section 5097.98(b), remains shall be left in place and free from disturbance until a final decision as to the treatment and disposition has been made by the Coroner. If the Riverside County Coroner determines the remains to be Native American, the California Native American Heritage Commission must be contacted within 24 hours. The Native American Heritage Commission must then immediately notify the "most likely descendant(s)" of receiving notification of the discovery. The most likely descendant(s) shall then make recommendations within 48 hours, and engage in consultations concerning the treatment of the remains as provided in Public Resources Code §5097.98.</p>	<p>City of Moreno Valley Land Development Division and Planning Division</p>	<p>Once prior to Grading and during grading and construction operations</p>	<p>Prior to issuance of Grading Permit</p>	<p>Review of construction documents and on-site inspection</p>		<p>Withhold Grading Permit or Issuance of a Stop Work Order</p>
<p><b>CR-6:</b> Prior to construction involving excavation four feet or more below existing surface grade, the construction contractor shall provide evidence that a qualified paleontologist has been retained, and that the paleontologist(s) shall be present during all grading and other significant ground-disturbing activities that reach four feet or more below existing surface grade. In the event fossiliferous deposits are encountered, the following measures shall be implemented:</p> <ul style="list-style-type: none"> <li>Monitoring shall be conducted by qualified paleontological monitor(s) of</li> </ul>	<p>City of Moreno Valley Land Development Division and Planning Division</p>	<p>Once prior to Grading and during grading and construction operations</p>	<p>Prior to issuance of Grading Permit</p>	<p>Review of construction documents and on-site inspection</p>		<p>Withhold Grading Permit or Issuance of a Stop Work Order</p>

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<p>excavation in areas identified as likely to contain paleontological resources, including very old alluvial fan deposits. Paleontological monitors shall be equipped to salvage fossils as they are unearthed, to avoid construction delays, and to remove samples of sediments that are likely to contain the remains of small fossil invertebrates and vertebrates. Monitors shall be empowered to temporarily halt or divert equipment to allow removal of abundant or large specimens. Monitoring may be reduced if the potentially fossiliferous units are determined upon exposure and examination by qualified paleontological personnel to have low potential to contain fossil resources.</p> <ul style="list-style-type: none"> <li>• Paleontological monitoring of any earthmoving will be conducted by a monitor, under direct guidance of a qualified paleontologist. Earthmoving in areas of the parcel where previously undisturbed sediments are buried, but not otherwise disturbed, will not be monitored.</li> <li>• If too few fossil remains are found after 50 percent of the planned-for earthmoving has been completed, monitoring can be reduced or discontinued in those areas at the Project paleontologist's direction.</li> <li>• Preparation of recovered specimens to a point of identification and permanent preservation, including washing of sediments to recover small invertebrates and vertebrates.</li> </ul>						
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<ul style="list-style-type: none"> <li>• Identification and curation of specimens into a professional, fully accredited museum repository with permanent retrievable storage. The paleontologist must have a written repository agreement in hand prior to the initiation of mitigation activities.</li> <li>• Preparation or a report of findings with and appended itemized inventory of specimens. The report and inventory, when submitted to the city along with confirmation of the curation of recovered of recovered specimens into an established, accredited museum repository, will signify completion of the program to mitigate impacts to paleontological resources.</li> </ul>						
<b>Mitigation Measure No.</b>	<b>Responsible for Monitoring</b>	<b>Monitoring Frequency</b>	<b>Timing of Verification</b>	<b>Method of Verification</b>	<b>Verified Date/Initials</b>	<b>Sanctions for Non-Compliance</b>
<b>Noise</b>						
<p><b>N-1:</b> Construction activities shall be operated in a manner that limits noise impacts on surrounding uses (General Plan Policy 6.5.2). In order to limit noise impacts on surrounding property, the construction contractor will ensure the following:</p> <ul style="list-style-type: none"> <li>• All construction equipment powered by gasoline or diesel engines will be required to have sound-control devices at least as effective as those originally provided by the manufacturer; no equipment will be</li> </ul>	City of Moreno Valley Engineering and Building and Safety Planning Division	Once prior to Grading and during grading and construction operations.	Prior to issuance of Grading Permit	Review of construction documents and on-site inspection		Withhold Grading Permit or Issuance of a Stop Work Order

<p>permitted to have an unmuffled exhaust.</p> <ul style="list-style-type: none"> <li>• Mobile noise-generating equipment and machinery will be shut off when not in use;</li> <li>• Construction vehicles assessing the site will be required to use the shortest possible route to and from local freeways, provided the routes do not expose additional receptors to noise</li> </ul>						
<p><b>N-2:</b> The staging of construction equipment and the construction trailer shall be placed as far as possible from the existing single-family residences located to the west and south and the schools to the south.</p>	<p>City of Moreno Valley Engineering and Building and Safety Planning Division</p>	<p>Once prior to Grading and during grading and construction operations.</p>	<p>Prior to issuance of Grading Permit</p>	<p>Review of construction documents and on-site inspection</p>		<p>Withhold Grading Permit or Issuance of a Stop Work Order</p>

**EXHIBIT B**

**CITY OF MORENO VALLEY  
 CONDITIONS OF APPROVAL  
 TENTATIVE TRACT MAP 36760 (PEN16-0095)  
 CONDITIONAL USE PERMIT PEN16-0094  
 A.P.N.: 485-220-023, 485-220-032, AND 485-220-040**

**Approval Date:**  
**Expiration Date:**

**COMMUNITY DEVELOPMENT DEPARTMENT****Planning Division**

For questions regarding any Planning condition of approval, please contact the Planning Division at (951) 413-3206.

- P1. Tentative Tract Map 36760 (PEN16-0095) has been approved for development of a 221 lot subdivision in the R5 zone.
- P2. Conditional Use Permit PEN16-0094 for a Planned Unit Development (Legacy Park) has been approved with Design Guidelines to establish unique development standards, architectural standards, fence and walls, and common area pathways and landscape area for Tentative Tract Map 36760 in the R5 zone. The PUD allows for minimum lot sizes of 4,000 square feet (76 lots) and 5,000 square feet (145 lots) in two distinct areas of the tract map.
- P3. Conditional Use Permit PEN16-0094 and Tentative Tract Map 36760 (PEN16-0095) are approved subject to approval of a General Plan Amendment from Residential 30 to Residential 5 and a Zone Change from R30 to R5.

**Timing Mechanisms for Conditions (see abbreviation at beginning of affected condition):**

R - Map Recordation	GP - Grading Permits
GPA – Grading Plan Approval	BF – Building Final
BP - Building Permits	P - Any permit
MR – Map Recordation	MA – Map Approval
AOS – Acceptance of Streets	WP - Water Improvement Plans
CP – Construction Permit	IPA – Improvement Plan Approval
	SI – Street Improvements

**Governing Document (see abbreviation at the end of the affected condition):**

GP - General Plan	MC – Municipal Code
MC - Municipal Code	CEQA - California Environmental Quality Act
Ord - Ordinance	Ldscp - Landscape Development Guidelines and Specs
Res - Resolution	UFC - Uniform Fire Code
UBC - Uniform Building Code	
SBM - Subdivision Map Act	

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- P4. Conditional Use Permit PEN16-0094 establishes the following development standards for single-family residential development in Tentative Tract Map 36760:
- Minimum Lot Size – 4,000 square feet (50' x 80')
  - Minimum Lot Size -- 5,000 square feet (50' x 100')
  - Maximum Lot Coverage – 50%
  - Maximum Height – 2-story or 35 feet
- P5. Tentative Tract Map 36760 and Conditional Use Permit PEN16-0094 are approved for the use of decorative concrete treatments within the public right-of-way at key intersections of Street L within the project.
- P6. This approval shall comply with all applicable requirements of the City of Moreno Valley Municipal Code.
- P7. This tentative map shall expire three years after the approval date of this tentative map unless extended as provided by the City of Moreno Valley Municipal Code; otherwise it shall become null and void and of no effect whatsoever in the event the applicant or any successor in interest fails to properly file a final map before the date of expiration. (MC 9.02.230, 9.14.050, 080)
- P8. The site shall be developed in accordance with the approved tentative map on file in the Community Development Department -Planning Division, the Municipal Code regulations, General Plan, and the Legacy Park Design Guidelines (PEN16-0094), and the conditions of approval contained herein. (MC 9.14.020)
- P9. A drought tolerant, low water using landscape palette shall be utilized throughout the tract to the extent feasible.
- P10. All undeveloped portions of the site shall be maintained in a manner that provides for the control of weeds, erosion and dust. (MC 9.02.030)
- P11. All landscaped areas shall be maintained in a healthy and thriving condition, free from weeds, trash and debris. (MC 9.02.030)
- P12. (BP) Enhanced architectural treatments shall be included on the approved plans for all homes having side and/or reverse frontages to public streets or open space areas.
- P13. All site plans, grading plans, landscape and irrigation plans, and street improvement plans shall be coordinated for consistency with this approval.

PRIOR TO GRADING

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- P14. (GP) Prior to issuance of grading permits, the developer shall pay the applicable Stephen's' Kangaroo Rat (SKR) Habitat Conservation Plan mitigation fee. (Ord)
- P15. (GP) Prior to the issuance of grading permits, final erosion control landscape and irrigation plans for all cut or fill slopes over 3 feet in height shall be submitted to the Planning Division for review and approval for the phase in process. The plans shall be designed in accordance with the slope erosion plan as required by the City Engineer for that phase. Man-made slopes greater than 10 feet in height shall be "land formed" to conform to the natural terrain and shall be landscaped and stabilized to minimize visual scarring. (GP Objective 1.5, MC 9.08.080, DG)
- P16. (GP) Prior to approval of precise grading plan, final front and street side yard landscape and irrigation plans shall be submitted to the Planning Division for review. The plans shall be prepared in accordance with the City's Municipal Code and landscape specifications, and include required street trees.
- P17. (GP) If potential historic, archaeological, or paleontological resources are uncovered during excavation or construction activities at the project site, work in the affected area will cease immediately and a qualified person (meeting the Secretary of the Interior's standards (36CFR61)) shall be consulted by the applicant to evaluate the find, and as appropriate recommend alternative measures to avoid, minimize or mitigate negative effects on the historic, prehistoric, or paleontological resource. Determinations and recommendations by the consultant shall be implemented as deemed appropriate by the Community Development Director, in consultation with the State Historic Preservation Officer (SHPO) and any and all affected Native American Tribes before any further work commences in the affected area.
- If human remains are discovered, work in the affected area shall cease immediately and the County Coroner shall be notified. If it is determined that the remains are potentially Native American, the California Native American Heritage Commission and any and all affected Native American Indians tribes such as the Morongo Band of Mission Indians or the Pechanga Band of Luiseno Indians shall be notified and appropriate measures provided by State law shall be implemented. (GP Objective 23.3, DG, CEQA).
- P18. (GP) Prior to issuance of grading permits, landscape plans for front yards, street trees, common areas, reverse frontage parkways and basins, common area lighting and fences and walls, shall be submitted to the Planning Division for review subject to the requirements of the Legacy Park Design Guidelines the City of Moreno Valley Municipal Code.
- P19. (GP) Prior to issuance of grading permits, plans for any security gate system shall be submitted to the Planning Division for review and approval.

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P20. (GP) Prior to the issuance of grading permits, mitigation measures contained in the Mitigation Monitoring Program approved with this project shall be implemented as provided therein. A mitigation monitoring fee, as provided by City ordinance, shall be paid by the applicant within 30 days of project or tentative map approval. No City permit or approval shall be issued until such fee is paid. (CEQA)

**PRIOR TO RECORDATION OF FINAL MAP**

P22. (R) Prior to final map recordation, subdivision phasing (including any proposed common open space or improvement phasing, if applicable), shall be subject to the Planning Division approval. Any proposed phasing shall provide for adequate vehicular access to all lots in each phase as determined by the City Transportation Engineer or designee and shall substantially conform to all intent and purpose of the subdivision approval. (MC 9.14.080)

P23. (R) Prior to final map recordation any required trail easements shall be provided.

P24. (R) Prior to recordation of the final subdivision map, the developer shall submit for review and approval the following documents to the Planning Division which shall demonstrate that the project will be developed and maintained in accordance with the intent and purpose of the approval:

- a. The document to convey title
- b. Deed restrictions, easements, or Covenants, Conditions and Restrictions to be recorded

The approved documents shall be recorded at the same time that the subdivision map is recorded. The documents shall contain provisions for general maintenance and ownership of common area pathways and landscape, common area lighting, and common recreation areas. The approved documents shall also contain a provision, which provides that they may not be terminated and/or substantially amended without the consent of the City and the developer's successor-in-interest. (MC 9.14.090)

In addition, the following deed restrictions and disclosures shall be included within the document and grant deed of the properties:

- The developer and homeowners association shall promote the use of native plants and trees and drought tolerant species to the extent feasible.

**PRIOR TO BUILDING PERMIT**



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- P25. (BP) Prior to issuance of building permits, the developer or developer's successor-in-interest shall pay all applicable impact fees, including but not limited to Transportation Uniform Mitigation fees (TUMF), Multi-species Habitat Conservation Plan (MSHCP) mitigation fees, and the City's adopted Development Impact Fees. (Ord)
- P26. (BP) Prior to issuance of building permits, final front and street side yard landscape and irrigation plans, private slope landscape plans, basin landscape plans, common area lighting and fence and wall plans shall be approved.

**PRIOR TO BUILDING FINAL**

- P27. (BF) Prior to the issuance of Certificates of Occupancy or building final all private and common area landscape and irrigation, common area lighting, and fence and walls shall be installed, unless a subsequent phasing plan with appropriately revised conditions of approval is approved. Landscaping on lots not yet having dwelling units shall be maintained by the developer weed and disease free. (MC 9.03.040)
- P28. (GP) If the development is proposed to be phased, a phasing plan shall be submitted to the Planning Division for review (under separate application) and shall be approved prior to issuance of precise grading permits.

**Mitigation Measures**

**Traffic**

TR-1: Prior to the issuance of building permits, the Project applicant shall participate in the City's DIF and County TUMF fee programs by paying the requisite fees at the time of building permit, and in addition pay the Project's fair share amount of \$12,586 for improvements at the intersections of Indian Street at Cactus Avenue as identified in Table 1-5 that are consistent with the improvements shown on Table 6-3, or as otherwise agreed to by the City and Project Applicant. Project fair share payment shall only be collected if the City creates a fee program that includes the improvements the fair share contribution is intended to construct.

TR-2: Prior to the final approval of the street improvement plans, traffic signal plans will be required for a new traffic signal located at the intersection of Perris Boulevard and Santiago Drive. Prior to issuance of Certificate of Occupancy, the traffic signal and Perris Boulevard and Santiago Drive shall be completed per the approved plans to the satisfaction of the City Engineer.

**Biological Resources**

BR-1. A qualified biologist will conduct a pre-construction presence/absence survey for

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burrowing owls within 14 days prior to site disturbance. If burrowing owls are detected onsite, the owls will be relocated/excluded from the site outside of the breeding season following accepted protocols, and subject to the approval of the RCA and wildlife agencies.

BR-2. As feasible, vegetation clearing should be conducted outside of the nesting season, which is generally identified as February 1 through September 15. If avoidance of the nesting season is not feasible, then a qualified biologist shall conduct a nesting bird survey within three days prior to any disturbance of the site, including diking, demolition activities, and grading. If active nests are identified, the biologist shall establish suitable buffers around the nests, and the buffer areas shall be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests.

Cultural Resources

CR-1: Prior to the issuance of a grading permit, the Project Applicant shall provide evidence to the City of Moreno Valley that a professional archaeological monitor has been retained by the Applicant to conduct monitoring of all mass grading and trenching activities and that the monitor has the authority to temporarily halt and redirect earthmoving activities in the event that suspected archaeological resources are unearthed during Project construction. The Project archaeologist, with input from the appropriate Tribe, shall prepare a Cultural Resources Monitoring Plan (CRMP) to document protocols for inadvertent finds, to determine potential protection measures from further damage and destruction for any identified archaeological resource(s)/ tribal cultural resources (TCRs), outline the process for monitoring and for completion of the final Phase IV Monitoring Report. If any archaeological and/or TCRs are identified during monitoring, these will also be documented and addressed per standard archaeological protocols in the Phase IV report, with the exception of human remains which will be addressed per CUL-5. The Project Archaeologist shall attend the pregrading meeting with the City and contractors to explain and coordinate the requirements of the monitoring program.

CR-2: At least 30 days prior to the issuance of a grading permit, the Applicant shall contact the appropriate Luiseño tribe to develop a Cultural Resources Treatment Agreement and shall provide evidence to the City of Moreno Valley that the professionally qualified Luiseño Native American monitor(s) has been secured from the interested tribe(s), and that the monitor shall be allowed to monitor all mass grading and trenching activities. The Tribal representative(s) shall attend the pre-grading meeting with the City and contractors to explain and coordinate the requirements of the monitoring program.

CR-3: If, during mass grading and trenching activities, the Archaeologist or Tribal representatives suspect that an archaeological resource and/or TCR may have been

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unearthed, the monitor identifying the potential resources, in consultation with the other monitor as appropriate, shall immediately halt and redirect grading operations in a 100-foot radius around the find to allow identification and evaluation of the suspected resource. The Native American monitor(s) or appropriate representative(s) and the archaeological monitor shall evaluate the suspected resource and make a determination of significance pursuant to California Public Resources Code Section 21083.2. The archaeological monitor and tribal monitor(s) or appropriate representative(s), the Project Applicant, and the City Planning Division shall confer regarding mitigation of the discovered resource(s). All sacred sites, should they be encountered within the Project area, shall be avoided and preserved as the preferred mitigation, if feasible.

CR-4: Prior to grading permit issuance, the City shall verify that the following note is included on the Grading Plan:

"If any suspected archaeological resources are discovered during ground-disturbing activities and the archaeological monitor or Tribal representatives are not present, the construction supervisor is obligated to halt work in a 100-foot radius around the find and call the project archaeologist and the Tribal representatives to the site to assess the significance of the find."

CR-5: If human remains are encountered, California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the Riverside County Coroner has made the necessary findings as to origin. Further, pursuant to California Public Resources Code Section 5097.98(b), remains shall be left in place and free from disturbance until a final decision as to the treatment and disposition has been made by the Coroner. If the Riverside County Coroner determines the remains to be Native American, the California Native American Heritage Commission must be contacted within 24 hours. The Native American Heritage Commission must then immediately notify the "most likely descendant(s)" of receiving notification of the discovery. The most likely descendant(s) shall then make recommendations within 48 hours, and engage in consultations concerning the treatment of the remains as provided in Public Resources Code §5097.98.

CR-6: Prior to construction involving excavation four feet or more below existing surface grade, the construction contractor shall provide evidence that a qualified paleontologist has been retained, and that the paleontologist(s) shall be present during all grading and other significant ground-disturbing activities that reach four feet or more below existing surface grade. In the event fossiliferous deposits are encountered, the following measures shall be implemented:

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- Monitoring shall be conducted by qualified paleontological monitor(s) of excavation in areas identified as likely to contain paleontological resources, including very old alluvial fan deposits. Paleontological monitors shall be equipped to salvage fossils as they are unearthed, to avoid construction delays, and to remove samples of sediments that are likely to contain the remains of small fossil invertebrates and vertebrates. Monitors shall be empowered to temporarily halt or divert equipment to allow removal of abundant or large specimens. Monitoring may be reduced if the potentially fossiliferous units are determined upon exposure and examination by qualified paleontological personnel to have low potential to contain fossil resources.
- Paleontological monitoring of any earthmoving will be conducted by a monitor, under direct guidance of a qualified paleontologist. Earthmoving in areas of the parcel where previously undisturbed sediments are buried, but not otherwise disturbed, will not be monitored.
- If too few fossil remains are found after 50 percent of the planned-for earthmoving has been completed, monitoring can be reduced or discontinued in those areas at the Project paleontologist's direction.
- Preparation of recovered specimens to a point of identification and permanent preservation, including washing of sediments to recover small invertebrates and vertebrates.
- Identification and curation of specimens into a professional, fully accredited museum repository with permanent retrievable storage. The paleontologist must have a written repository agreement in hand prior to the initiation of mitigation activities.
- Preparation or a report of findings with and appended itemized inventory of specimens. The report and inventory, when submitted to the city along with confirmation of the curation of recovered of recovered specimens into an established, accredited museum repository, will signify completion of the program to mitigate impacts to paleontological resources.

Noise

N-1: Construction activities shall be operated in a manner that limits noise impacts on surrounding uses (General Plan Policy 6.5.2). In order to limit noise impacts on surrounding property, the construction contractor will ensure the following:

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- All construction equipment powered by gasoline or diesel engines will be required to have sound-control devices at least as effective as those originally provided by the manufacturer; no equipment will be permitted to have an unmuffled exhaust.
- Mobile noise-generating equipment and machinery will be shut off when not in use;

Construction vehicles assessing the site will be required to use the shortest possible route to and from local freeways, provided the routes do not expose additional receptors to noise.

N-2: The staging of construction equipment and the construction trailer shall be placed as far as possible from the existing single-family residences located to the west and south and the schools to the south.

**Building and Safety Division**

The following are general comments generated on the information provided and do not constitute a complete list of potential items or issues for this project proposal. Fee estimates for plan review and permits can be obtained by contacting the Building and Safety Division at 951.413.3350.

- B1. All new structures shall be designed in conformance to the latest design standards adopted by the State of California in the California Building Code, (CBC) Part 2, Title 24, California Code of Regulations including requirements for allowable area, occupancy separations, fire suppression systems, etc. The current code edition is the 2016 CBC.
- B2. The proposed project may be classified as an R-3/U occupancy and shall comply with the 2016 California Residential Code (CRC).
- B3. Building plans submitted shall be signed and sealed by a California licensed design professional as required by the State Business and Professions Code.
- B4. The proposed development may be subject to the payment of required development fees as required by the City's Fee Ordinance at the time an application is submitted or prior to the issuance of permits as determined by the City.
- B5. The proposed project may be subject to approval by the Water District serving this location and all applicable fees and charges shall be paid to the District prior to permit issuance. Contact the appropriate water district for details.
- B6. Prior to final inspection, all plans shall be placed on a CD Rom for reference and verification. Plans will include "as built" plans, revisions and changes. The CD will

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also include Title 24 energy calculations, structural calculations and all other pertinent information. It will be the responsibility of the developer and or the building or property owner(s) to bear all costs required for this process. The CD will be presented to the Building and Safety Division for review prior to final inspection and building occupancy. The CD will become the property of the Moreno Valley Building and Safety Division. In addition, a site plan showing the path of travel from public right of way with elevations will be required.

**SCHOOL DISTRICT**

- S1. (BP) Prior to issuance of building permits, the developer shall provide to the Community & Economic Development Director a written certification by the affected school district that either: (1) the project has complied with the fee or other exaction levied on the project by the governing board of the district, pursuant to Government Code Section 65996; or (2) the fee or other requirement does not apply to the project.

**UNITED STATES POSTAL SERVICE**

- PO1. (BP) Prior to the issuance of building permits, the developer shall contact the U.S. Postal Service to determine the appropriate type and location of mailboxes.



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**FIRE PREVENTION BUREAU**

With respect to the conditions of approval, the following fire protection measures shall be provided in accordance with Moreno Valley City Ordinances and/or recognized fire protection standards:

- F1. Prior to issuance of Certificate of Occupancy or Building Final, "Blue Reflective Markers" shall be installed to identify fire hydrant locations in accordance with City specifications. (CFC 509.1 and MVLT 440A-0 through MVLT 440C-0)
- F2. During phased construction, dead end roadways and streets which have not been completed shall have a turn-around capable of accommodating fire apparatus. (CFC 503.1 and 503.2.5)
- F3. If construction is phased, each phase shall provide an approved emergency vehicular access way for fire protection prior to any building construction. (CFC 501.4)
- F4. Prior to construction and issuance of building permits, all locations where structures are to be built shall have an approved Fire Department emergency vehicular access road (all weather surface) capable of sustaining an imposed load of 80,000 lbs. GVW, based on street standards approved by the Public Works Director and the Fire Prevention Bureau. (CFC 501.4 and MV City Standard Engineering Plan 108d)
- F5. Prior to construction and issuance of Building Permits, fire lanes and fire apparatus access roads shall have an unobstructed width of not less than twenty-four (24) feet as approved by the Fire Prevention Bureau and an unobstructed vertical clearance of not less the thirteen (13) feet six (6) inches. (CFC 503.2.1 and MVMC 8.36.060[E])
- F6. Prior to construction, all roads, driveways and private roads shall not exceed 12 percent grade. (CFC 503.2.7 and MVMC 8.36.060[G])
- F7. Prior to construction, all locations where structures are to be built shall have an approved Fire Department access based on street standards approved by the Public Works Director and the Fire Prevention Bureau. (CFC 501.4)
- F8. Prior to building construction, dead end roadways and streets which have not been completed shall have a turnaround capable of accommodating fire apparatus. (CFC 503.2.5)
- F9. The angle of approach and departure for any means of Fire Department access shall not exceed 1 ft drop in 20 ft (0.3 m drop in 6 m), and the design limitations of the fire apparatus of the Fire Department shall be subject to approval by the AHJ. (CFC 503 and MVMC 8.36.060)

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- F10. Prior to issuance of the building permit for development, independent paved access to the nearest paved road, maintained by the City shall be designed and constructed by the developer within the public right of way in accordance with City Standards. (MVMC 8.36.060, CFC 501.4)
- F11. Prior to construction, “private” driveways over 150 feet in length shall have a turn-around as determined by the Fire Prevention Bureau capable of accommodating fire apparatus. Driveway grades shall not exceed 12 percent. (CFC 503 and MVMC 8.36.060, CFC 501.4)
- F12. Prior to issuance of Certificate of Occupancy or Building Final, all residential dwellings shall display street numbers in a prominent location on the street side of the residence in such a position that the numbers are easily visible to approaching emergency vehicles. The numbers shall be located consistently on each dwelling throughout the development. The numerals shall be no less than four (4) inches in height and shall be low voltage lighted fixtures. (CFC 505.1, MVMC 8.36.060[I])
- F13. Prior to issuance of Building Permits, the applicant/developer shall participate in the Fire Impact Mitigation Program. (Fee Resolution as adopted by City Council)
- F14. Prior to issuance of Certificate of Occupancy or Building Final, the applicant/developer shall install a fire sprinkler system based on square footage and type of construction, occupancy or use. Fire sprinkler plans shall be submitted to the Fire Prevention Bureau for approval prior to installation. (CFC Chapter 9, MVMC 8.36.100[D])
- F15. Prior to issuance of Building Permits, the applicant/developer shall furnish one copy of the water system plans to the Fire Prevention Bureau for review. Plans shall:
- a) Be signed by a registered civil engineer or a certified fire protection engineer;
  - b) Contain a Fire Prevention Bureau approval signature block; and
  - c) Conform to hydrant type, location, spacing of new and existing hydrants and minimum fire flow required as determined by the Fire Prevention Bureau.

The required water system, including fire hydrants, shall be installed, made serviceable, and be accepted by the Moreno Valley Fire Department prior to beginning construction. They shall be maintained accessible.

Existing fire hydrants on public streets are allowed to be considered available. Existing fire hydrants on adjacent properties shall not be considered available

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unless fire apparatus access roads extend between properties and easements are established to prevent obstruction of such roads. (CFC 507, 501.3)

- F16. Prior to construction, all traffic calming designs/devices must be approved by the Fire Marshal and City Engineer.
- F17. Single Family Dwellings. Schedule "A" fire prevention approved standard fire hydrants (6" x 4" x 2 1/2") shall be located at each intersection of all residential streets. Hydrants shall be spaced no more than 500 feet apart in any direction so that no point on the street is more than 250 feet from a hydrant. Minimum fire flow shall be 1000 GPM for 1 hour duration of 20 PSI. Where new water mains are extended along streets where hydrants are not needed for protection of structures or similar fire problems, serving one and two-family residential developments, standard fire hydrants shall be provided at spacing not to exceed 1000 feet along the tract boundary for transportation hazards. (CFC 507.3, Appendix B, MVMC 8.36.060).

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**PUBLIC WORKS DEPARTMENT**

**Land Development Division**

The following are the Public Works Department – Land Development Division Conditions of Approval for this project and shall be completed at no cost to any government agency. All questions regarding the intent of the following conditions shall be referred to the Land Development Division.

**General Conditions**

- LD1. (G) The developer shall comply with all applicable City ordinances and resolutions including the City’s Municipal Code (MC) and if subdividing land, the Government Code (GC) of the State of California, specifically Sections 66410 through 66499.58, said sections also referred to as the Subdivision Map Act (SMA). [MC 9.14.010]
- LD2. (G) The tentative map shall correctly show all existing easements, traveled ways, and drainage courses. Any omission may require the map or plans associated with this application to be resubmitted for further consideration. [MC 9.14.040(A)]
- LD3. (G) In the event right of way or offsite easements are required to construct offsite improvements necessary for the orderly development of the surrounding area to meet the public health and safety needs, the developer shall make a good faith effort to acquire the needed right of way in accordance with the Land Development Division’s administrative policy. If unsuccessful, the Developer shall enter into an agreement with the City to acquire the necessary right of way or offsite easements and complete the improvements at such time the City acquires the right of way or offsite easements which will permit the improvements to be made. The developer shall be responsible for all costs associated with the right of way or easement acquisition. [GC 66462.5]
- LD4. (G) If improvements associated with this project are not initiated within two (2) years of the date of approval of the Public Improvement Agreement (PIA), the City Engineer may require that the engineer's estimate for improvements associated with the project be modified to reflect current City construction costs in effect at the time of request for an extension of time for the PIA or issuance of a permit.
- LD5. (G) The developer shall monitor, supervise and control all construction and construction supportive activities, so as to prevent these activities from causing a public nuisance, including but not limited to, insuring strict adherence to the following:
- a. Removal of dirt, debris, or other construction material deposited on any public street no later than the end of each working day.
  - b. Observance of working hours as stipulated on permits issued by the Land Development Division.

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- c. The construction site shall accommodate the parking of all motor vehicles used by persons working at or providing deliveries to the site.
- d. All dust control measures per South Coast Air Quality Management District (SCAQMD) requirements during the grading operations.

Violation of any condition, restriction or prohibition set forth in these conditions shall subject the owner, applicant, developer or contractor(s) to remedy as noted in City Municipal Code 8.14.090. In addition, the City Engineer or Building Official may suspend all construction related activities for violation of any condition, restriction or prohibition set forth in these conditions until such time as it has been determined that all operations and activities are in conformance with these conditions.

- LD6. (G) The developer shall protect downstream properties from damage caused by alteration of drainage patterns (i.e. concentration or diversion of flow, etc.). Protection shall be provided by constructing adequate drainage facilities, including, but not limited to, modifying existing facilities or by securing a drainage easement. [MC 9.14.110]
- LD7. (G) Public drainage easements, when required, shall be a minimum of 25 feet wide and shall be shown on the map and plan, and noted as follows: *“Drainage Easement – no structures, obstructions, or encroachments by landfills are allowed.”* In addition, the grade within the easement area shall not exceed a 3:1 (H:V) slope, unless approved by the City Engineer.
- LD8. (G) For single family residential subdivisions, all lots shall drain toward the street unless otherwise approved by the City Engineer. Residential lot drainage to the street shall be by side yard swales, and must be directed to a driveway or drainage devices located outside the right of way in accordance with City Standard MVS1-154-0. No cross-lot or over the sidewalk drainage shall be allowed.
- LD9. (G) Prior to any plan approval, a final detailed drainage study (prepared by a registered/licensed civil engineer) shall be submitted for review and approved by the City Engineer. The study shall include existing and proposed hydrologic conditions as well as hydraulic calculations for all drainage control devices and storm drain lines. [MC 9.14.110(A.1)]. A digital (pdf) copy of the approved drainage study shall be submitted to the Land Development Division.
- LD10. (G) Water quality best management practices (BMPs) designed to meet Water Quality Management Plan (WQMP) requirements for single-family residential development shall not be used as a construction BMP. Water quality BMPs shall be maintained for the entire duration of the project construction and be used to treat runoff from those developed portions of the project. Water quality BMPs shall be protected from upstream construction related runoff by having proper best management practices in place and maintained. Water quality BMPs shall be graded per the approved design plans and once landscaping and irrigation has been installed, it and its maintenance shall be turned over to

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an established Homeowner's Association (HOA). The Homeowner's Association shall enter into an agreement with the City for basin maintenance.

- LD11. (G) The final approved conditions of approval (COAs) and any applicable Mitigation Measures issued by the Planning Division shall be photographically or electronically placed on Mylar sheets and included in the Grading and Street Improvement plans.
- LD12. (G) Aggregate slurry, as defined in Section 203-5 of Standard Specifications for Public Works Construction, may be required just prior to the end of the one-year warranty period of the public streets at the discretion of the City Engineer. If slurry is required, a slurry mix design shall be submitted for review and approved by the City Engineer. The latex additive shall be Ultra Pave 70 (for anionic) or Ultra Pave 65 K (for cationic) or an approved equal per the geotechnical report. The latex shall be added at the emulsion plant after weighing the asphalt and before the addition of mixing water. The latex shall be added at a rate of two to two-and-one-half (2 to 2½) parts to one-hundred (100) parts of emulsion by volume. Any existing striping shall be removed prior to slurry application and replaced per City standards.

Prior to Grading Plan Approval

- LD13. (GPA) Grading plans (prepared by a registered/licensed civil engineer) shall be submitted for review and approved by the City Engineer per the current submittal requirements.
- LD14. (GPA) Landscape & Irrigation plans (prepared by a registered/licensed landscape architect) for water quality BMPs shall be submitted for review and approved by the City Engineer per the current submittal requirements, if applicable.
- LD15. (GPA) The developer shall ensure compliance with the City Grading ordinance, these Conditions of Approval and the following criteria:
- a. The project street and lot grading shall be designed in a manner that perpetuates the existing natural drainage patterns with respect to tributary drainage area and outlet points. Unless otherwise approved by the City Engineer, lot lines shall be located at the top of slopes.
  - b. Any grading that creates cut or fill slopes adjacent to the street shall provide erosion control, sight distance control, and slope easements as approved by the City Engineer.
  - c. All improvement plans are substantially complete and appropriate clearance letters are provided to the City.
  - d. A soils/geotechnical report (addressing the soil's stability and geological conditions of the site) shall be submitted to the Land Development Division for review. A digital (pdf) copy of the soils/geotechnical report shall be submitted to the Land Development Division.



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- LD16. (GPA) The developer shall select Low Impact Development (LID) Best Management Practices (BMPs) designed per the latest version of the Water Quality Management Plan (WQMP) - a guidance document for the Santa Ana region of Riverside County.
- LD17. (GPA) For projects that will result in discharges of storm water associated with construction with a soil disturbance of one or more acres of land, the developer shall submit a Notice of Intent (NOI) and obtain a Waste Discharger's Identification number (WDID#) from the State Water Quality Control Board (SWQCB) which shall be noted on the grading plans.
- LD18. (GPA) Two (2) copies of the final project-specific Water Quality Management Plan (WQMP) shall be submitted for review and approved by the City Engineer, which:
- Addresses Site Design Best Management Practices (BMPs) such as minimizing impervious areas, maximizing permeability, minimizes directly connected impervious areas to the City's street and storm drain systems, and conserves natural areas;
  - Incorporates Source Control BMPs and provides a detailed description of their implementation;
  - Describes the long-term operation and maintenance requirements for BMPs requiring maintenance; and
  - Describes the mechanism for funding the long-term operation and maintenance of the BMPs.
- A copy of the final WQMP template can be obtained on the City's Website or by contacting the Land Development Division. A digital (pdf) copy of the approved final project-specific Water Quality Management Plan (WQMP) shall be submitted to the Land Development Division.
- LD19. (GPA) A Storm Water Pollution Prevention Plan (SWPPP) shall be prepared in conformance with the State's current Construction Activities Storm Water General Permit. A copy of the current SWPPP shall be kept at the project site and be available for review upon request.
- LD20. (GPA) The developer shall pay all remaining plan check fees.
- LD21. (GPA) Resolution of all drainage issues shall be as approved by the City Engineer.

Prior to Grading Permit

- LD22. (GP) The developer shall submit recorded slope easements from adjacent property owners in all areas where grading resulting in slopes is proposed to take place outside of the project boundaries. For all other offsite grading, written permission from adjacent property owners shall be submitted.

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- LD23. (GP) A receipt showing payment of the Area Drainage Plan (ADP) fee to Riverside County Flood Control and Water Conservation District shall be submitted. [MC 9.14.100(O)]
- LD24. (GP) Security, in the form of a cash deposit (preferable), or letter of credit shall be submitted as a guarantee of the completion of the grading operations for the project. [MC 8.21.070]
- LD25. (GP) Security, in the form of a cash deposit (preferable), or letter of credit shall be submitted as a guarantee of the implementation and maintenance of erosion control measures. At least twenty-five (25) percent of the required security shall be in the form of a cash deposit with the City. [MC 8.21.160(H)]
- LD26. (GP) The developer shall pay all applicable inspection fees.
- LD27. (GP) A digital (pdf) copy of the approved grading plans shall be submitted to the Land Development Division.

Prior to Map Approval

- LD28. (MA) Final maps (prepared by a registered civil engineer and/or licensed surveyor) shall be submitted for review and approved by the City Engineer per the current submittal requirements.
- LD29. (MA) Resolution of all drainage issues shall be as approved by the City Engineer.
- LD30. (MA) A copy of the Covenants, Conditions and Restrictions (CC&Rs) shall be submitted for review and approved by the City Engineer. The CC&Rs shall include, but not be limited to, access easements, reciprocal access, private and/or public utility easements as may be relevant to the project. In addition, for single-family residential development, bylaws and articles of incorporation shall also be included as part of the maintenance agreement for any water quality BMPs.
- LD31. (MA) All street dedications shall be free of all encumbrances, irrevocably offered to the public and shall continue in force until the City accepts or abandons such offers, unless otherwise approved by the City Engineer.
- LD32. (MA) The developer shall guarantee the completion of all related improvements required for this project by executing a Public Improvement Agreement (PIA) with the City and posting the required security. [MC 9.14.220]
- LD33. (MA) All public improvement plans required for this project shall be approved by the City Engineer in order to execute the Public Improvement Agreement (PIA).
- LD34. (MA) The developer shall enter into a Cooperative Agreement with the City and Riverside County Flood Control and Water Conservation District establishing the terms and conditions covering the inspection, operation and maintenance of Master Drainage Plan facilities required to be constructed as part of the project.

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- LD35. (MA) The developer shall comply with the requirements of the City Engineer based on recommendations of the Riverside County Flood Control District regarding the construction of County Master Plan Facilities.
- LD36. (MA) If the project involves the subdivision of land, maps may be developed in phases with the approval of the City Engineer. Financial security shall be provided for all public improvements associated with each phase of the map. The boundaries of any multiple map increment shall be subject to the approval of the City Engineer. If the project does not involve the subdivision of land and it is necessary to dedicate right of way/easements, the developer shall make the appropriate offer of dedication by separate instrument. In either case, the City Engineer may require the dedication and construction of necessary utility, street or other improvements beyond the project boundary, if the improvements are needed for circulation, parking, access, or for the welfare or safety of the public. [MC 9.14.080(B)(C), GC 66412 & 66462.5]
- LD37. (MA) All proposed street names shall be submitted for review and approved by the City Engineer, if applicable. [MC 9.14.090(E.2.k)]
- LD38. (MA) Under the current permit for storm water activities required as part of the National Pollutant Discharge Elimination System (NPDES) as mandated by the Federal Clean Water Act, this project is subject to the following requirements:
- a. Establish a Home Owners Association (HOA) to finance the maintenance of the "Water Quality BMPs". Any lots which are identified as "Water Quality BMPs" shall be owned in fee by the HOA.
  - b. Dedicate a maintenance easement to the City of Moreno Valley.
  - c. Execute a maintenance agreement between the City of Moreno Valley and the HOA, which shall be approved by City Council.
  - d. Establish a trust fund per the terms of the maintenance agreement.
  - e. Provide a certificate of insurance per the terms of the maintenance agreement.
  - f. Select one of the following options to meet the financial responsibility to provide storm water utilities services for the required continuous operation, maintenance, monitoring system evaluations and enhancements, remediation and/or replacement, all in accordance with Resolution No. 2002-46.
    - i. Participate in the mail ballot proceeding in compliance with Proposition 218, for the Residential NPDES Regulatory Rate Schedule and pay all associated costs with the ballot process, or
    - ii. Establish an endowment to cover future maintenance costs for the Residential NPDES Regulatory Rate Schedule.
  - g. Notify the Special Districts Division of the intent to record the final map 90 days prior to City Council action authorizing recordation of the final map and the financial option selected. The final option selected shall be in place prior

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to the issuance of certificate of occupancy. [California Government Code & Municipal Code]

- LD39. (MA) After recordation, a digital (pdf) copy of the recorded map shall be submitted to the Land Development Division.

Prior to Improvement Plan Approval

- LD40. (IPA) All public improvement plans (prepared by a licensed/registered civil engineer) shall be submitted for review and approved by the City Engineer per the current submittal requirements.
- LD41. (IPA) The developer shall submit clearances from all applicable agencies, and pay all applicable plan check fees.
- LD42. (IPA) The street improvement plans shall comply with current City policies, plans and applicable City standards (i.e. MVSI-160 series, etc.) throughout this project.
- LD43. (IPA) The design plan and profile shall be based upon a centerline, extending beyond the project boundaries a minimum distance of 300 feet at a grade and alignment approved by the City Engineer.
- LD44. (IPA) The plans shall indicate any restrictions on trench repair pavement cuts to reflect the City's moratorium on disturbing newly-constructed pavement less than three (3) years old and recently slurry sealed streets less than one (1) year old. Pavement cuts for trench repairs may be allowed for emergency repairs or as specifically approved by the City Engineer.
- LD45. (IPA) All dry and wet utilities shall be shown on the plans and any crossings shall be potholed to determine actual location and elevation. Any conflicts shall be identified and addressed on the plans. The pothole survey data shall be submitted to Land Development with the public improvement plans for reference purposes only. The developer is responsible to coordinate with all affected utility companies and bear all costs of any utility relocation.
- LD46. (IPA) The developer is required to bring any existing access ramps adjacent to and fronting the project to current ADA (Americans with Disabilities Act) requirements. However, when work is required in an intersection that involves or impacts existing access ramps, all access ramps in that intersection shall be retrofitted to comply with current ADA requirements, unless approved otherwise by the City Engineer.
- LD47. (IPA) Drainage facilities (i.e. catch basins, etc.) with sump conditions shall be designed to convey the tributary 100-year storm flows. Secondary emergency escape shall also be provided.
- LD48. (IPA) The hydrology study shall be designed to accept and properly convey all off-site drainage flowing onto or through the site. All storm drain design and improvements shall be submitted for review and approved of the City Engineer. In the event that the City Engineer permits the use of streets for drainage purposes, the provisions of current City standards shall apply. Should the

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quantities exceed the street capacity or the use of streets be prohibited for drainage purposes, as in the case where one travel lane in each direction shall not be used for drainage conveyance for emergency vehicle access on streets classified as minor arterials and greater, the developer shall provide adequate facilities as approved by the City Engineer. [MC 9.14.110 A.2]

Prior to Encroachment Permit

- LD49. (EP) All work performed within public right of way requires an encroachment permit. Security (in the form of a cash deposit or other approved means) may be required as determined by the City Engineer. For non-subdivision projects, the City Engineer may require the execution of a Public Improvement Agreement (PIA) as a condition of the issuance of a construction or encroachment permit. All inspection fees shall be paid prior to issuance of construction permit. [MC 9.14.100(C.4)]
- LD50. (EP) A digital (pdf) copy of all approved improvement plans shall be submitted to the Land Development Division.
- LD51. (EP) All applicable inspection fees shall be paid.

Prior to Building Permit

- LD52. (BP) For all subdivision projects, the map shall be recorded (excluding model homes). [MC 9.14.190]
- LD53. (BP) Certification to the line, grade, flow test, and system invert elevations for the water quality control BMPs shall be submitted or review and approved by the City Engineer (excluding models homes). The certification shall be prior to placement of bio-retention filter media.
- LD54. (BP) An engineered-fill certification, rough grade certification and compaction report shall be submitted for review and approved by the City Engineer. A digital (pdf) copy of the approved compaction report shall be submitted to the Land Development Division. All pads shall meet pad elevations per approved grading plans as noted by the setting of "blue-top" markers installed by a registered land surveyor or licensed civil engineer.

Prior to Occupancy

- LD55. (CO) All required as-built plans (prepared by a registered/licensed civil engineer) shall be submitted for review and approved by the City Engineer per the current submittal requirements.
- LD56. (CO) The engineered final/precise grade certification shall be submitted for review and approved by the City Engineer.
- LD57. (CO) All outstanding fees shall be paid.



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- LD58. (CO) The developer shall complete all public improvements in conformance with current City standards, except as noted in the Special Conditions, including but not limited to the following:
- a. Street improvements including, but not limited to: pavement, base, curb and/or gutter, cross gutters, spandrel, sidewalks, drive approaches, pedestrian ramps, street lights, signing, striping, under sidewalk drains, landscaping and irrigation, medians, redwood header boards, pavement tapers/transitions and traffic control devices as appropriate.
  - b. Storm drain facilities including, but not limited to: storm drain pipe, storm drain laterals, open channels, catch basins and local depressions.
  - c. City-owned utilities.
  - d. Sewer and water systems including, but not limited to: sanitary sewer, potable water and recycled water.
  - e. Under grounding of all existing and proposed utilities adjacent to and on-site. [MC 9.14.130]
  - f. Relocation of overhead electrical utility lines including, but not limited to: electrical, cable and telephone.
- LD59. (CO) For residential subdivisions, prior to releasing the last 20% or last 5 permitted structures (whichever is greater, unless otherwise determined by the City Engineer) of any Map Phase, punch list work for improvements and capping of streets in that phase shall be completed and approved for acceptance by the City Engineer.
- LD60. (CO) The Developer shall comply with the following water quality related items:
- a. Notify the Land Development Division prior to construction and installation of all structural BMPs so that an inspection can be performed.
  - b. Demonstrate that all structural BMPs described in the approved final project-specific WQMP have been constructed and installed in conformance with the approved plans and specifications;
  - c. Demonstrate that Developer is prepared to implement all non-structural BMPs described in the approved final project-specific WQMP; and
  - d. Demonstrate that an adequate number of copies of the approved final project-specific WQMP are available for future owners/occupants.
  - e. Clean and repair the water quality BMP's, including re-grading to approved civil drawings if necessary.
  - f. Provide City with updated Engineer's Line and Grade Certification.
  - g. Obtain approval and complete installation of the irrigation and landscaping.
- LD61. (CO) The applicant shall ensure the following, pursuant to Section XII. I. of the 2010 NPDES Permit:



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- a. Field verification that structural Site Design, Source Control and Treatment Control BMPs are designed, constructed and functional in accordance with the approved Final Water Quality Management Plan (WQMP).
- b. Certification of best management practices (BMPs) from a state licensed civil engineer. An original WQMP BMP Certification shall be submitted for review and approved by the City Engineer.

Special Conditions

- LD62. (GP) Prior to the payment of the Development Impact Fee (DIF), the developer may enter into a DIF Improvement Credit Agreement to secure credit for the construction of applicable improvements. The Agreement must be submitted prior to the issuance of a grading permit and must be approved by the City Council prior to receiving credit for applicable improvements. If the developer fails to complete this agreement prior to the timing specified above, no credits will be given. The developer shall pay current DIF fees adopted by the City Council. [Ord. 695 § 1.1 (part), 2005] [MC 3.38.030, 040, 050]
- LD63. (GP) Prior to the payment of the Transportation Uniform Mitigation Fee (TUMF), the developer may enter into a TUMF Improvement Credit Agreement to secure credit for the construction of applicable improvements. The Agreement must be submitted prior to the issuance of a grading permit and must be approved by the City Council prior to receiving credit for applicable improvements. If the developer fails to complete this agreement by the timing specified above, no credits will be given. The developer shall pay current TUMF fees adopted by the City Council. [Ord. 835 § 2.1, 2012] [MC 3.44.060]
- LD64. Prior to final map approval, the map shall show the following:
- a. The appropriate right-of-way dedication along Indian Street frontage shown as Lot S on the tentative tract map.
  - b. The appropriate right-of-way dedication on Santiago Drive frontage shown as Lots Q and R on the tentative tract map.
  - c. The appropriate right-of-way dedication on Gentian Street frontage shown as Lot D on the tentative parcel map.
  - d. A 10-foot landscape easement along the east side of Indian Street and south side of Gentian Avenue.
  - e. A 1.5-foot landscape easement along the north side of Santiago Drive.
  - f. A 3.5-foot wide public utility easement along the south side of Street "D" as needed.
- LD65. Prior to final map approval, the Developer shall guarantee the construction of the following improvements by entering into a public improvement agreement and posting security. The improvements along the project frontage shall be completed prior to occupancy of the first building or as otherwise determined by the City Engineer:

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- a. Indian Street, Minor Arterial, City Standard MVSI-105A-0 (88-foot RW / 64-foot CC) shall be constructed to complete the half-width along the entire project's west frontage. Remaining improvements shall consist of, but not be limited to pavement and base, sidewalk, catch basin, streetlights, pedestrian access ramps, and dry and wet utilities. In addition, the applicant will be required to install, replace and/or repair any missing, damaged or substandard improvements that do not meet current City standards.
- b. Santiago Drive (east), Collector, City Standard MVSI-106B-0 (66-foot RW / 44-foot CC) shall be constructed to half-width plus an additional 12 feet south of the centerline from Street "L" to the project easterly boundary and half-width plus an additional 18 feet south of the centerline from the project easterly boundary to Perris Boulevard. Improvements shall consist of, but not be limited to, pavement and base, curb, gutter, sidewalk, driveway approaches, catch basins, storm drain, streetlights, pedestrian access ramps, and dry and wet utilities.
- c. Santiago Drive (west), Collector, City Standard MVSI-106B-0 (66-foot RW / 44-foot CC) shall be constructed to full-width between Indian Street and Street "N". Improvements shall consist of, but not be limited to, pavement and base, curb, gutter, sidewalk, driveway approaches, catch basins, storm drain, streetlights, pedestrian access ramps, and dry and wet utilities.
- d. Gentian Street, Minor Arterial (modified), City Standard MVSI-105A-0 (88-foot RW / 64-foot CC) shall be constructed to half-width plus an additional 18 feet north of the centerline, along the entire project's north frontage. Improvements shall consist of, but not be limited to, a raised median, pavement and base, curb, gutter, sidewalk, catch basins, streetlights, pedestrian access ramps, dry and wet utilities.
- e. Street "D", Local Street (modified), City Standard MVSI-107A-0 (56-foot RW / 36-foot CC) shall be constructed to full-width as shown on the tentative map. Improvements shall consist of, but not be limited to, pavement and base, curb, gutter, sidewalk, catch basins, storm drain streetlights, pedestrian access ramps, dry and wet utilities.
- f. Street "L", Collector (modified), City Standard MVSI-106B-0 (66-foot RW / 40-foot CC) shall be constructed to full-width as shown on the tentative map. Improvements shall consist of, but not be limited to, pavement and base, curb, gutter, sidewalk, catch basins, storm drain, streetlights, pedestrian access ramps, dry and wet utilities.
- g. Streets "A", "B", "C", "E", "F", "G", "H", "I", "J", "K", "M", "N", "O", and "P", Local Street, City Standard MVSI-107A-0 (56-foot RW / 36-foot CC) shall be constructed to full-width as shown on the tentative map. Improvements shall consist of, but not be limited to, pavement and base, curb, gutter, sidewalk, catch basins, storm drain streetlights, pedestrian access ramps, dry and wet utilities.
- h. All knuckles and cul-de-sacs shall be constructed per City Standards MVSI-162-0 and MVSI-163A-0, respectively.

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- i. Sunnymead Master Drainage Plan (MDP) Line M-2 within the public right-of-way in Santiago Drive, Perris Boulevard and Iris Avenue or an alignment as approved by both the RCFC&WCD and the City. This includes, but not limited to, construction of a 39-inch minimum storm drain, laterals, catch basins/inlets, and local depressions as needed.
  - j. The intersection of Perris Boulevard and Santiago Drive shall be fully improved to the ultimate right-of-way and street width in order to construct a traffic signal required by the Transportation Engineering Division condition TE8.
  
- LD66. Lettered Lots “AA” and “DD” shall be designated for water quality bio-retention purposes and shall be reserved in fee title for the owner, heirs and assigns.
  
- LD67. Lettered Lots “CC” and “HH” shall be designated for park purposes and reserved per the Parks and Community Services Department requirements.
  
- LD68. Lettered Lots “BB”, “EE”, “FF”, “GG”, “II”, “JJ”, “KK”, “LL” “MM”, and “NN”, shall be designated open space and reserved in fee title for the owner, heirs and assigns.
  
- LD69. Lettered Lots “BB”, “EE”, and “FF” shall show a 25-foot drainage easement for storm drain maintenance purposes.
  
- LD70. Prior to the final map approval, the developer shall secure the following:
  - a. Additional right-of-way along the south side of Santiago Drive (east) between Street “L” and approximately 650 feet east of Street “L” for the construction of an eastbound travel lane as shown on the tentative map. The dedication shall be submitted for review, approval, and recorded.
  - b. Additional right-of-way between Indian Street and Street “N” for the full construction of Santiago Drive (west) as shown on the tentative map. The dedication shall be submitted for review, approval, and recorded.
  - c. Vacation of a portion of the south side of Santiago Drive (west), including utilities and drainage easements, as shown on the approved tentative tract map and as approved by City Engineer
  
- LD71. Prior to rough grading plan approval, this project shall demonstrate, via a final drainage study, that the increased runoff resulting from the development of this site is mitigated. During no storm event shall the flow leaving the site in the developed condition be larger than that of the pre-developed condition, unless the study demonstrates that the existing or proposed drainage facilities can accommodate the increased run-off. The drainage study shall analyze the following events: 1, 3, 6 and 24-hour duration events for the 2, 5, 10 and 100-year storm events. The applicant understands that additional detention measures may be required beyond those shown on the tentative map and preliminary drainage study.

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- LD72. Prior to rough grading plan approval, the Applicant shall prepare and submit for approval a final, project-specific water quality management plan (F-WQMP). The F-WQMP shall be consistent with the approved P-WQMP, as well as in full conformance with the document; “Water Quality Management Plan - A Guidance Document for the Santa Ana Region of Riverside County” dated October 22, 2012. The F-WQMP shall be submitted and approved prior to application for and issuance of grading permits. At a minimum, the F-WQMP shall include the following: stormwater BMPs; LID principles; Source control BMPs; Operation and Maintenance requirements for BMPs; and sources of funding for BMP implementation.
- a. The Applicant has proposed to incorporate the use of two (2) bio-retention basins. Final design and sizing details of all BMPs must be provided in the first submittal of the F-WQMP. The Applicant acknowledges that more area than currently shown on the plans may be required to treat site runoff as required by the WQMP guidance document.
  - b. All proposed LID BMP’s shall be designed in accordance with the RCFC&WCD’s Design Handbook for Low Impact Development Best Management Practices, dated September 2011.
  - c. The proposed LID BMP’s as identified in the project-specific P-WQMP shall be incorporated into the Final WQMP.
  - d. The NPDES notes per City Standard Drawing No. MVFE-350-0 shall be included in grading plans.
  - e. Post-construction treatment control BMPs, once placed into operation for post-construction water quality control, shall not be used to treat runoff from construction sites or unstabilized areas of the site.
- LD73. Prior to precise grading plan approval, emergency overflow area(s) shall be shown at all applicable drainage improvement locations in the event that the drainage improvement fails or exceeds full capacity. This may include, but not be limited to, an emergency spillway in the proposed detention basin(s).
- LD74. Prior to issuance of a building permit, the precise grading plans shall be approved.
- LD75. Prior to street improvement plan approval, all dry and wet utilities shall be shown on the plans and any crossings shall be potholed to determine actual location and elevation. Any conflicts shall be identified and addressed on the plans. The pothole survey data shall be submitted to Land Development with the public improvement plans for reference purposes only. The developer is responsible to coordinate with all affected utility companies and bear all costs of any utility relocation.
- LD76. Prior to occupancy, all overhead utility lines less than 115,000 volts fronting or within the entire project site boundary shall be placed underground per Section 9.14.130C of the City Municipal Code.

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- LD77. The Applicant shall, prior to building or grading permit closeout or the issuance of a certificate of occupancy, demonstrate:
- a. That all structural BMPs have been constructed and installed in conformance with the approved plans and specifications;
  - b. That all structural BMPs described in the F-WQMP have been implemented in accordance with approved plans and specifications;
  - c. That the Applicant is prepared to implement all non-structural BMPs included in the F-WQMP, conditions of approval, and building/grading permit conditions; and
  - d. That an adequate number of copies of the approved F-WQMP are available for the future owners/occupants of the project.
- LD78. Prior to occupancy, as-built street improvement plans, storm drain plans and precise grading plans shall be submitted for review and approved.

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**Special Districts Division**

Conditions are standard to all or most development projects. Some special conditions, modified conditions or clarification of conditions may be included. Please review conditions as listed and contact the Division at 951.413.3480 for any questions.

**Acknowledgement of Conditions**

The following are the Special Districts Division's Conditions of Approval for PA14-0052 and PA14-0053; this project shall be completed at no cost to any Government Agency. All questions regarding the following Conditions including but not limited to intent, requests for change/modification, variance and/or request for extension of time shall be sought from the Special Districts Division of the Public Works Department 951.413.3480 or by emailing [specialdistricts@moval.org](mailto:specialdistricts@moval.org).

**General Conditions**

- SD-1 The parcel(s) associated with this project have been incorporated into the Moreno Valley Community Services District Zone A (Parks & Community Services) and Zone C (Arterial Street Lighting). All assessable parcels therein shall be subject to annual parcel taxes for Zone A and Zone C for operations and capital improvements.
- SD-2 Plans for external parkway and median landscape areas designated in the project's Conditions of Approval for incorporation into a City coordinated landscape maintenance program, shall be prepared and submitted in accordance with the City of Moreno Valley Public Works Department Landscape Design Guidelines. The guidelines are available on the City's website at [www.moval.org/sd](http://www.moval.org/sd) or from the Special Districts Division (951.413.3480 or [specialdistricts@moval.org](mailto:specialdistricts@moval.org)).
- SD-3 In the event the City of Moreno Valley determines that funds authorized by any Proposition 218 mail ballot proceeding are insufficient to meet the costs for external parkway maintenance and utility charges, the City shall have the right, at its option, to terminate the grant of any or all parkway maintenance easements. This power of termination, should it be exercised, shall be exercised in the manner provided by law to quit claim and abandon the property so conveyed to the District, and to revert to the Developer or the Developer's successors in interest, all rights, title, and interest in said parkway areas, including but not limited to responsibility for perpetual maintenance of said areas.
- SD-4 The Developer, or the Developer's successors or assignees shall be responsible for all parkway and median landscape maintenance for a period of one (1) year commencing from the time all items of work have been completed to the satisfaction of Special Districts staff as per the City of Moreno Valley Public



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Works Department Landscape Design Guidelines, or until such time as the District accepts maintenance responsibilities.

- SD-5 Any damage to existing landscape areas maintained by the City of Moreno Valley due to project construction shall be repaired/replaced by the Developer, or Developer's successors in interest, at no cost to the City of Moreno Valley.
- SD-6 The ongoing maintenance of any internal parkway landscaping required to be installed within the tract shall be the responsibility of the Home Owner's Association.
- SD-7 Plan check fees for review of parkway/median landscape plans for improvements that shall be maintained by the City of Moreno Valley are due upon the first plan submittal. (MC 3.32.040)
- SD-8 Inspection fees for the monitoring of landscape installation associated with the City of Moreno Valley maintained parkways/medians are due prior to the required pre-construction meeting. (MC 3.32.040)
- SD-9 Street Light Authorization forms for all street lights that are conditioned to be installed as part of this project must be submitted to the Special Districts Division for approval, prior to street light installation. The Street Light Authorization form can be obtained from the utility company providing electric service to the project, either Moreno Valley Utility or Southern California Edison. For questions, contact the Special Districts Division at 951.413.3480 or specialdistricts@moval.org.
- SD-10 Parkway and median landscape areas maintained as part of the City of Moreno Valley Community Facilities District 2014-01 shall be required to have independent utility systems, including but not limited to water, electric, and telephone services. An independent irrigation controller and pedestal will also be required. Combining utility systems with existing or future landscape areas not associated with the City of Moreno Valley Community Facilities District (CFD) landscaping will not be permitted.

Prior to Grading Permit

- SD-11 This project is included within the future annexation boundaries for Community Facilities District No. 7 (CFD No. 7) – Improvement Area No. 3. If Bonds have been sold for CFD No. 7 – Improvement Area No. 3, then the Local Component portion of the Area Drainage Plan (ADP) fee for Riverside County Flood Control and Water Conservation District (RCFCWCD) has been allocated toward the debt service payments on CFD No. 7 bonds and/or paid directly for acquisition of RCFCWCD facilities.

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In order for the Developer to meet its financial obligation, it must notify the Special Districts Division when submitting the application for grading permit and select one of the funding options outlined below.

Or

If a grading permit is not required, the Developer must notify the Special Districts Division at 951.413.3480 or [specialdistricts@moval.org](mailto:specialdistricts@moval.org) when submitting the application for building permit issuance and select one of the funding options outlined below.

- a. Participate in a special election to annex into CFD No. 7 and pay the equivalent to the Local Component portion of the ADP fee including interest as a special tax levied annually on the Riverside County property tax bill; or
- b. Pay the Local Component portion of the ADP fee directly to the City of Moreno Valley, Special Districts Division which shall be used for any authorized purpose for CFD No. 7.

If the funding option selected is participation in a special election, a minimum of 90 days is needed to complete the special election process. This allows adequate time to complete the special election process in compliance with the provisions of Article 13C of the California Constitution for conducting a special election.

Annexation to CFD No. 7 shall be completed or proof of payment of the Local Component portion of the ADP fee shall be provided to the Special Districts Division prior to the issuance of the first building permit for this project.

Prior to Recordation of Final Map

SD-12(R) This project has been conditioned to provide a funding source for the continued maintenance, enhancement, and/or retrofit of parks, open spaces, linear parks, and/or trail systems. The Developer shall satisfy this condition with one of the options below.

- a. Participate in a special election for annexation into Community Facilities District No. 1 and pay all associated costs of the special election process and formation, if any; or
- b. Establish an endowment fund to cover future maintenance costs for new neighborhood parks.

The Developer must notify the Special Districts Division at 951.413.3480 or at [specialdistricts@moval.org](mailto:specialdistricts@moval.org) of its selected financial option prior to City Council

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action authorizing recordation of the final map for the development. A minimum of 90 days is needed to complete the special election process. This allows adequate time to be in compliance with the provisions of Article 13C of the California Constitution for conducting a special election.

Annexation to CFD No. 1 shall be completed or proof of payment to establish the endowment fund shall be provided prior to the issuance of the first building permit for this project.

SD-13(R) This project has been identified to be included in the formation of a Community Facilities District for Public Safety services including but not limited to Police, Fire Protection, Paramedic Services, Park Rangers, and Animal Control services. The property owner(s) shall not protest the formation; however, they retain the right to object to the rate and method of maximum special tax. In compliance with Proposition 218, the property owner shall agree to approve the mail ballot proceeding (special election) for either formation of the CFD or annexation into an existing district that may already be established. The Developer must notify the Special Districts Division at 951.413.3480 or [specialdistricts@moval.org](mailto:specialdistricts@moval.org) of its intent to record the final map for the development 90 days prior to City Council action authorizing recordation of the map. This allows adequate time to be in compliance with the provisions of Article 13C of the California Constitution. (California Government Code Section 53313 et. seq.)

SD-14(R) This project is conditioned to provide a funding source for the following special financing program(s):

- a. Street Lighting Services for capital improvements, energy charges, and maintenance.
- b. Landscape Maintenance Services for external parkway and median landscaping on Indian Street, Gentian Avenue, and Santiago Drive.

The Developer's responsibility is to provide a funding source for the capital improvements and the continued maintenance of the landscaped area. The Developer shall satisfy this condition with one of the options below.

- i. Participate in a special election (mail ballot proceeding) and pay all associated costs of the special election and formation, if any. Financing may be structured through a Community Services District zone, Community Facilities District, Landscape and Lighting Maintenance District, or other financing structure as determined by the City; or
- ii. Establish a Property Owner's Association or Home Owner's Association which will be responsible for any and all operation and maintenance costs.

The Developer must notify the Special Districts Division at 951.413.3480 or at [specialdistricts@moval.org](mailto:specialdistricts@moval.org) of its selected financial option prior to City Council

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action authorizing recordation of the final map for the development. The option for participating in a special election requires approximately 90 days to complete the special election process. This allows adequate time to be in compliance with the provisions of Article 13C of the California Constitution for conducting a special election.

The financial option selected shall be in place prior to the issuance of the first building permit for this project.

SD-15 (R) This project is conditioned to provide a funding source for the operation and maintenance of public improvements and/or services associated with new development in that territory. The Developer shall satisfy this condition with one of the options below.

- a. Participate in a special election for maintenance/services and pay all associated costs of the election process and formation, if any. Financing may be structured through a Community Facilities District, Landscape and Lighting Maintenance District, or other financing structure as determined by the City; or
- b. Establish an endowment fund to cover the future maintenance and/or service costs.

The Developer must notify the Special Districts Division at 951.413.3480 or at [specialdistricts@moval.org](mailto:specialdistricts@moval.org) of its selected financial option prior to City Council action authorizing recordation of the final map for the development. A minimum of 90 days is needed to complete the special election process. This allows adequate time to be in compliance with the provisions of Article 13C of the California Constitution for conducting a special election.

The financial option selected shall be in place prior to the issuance of the first building permit for the project.

SD-16 *Residential* (R) If Land Development, a Division of the Public Works Department, requires this project to supply a funding source necessary to provide for, but not limited to, stormwater utilities services for the required continuous operation, maintenance, monitoring, systems evaluation and enhancements of on-site facilities and performing annual inspections of the affected areas to ensure compliance with state mandated storm water regulations, a funding source needs to be established. The Developer must notify the Special Districts Division at 951.413.3480 or at [specialdistricts@moval.org](mailto:specialdistricts@moval.org) of its selected financial option for the National Pollution Discharge Elimination System (NPDES) program (see Land Development's related condition). Participating in a special election the process requires a 90 day period prior to City Council action authorizing recordation of the final map for the development and to participate in a special election process. This allows adequate time to be in compliance with the

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provisions of Article 13D of the California Constitution. California Health and Safety Code Sections 5473 through 5473.8 (Ord. 708 Section 3.1, 2006) & City of Moreno Valley Municipal Code Title 3, Section 3.50.050.)

- SD-17(R) Easements for reverse frontage parkway areas abutting Indian Street, Gentian Avenue, and Santiago Drive shall be 6 ft. or to top of parkway facing slope or to face of perimeter tract wall, whichever is greater. Easements shall be dedicated to the City of Moreno Valley for landscape maintenance purposes, and shall be depicted on the final map, and an offer of their dedication made thereon.
- SD-18(R) Prior to the recordation of the final map, the Developer shall provide all necessary documents to convey to the City the required easements for parkway and/or slope maintenance as specified on the tentative map or in these Conditions of Approval.

Prior to Building Permit Issuance

- SD-19(BP) Prior to the issuance of the first building permit for this project, the Developer shall pay Advanced Energy fees for all applicable Residential and Arterial Street Lights required for this development. Payment shall be made to the City of Moreno Valley and collected by the Land Development Division. Fees are based upon the Advanced Energy fee rate in place at the time of payment, as set forth in the current Listing of City Fees, Charges, and Rates adopted by City Council. The Developer shall provide a copy of the receipt to the Special Districts Division (*specialdistricts@moval.org*). Any change in the project which may increase the number of street lights to be installed will require payment of additional Advanced Energy fees at the then current fee. Questions may be directed to the Special Districts Division at 951.413.3480 or *specialdistricts@moval.org*.
- SD-20(BP) For those areas to be maintained by the City and prior to the issuance of the first Building Permit, Planning Division (Community Development Department), Special Districts Division (the Public Works Department) and Transportation Division (the Public Works Department) shall review and approve the final median and external parkway landscape/irrigation plans as designated on the tentative map or in these Conditions of Approval prior to the issuance of the first Building Permit.
- SD-21(BP) External parkway and median landscaping specified in the project's Conditions of Approval shall be constructed in compliance with the City of Moreno Valley Public Works Design Guidelines and completed prior to the issuance of 25% (or 55) of the dwelling permits for this tract or 12 months from the issuance of the first dwelling permit, whichever comes first. In cases where a phasing plan is submitted, the actual percentage of dwelling permits issued prior to the completion of the landscaping shall be subject to the review of the construction phasing plan.

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Prior to Certificate of Occupancy

SD-22 (CO) Landscape and irrigation plans for parkway, median, slope, and/or open space landscape areas designated to be maintained by the City shall be placed on compact disk (CD) in pdf format. The CD shall include "As Built" plans, revisions, and changes. The CD will become the property of the City of Moreno Valley and the Moreno Valley Community Services District.



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**Transportation Engineering Division**

**GENERAL CONDITIONS**

- TE1. Indian Street is classified as a Minor Arterial (88'RW/64'CC) per City Standard Plan No. MVSI-105A-0. Traffic Signal Interconnect along project frontage shall be required per City Standard Plan No. MVSI-186-0. Any improvements undertaken by this project shall be consistent with the City's standards for this facility.
- TE2. Gentian Avenue is classified as a Minor Arterial (88'RW/64'CC) per City Standard Plan No. MVSI-105A-0, modified for a raised median. Traffic Signal Interconnect along project frontage shall be required per City Standard Plan No. MVSI-186-0. Any improvements undertaken by this project shall be consistent with the City's standards for this facility.
- TE3. Santiago Drive is designated as a Collector (66'RW/44'CC) per City Standard Plan No. MVSI-106B-0. Any improvements undertaken by this project shall be consistent with the City's standards for this facility.
- TE4. Interior street (A-P, except L) is designated as a Local Street (56'RW/36'CC) per City Standard Plan No. MVSI-107A-0. Any improvements undertaken by this project shall be consistent with the City's standards for this facility.
- TE5. Sight distance at the proposed roadways and driveways shall conform to City of Moreno Valley Standard No. MVSI-164A,B,C-0 at the time of preparation of final grading, landscape, and street improvement plans.
- TE6. Conditions of approval may be modified if project is phased or altered from any approved plans.

**PRIOR TO IMPROVEMENT PLAN APPROVAL OR CONSTRUCTION PERMIT**

- TE7. Prior to the final approval of the street improvement plans, traffic signal modification plans shall be required for the existing traffic signal located at Indian Street and Santiago Drive intersection. Modifications may include, but not limited to, new signal poles, new pull boxes, new traffic detector loops or video detection system, relocation of signal controller cabinet, etc.
- TE8. Prior to the final approval of the street improvement plans, traffic signal plans will be required for a new traffic signal located at the intersection of Perris Boulevard and Santiago Drive.
- TE9. Prior to the final approval of the street improvement plans, a signing and striping plan shall be prepared per the latest edition of the California Manual on Uniform Traffic Control Devices (CAMUTCD) and City of Moreno Valley Standard Plans for Indian Street, Gentian Avenue, Santiago Drive, and all interior streets A-P.

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TE10. Prior to the final approval of the street improvement plans, the intersection of Indian Street and Gentian Avenue shall be designed to provide the following (at a minimum):

- Northbound: One left turn lane, two through lanes;
- Southbound: One left turn lane, two through lanes;
- Eastbound: One left turn lane, one shared through/right turn lane;
- Westbound: One left turn lane, one shared through/right turn lane.

TE11. Prior to issuance of a construction permit, construction traffic control plans prepared by a qualified, registered Civil or Traffic Engineer shall be required for plan approval or as required by the City Traffic Engineer.

TE12. Prior to final approval of the street improvement plans, the project plans shall demonstrate that sight distance at proposed streets and driveways conforms to City Standard Plan No. MVSI-164A-0 through MVSI-164C-0.

PRIOR TO CERTIFICATE OF OCCUPANCY OR BUILDING FINAL

TE13. (CO) Prior to issuance of Certificate of Occupancy, improvements identified in TE7, TE8, TE9, and TE10 shall be completed per the approved plans to the satisfaction of the City Engineer.

TE14. (CO) Prior to issuance of Certificate of Occupancy, all signing and striping shall be installed per current City Standards and the approved plans.

PRIOR TO ACCEPTANCE OF STREETS INTO THE CITY-MAINTAINED ROAD SYSTEM

TE15. Prior to acceptance of streets into the City-maintained road system, all approved signing and striping shall be installed per current City Standards and the approved plans.

TE16. (BP) Prior to issuance of a building permit, the project applicant shall make a fair-share contribution to the City of Moreno Valley for improvements at the following intersection:

1. Indian Street / Cactus Avenue: \$12,586

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**PARKS AND COMMUNITY SERVICES DEPARTMENT**

Acknowledgement of Conditions

The following items are Parks and Community Services Department Conditions of Approval for project PEN16-0094 AND PEN16-0095 (Tract 36760); this project shall be completed at no cost to any Government Agency. All questions regarding Parks and Community Services Department Conditions including but not limited to: intent, requests for change/modification, variance and/or request for extension of time shall be sought from the Parks and Community Services Department 951.413.3280. The applicant is fully responsible for communicating with the Parks and Community Services Department project manager regarding the conditions.

Specific Conditions of Approval

PCS1. The developer shall construct a 2.83-acre (approximate) active park, per these CONDITIONS OF APPROVAL, BONDS, and the PUBLIC FACILITIES FEE CREDIT AGREEMENT for TRACT 36760 (PA14-0052/53) and ASSOCIATED CUP/PUD, FOR DEDICATION AND CONSTRUCTION OF PUBLIC PARK. The developer shall additionally dedicate and construct a BIKEWAY LINEAR PARK WITHIN THE DWR RIGHT-OF-WAY, per these CONDITIONS OF APPROVAL and BONDS for TRACT 36760 (PA14-0052/53) and ASSOCIATED CUP/PUD.

Appropriate Quimby and Parkland Facility Fee credits will be credited to Tract 36760 for the dedication and construction of the active park.

A neighborhood park shall be located within the site per the Conditions of Approval for Tract 36760. The park shall be constructed to the latest edition of the City of Moreno Valley Parks and Community Services Department "Park Specification Guide", "GREENBOOK FOR PUBLIC WORKS CONSTRUCTION", CALIFORNIA BUILDING CODE", and "City Standard Plans". Additionally, the developer shall comply with the following:

- a. Minimum site amenities shall include: separate play equipment for ages 2 to 5 and 5 to 12 on; one (1) 30' x 50' picnic shelter and one (1) 24' hexagon gazebo; large group barbeques; concrete picnic tables, concrete benches; concrete waste/recycle containers; two (2) drinking fountains (Std. MVGF-615B-0); lighted monument signs; LED walkway security lighting; conduit and wiring for security cameras; 10' wide decorative concrete walkways; stabilized decomposed granite walking path; combination of 24" and 30" boxed trees, 5-gallon sized shrubs; 1-gallon sized ground cover; sodded turfgrass; Calsense irrigation controller; 4' tall tubular steel fencing, or a City approved equivalent, surrounding the park; anti-graffiti coating on all adjacent walls, restroom, and monument sign(s); and other amenities typical of parks. All drainage from the park shall be contained in the tract's water quality basin.

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- b. The park and bikeway/linear park design shall be fully completed and approved in conjunction with the grading plans. Construction shall commence prior to the issuance of 30% of building permits for residential units and be completed prior to the issuance of 70% of building permits for residential units.
- c. The developer shall enter into a Facilities Fee Credit Agreement to obtain credit/reimbursement of Quimby and Parkland Facilities Development Impact Fees (DIF).
- d. The park and bikeway/linear park shall be shown as lettered lots and dedicated in fee to the Moreno Valley Community Services District, on the Final Map.

PCS2. A bikeway/linear park shall be designated for Tract 36760, per the Bikeway Master Plan. The bikeway shall have an adjacent walkway for pedestrians. Access points from the tract and the adjacent commercial center to the bikeway/walkway shall be provided. Planters, automated (Calsense) irrigation, turf areas, waste containers, and three-rail PVC fencing typical of parks shall be included in the design. Additionally, the developer shall comply with the following:

PCS3. Any recreational amenities within the pocket park located on Gentian Avenue and adjacent to the DWR aqueduct shall be reviewed and approved by Parks and Community Services. Dedication of such facilities to the CSD shall be at the discretion of the CSD.

**STANDARD CONDITIONS:**

PCS4. A restriction shall be placed on lots that back up to City/CSD owned or maintained parks, trails, bikeways, and landscaped areas, preventing openings or gates accessing the City/CSD owned or maintained property. This shall be documented through Covenants, Conditions, and Restrictions (CC&R's). A copy of the CC&R's with this restriction noted shall be submitted and approved by the Director of Parks and Community Services or his/her designee, prior to the recordation of the Final Map.

PSC5. Within the improvements for PCS, the applicant shall show all existing and planned easements on all maps and plans. Easements on City/CSD owned or maintained parks, trails, bikeways, and landscape shall be identified on each of these plans with the instrument number of the recorded easement.

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- PCS6. The following plans require PCS written approval: Tentative tract/parcel maps; rough grading plans (including all Delta changes); Final Map; precise grading plans; street improvement plans; traffic signal plans; fence and wall plans; landscape plans for areas adjacent to bikeways; trail improvement plans. PCS will not approve any permits without review and approval of the above items.
- PCS7. Prior to recordation of the Final Map, the applicant shall post security to guarantee construction or modification of parks, trails and/or bikeways for the City/CSD. Copies of said documentation shall be provided to PCS, prior to the approval of the Final Map.
- PCS8. Detailed final plans (mylars, PDF, and AutoCAD file on a DVD-R) for parks, trails/bikeways, fencing, and adjoining landscaped areas shall be submitted to and approved by the Director of Parks and Community Services, or his/her designee, prior to the issuance of any building permits. All plans are to include a profile showing grade changes.
- PSC9. Applicable plan check and inspection fees shall be paid, per the approved City fee schedule.
- PCS10. This project may be required to supply a funding source for the continued maintenance, enhancement, and or retrofit of neighborhood parks, open spaces, linear parks, and/or trails systems. This can be achieved through annexing into Community Facilities District No. 1 (Park Maintenance). Please contact the Special Districts Division at 951.413.3480 or [specialdistricts@moval.org](mailto:specialdistricts@moval.org) to complete the annexation process.
- PCS11. The parcel(s) associated with this project have been incorporated into the Moreno Valley Community Services District Zone A (Parks and Community Services). All assessable parcels therein shall be subject to the annual Zone 'A' charge for operations and capital improvements. Proof of such shall be supplied to Parks and Community Services upon Final Map and at Building Permits.
- PSC12. This project is subject to current Development Impact Fees, at time of building permit issuance (unless exempted in a Public Facilities Fee Credit Agreement).
- PCS13. This project is subject to current Quimby Fees, at time of building permit issuance (unless exempted in a Public Facilities Fee Credit Agreement).

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**MORENO VALLEY UTILITY**

Acknowledgement of Conditions

The following items are Moreno Valley Utility's Conditions of Approval for project PEN16-0094 AND PEN16-0095; this project shall be completed at no cost to any Government Agency. All questions regarding Moreno Valley Utility's Conditions including but not limited to, intent, requests for change/modification, variance and/or request for extension of time shall be sought from Moreno Valley Utility (the Electric Utility Division) of the Finance and Management Services Department 951.413.3500, [mvuengineering@moval.org](mailto:mvuengineering@moval.org). The applicant is fully responsible for communicating with Moreno Valley Utility staff regarding their conditions.

**PRIOR TO ENERGIZING MVU ELECTRIC UTILITY SYSTEM AND CERTIFICATE OF OCCUPANCY**

- MVU-1 (R) This project requires the installation of electric distribution facilities. A non-exclusive easement shall be provided to Moreno Valley Utility and shall include the rights of ingress and egress for the purpose of operation, maintenance, facility repair, and meter reading.
- MVU-2 (BP) City of Moreno Valley Municipal Utility Service – Electrical Distribution: Prior to constructing the MVU Electric Utility System, the developer shall submit a detailed engineering plan showing design, location and schematics for the utility system to be approved by the City Engineer. In accordance with Government Code Section 66462, the Developer shall execute an agreement with the City providing for the installation, construction, improvement and dedication of the utility system following recordation of final map and concurrent with trenching operations and other subdivision improvements so long as said agreement incorporates the approved engineering plan and provides financial security to guarantee completion and dedication of the utility system.

The Developer shall coordinate and receive approval from the City Engineer to install, construct, improve, and dedicate to the City, or the City's designee, all utility infrastructure (including but not limited to conduit, equipment, vaults, ducts, wires, switches, conductors, transformers, and "bring-up" facilities including electrical capacity to serve the identified development and other adjoining/abutting/ or benefiting projects as determined by Moreno Valley Utility) – collectively referred to as "utility system" (to and through the development), along with any appurtenant real property easements, as determined by the City Engineer to be necessary for the distribution and /or delivery of any and all "utility services" to each lot and unit within the Tentative Map. For purposes of this condition, "utility services" shall mean electric, cable television, telecommunication (including video, voice, and data) and



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other similar services designated by the City Engineer. "Utility services" shall not include sewer, water, and natural gas services, which are addressed by other conditions of approval.

The City, or the City's designee, shall utilize dedicated utility facilities to ensure safe, reliable, sustainable and cost effective delivery of utility services and maintain the integrity of streets and other public infrastructure. Developer shall, at developer's sole expense, install or cause the installation of such interconnection facilities as may be necessary to connect the electrical distribution infrastructure within the project to the Moreno Valley Utility owned and controlled electric distribution system.

- MVU-3 This project is subject to a Reimbursement Agreement and is responsible for a proportionate share of costs associated with electrical distribution infrastructure previously installed that directly benefits the project. Payment shall be required prior to issuance of building permits.
- MVU-4 For all new projects, existing Moreno Valley Utility electrical infrastructure shall be preserved in place. The developer will be responsible, at developer expense, for any and all costs associated with the relocation of any of Moreno Valley Utility's underground electrical distribution facilities, as determined by Moreno Valley Utility, which may be in conflict with any developer planned construction on the project site.

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**POLICE DEPARTMENT**

- PD1. Prior to the start of any construction, temporary security fencing shall be erected. The fencing shall be a minimum of six (6) feet high with locking, gated access and shall remain through the duration of construction. Security fencing is required if there is: construction, unsecured structures, unenclosed storage of materials and/or equipment, and/or the condition of the site constitutes a public hazard as determined by the Public Works Department. If security fencing is required, it shall remain in place until the project is completed or the above conditions no longer exist. (DC 9.08.080)
- PD2. (GP) Prior to the issuance of grading permits, a temporary project identification sign shall be erected on the site in a secure and visible manner. The sign shall be conspicuously posted at the site and remain in place until occupancy of the project. The sign shall include the following:
- a. The name (if applicable) and address of the development.
  - b. The developer's name, address, and a 24-hour emergency telephone number. (MC 9.08.080)
- PD3. (CO) Prior to the issuance of a Certificate of Occupancy, an Emergency Contact information Form for the project shall be completed at the permit counter of the Community Development Department - Building Division for routing to the Police Department. (MC 9.08.080)

## RESOLUTION NO. 2017-18

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, APPROVING TENTATIVE TRACT MAP 36760 (APPLICATION PEN16-0095) TO SUBDIVIDE THE APPROXIMATELY 53 ACRES LOCATED WITHIN ASSESSOR'S PARCEL NUMBERS 485-220-023, 485-220-032, AND 485-220-040 INTO 221 SINGLE FAMILY RESIDENTIAL LOTS LOCATED SOUTHERLY OF THE SOUTHEAST CORNER OF INDIAN STREET AND GENTIAN AVENUE

WHEREAS, the applicant, Mission Pacific Land Company, filed Application No. PEN16-0095, for the approval of Tentative Tract Map 36760 (application PEN16-0095), a proposal to subdivide the approximately 53 acres located within Assessor's Parcel Numbers 485-220-023, 485-220-032, and 485-220-040 into 221 single family lots as described in the title of this Resolution; and

WHEREAS, upon completion of a thorough review of the project a public notice for a Planning Commission hearing on this project was published in the local newspaper on January 6, 2017. Public notice was sent to all property owners of record within 300 feet of the project site on January 12, 2017. The public hearing notice for this project was also posted on the project site on January 13, 2017; and

WHEREAS, the Planning Commission of the City of Moreno Valley held a public hearing on January 26, 2017 to consider the subject application and all environmental documentation prepared for the project and recommended approval of the project by the City Council; and

WHEREAS, a public notice for a hearing on this project by the City Council was published in the local newspaper on March 10, 2017. Public notice was sent to all property owners of record within 300 feet of the project site on March 9, 2017. The public hearing notice for this project was posted on the project site on March 10, 2017; and

WHEREAS, on March 21, 2017, the City Council conducted a public hearing to consider the project application and all environmental documentation prepared for the project; and

WHEREAS, all legal prerequisites to the adoption of this Resolution have occurred; and

WHEREAS, the City Council considered the Initial Study prepared for the project for the purpose of compliance with the California Environmental Quality Act (CEQA).

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Based on the Initial Study, it was determined that the project impacts are less than significant with mitigation and approval of a Mitigated Negative Declaration is recommended; and

NOW, THEREFORE, THE CITY COUNCIL OF THE CITY OF MORENO VALLEY, CALIFORNIA, DOES HEREBY RESOLVE AS FOLLOWS:

A. This City Council hereby specifically finds that all of the facts set forth above in this Resolution are true and correct.

B. Based upon substantial evidence presented to this City Council during the above-referenced meeting on March 21, 2017, including written and oral staff reports, and the record from the public hearing, this City Council hereby specifically finds as follows:

1. That the proposed map is consistent with applicable general and specific plans and the zoning ordinance;

FACT: General Plan Objective 2.2 states that it is the intent of the City to provide a wide range of residential opportunities and dwelling types to meet the demands of present and future residents of all socioeconomic groups. The proposed project has a Residential land use designation that would allow for development of single family residences consistent with this objective.

The project site is located generally at the southeast corner of Indian Street and Gentian Avenue. The majority of the site is zoned R5. The applicant is proposing to change a 15 acre portion of the site from R30 to R5. The project site is bounded by existing single-family tract homes to west and northwest in the RS-10 zone with minimum lot sizes of 4,500 square feet. The property immediately to the north is zoned R5 and has been subdivided with a recorded map, Tract Map 22180. Further to the north are existing single-family tract homes in the R5 zone. Southwest of the project site are single-family homes in the R5 zone. March Middle School and Rainbow Elementary School are located immediately to the south. Vacant and developed land (non-conforming single-family residences) in the R30 zone is located to the southeast of the project site.

The project is designed in accordance with the provisions of Chapter 9.03 Residential Districts, Section 9.16.130 Design Guidelines and Section 9.14 Land Divisions of the City's Municipal Code. The project as designed and conditioned would comply with all applicable zoning and other regulations.

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2. That the design or improvement of the proposed subdivision is consistent with applicable general and specific plans;

FACT: General Plan Objective 2.2 states that it is the intent of the City to provide a wide range of residential opportunities and dwelling types to meet the demands of present and future residents of all socioeconomic groups. The proposed project has a residential land use designation that would allow for development of single family residences consistent with this objective.

The project site is bounded by existing single-family tract homes to west and northwest in the RS-10 zone with minimum lot sizes of 4,500 square feet. The property immediately to the north is zoned R5 and has been subdivided with a recorded map, Tract Map 22180. Further to the north are existing single-family tract homes in the R5 zone. Southwest of the project site are single-family homes in the R5 zone with March Middle School and Rainbow Elementary School located immediately to the south. Vacant and developed land (non-conforming single-family residences) in the R30 zone is located to the southeast of the project site.

The property is bounded by the California Aqueduct along the eastern property line with vacant Community Commercial zoned property to the east. The site to the east was recently approved for development as a Walmart retail center. Additional existing commercial retail centers are located to the southeast at the intersection of Perris Boulevard and Iris Avenue in the Community Commercial zone. March Air Reserve Base is located approximately three-quarters of a mile to the west with the City Corporate Yard located approximately 1,400 feet to the east.

Consistent with City General Plan Policies 4.2.1 and 4.2.14 the City's Master Plan of Trails and the Master Plan of Parks, this project has been conditioned to construct and then convey to the City a segment of the Juan Bautista De Anza trail within the adjacent California Aqueduct and to construct and convey to the City a public park of approximately 2.0 acres in size with amenities that would include play equipment, a picnic shelter, a gazebo, large group barbeques, concrete picnic tables and benches, concrete waste/recycle containers; drinking fountains, walkway security lighting, decorative concrete walkways, decomposed granite walking path, and tubular steel fencing surrounding the park.

Subject to approval of a General Plan Amendment from R30 to R5, the tentative tract map is consistent with the General Plan and does not conflict with the goals, objectives, policies, and programs established within the Plan. The project as designed and conditioned will achieve the objectives of the City of Moreno Valley's General Plan.

3. That the site is physically suitable for the type of development;

FACT: The project site is located at the southeast corner of Indian Street and Gentian Avenue on the west side of the California Aqueduct. The zoning for the majority of the site is R5. The applicant proposes a General Plan Amendment and Zone Change for a 15 acre portion of the site from R30 to R5 in order to develop a 221 lot single family planned community. The project site is rectangular in shape with a triangular shaped parcel adjacent to the California Aqueduct and is comprised of flat topography. Overall, the project site is well suited for the proposed subdivision.

4. That the site of the proposed land division is physically suitable for the proposed density of the development;

FACT: The project site is rectangular in shape with a triangular shaped parcel adjacent to the California Aqueduct and is comprised of flat topography. The tentative tract map is designed in accordance with the provisions of the City's Municipal Code Section 9.14 Land Divisions. The approximately 53 acre project site is physically suitable for the proposed density of the development.

5. That the design of the subdivision or the proposed improvements are not likely to cause substantial environmental damage or substantially and avoidably injure fish or wildlife or their habitat;

FACT: There are no existing trees, streambeds, drainage features or riparian vegetation on the project site. Based upon information from the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP) Full Report and review of the MSHCP Plan, there are no identified candidate, sensitive or special status species associated with the project site. An Initial Study and Mitigated Negative Declaration have been prepared for the project concluding that with the implementation of mitigation measures, project impacts are reduced to a less than significant impact. Therefore, the tentative tract map will not cause substantial environmental damage or substantially and avoidably injure fish or wildlife or their habitat

6. That the design of the subdivision or type of improvements is not likely to cause serious public health problems;

FACT: As conditioned, the proposed parcel map would not cause serious public health problems. The Eastern Municipal Water District will provide water and sewer services to the project site. There are no known



hazardous conditions associated with the property, the design of the land division or the type of improvements.

The tentative tract map as designed and conditioned will provide protection from natural and man-made hazards to life, health, and property and is therefore consistent with General Goal 9.6.1. The project site is located approximately 2,000 feet south of the Kennedy Park Fire Station and within close proximity to emergency services which is consistent with General Plan Goal 9.6.2 which requires emergency services that are adequate to meet minor emergency and major catastrophic situations.

The tentative tract map as designed and conditioned will be consistent with General Plan Objective 6.1 and General Plan Objective 6.2 which are intended to protect residents from physical injury and property damage due to seismic groundshaking, and nuisances due to flooding.

The tentative tract map has been designed consistently with the City's Municipal Code Section 9.14 Land Divisions and meets all City requirements related to subdividing a property.

7. That the design of the subdivision or the type of improvements will not conflict with easements, acquired by the public at large, for access through or use of, property within the proposed subdivision;

FACT: The tentative tract map has been designed to accommodate and not conflict with existing easements on the subject site including utility, storm drain and California Aqueduct easements.

8. That the proposed land division and the associated design and improvements are consistent with applicable ordinances of the city.

FACT: The land division proposed by Tentative Tract Map No. 36760 is consistent with the City's Municipal Code Section 9.14 Land Divisions. The subdivision as designed and conditioned is consistent with applicable ordinances of the City.

#### A. FEES, DEDICATIONS, RESERVATIONS, AND OTHER EXACTIONS

##### 1. FEES

Impact, mitigation and other fees are due and payable under currently applicable ordinances and resolutions. These fees may include but are not limited to: Development Impact Fee, Transportation Uniform Mitigation Fee (TUMF), Multi-species Habitat Conservation Plan (MSHCP) Mitigation Fee, Stephens

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Kangaroo Habitat Conservation fee, Underground Utilities in lieu Fee, Area Drainage Plan fee, Bridge and Thoroughfare Mitigation fee (Future) and Traffic Signal Mitigation fee. The final amount of fees payable is dependent upon information provided by the applicant and will be determined at the time the fees become due and payable.

Unless otherwise provided for by this resolution, all impact fees shall be calculated and collected at the time and in the manner provided in Chapter 3.32 of the City of Moreno Valley Municipal Code or as so provided in the applicable ordinances and resolutions. The City expressly reserves the right to amend the fees and the fee calculations consistent with applicable law.

## 2. DEDICATIONS, RESERVATIONS, AND OTHER EXACTIONS

The adopted Conditions of Approval for PEN16-0095, incorporated herein by reference, may include dedications, reservations, and exactions pursuant to Government Code Section 66020 (d) (1).

## 3. CITY RIGHT TO MODIFY/ADJUST; PROTEST LIMITATIONS

The City expressly reserves the right to establish, modify or adjust any fee, dedication, reservation or other exaction to the extent permitted and as authorized by law.

Pursuant to Government Code Section 66020(d)(1), NOTICE IS FURTHER GIVEN that the 90 day period to protest the imposition of any impact fee, dedication, reservation, or other exaction described in this resolution begins on the effective date of this resolution and any such protest must be in a manner that complies with Section 66020(a) and failure to timely follow this procedure will bar any subsequent legal action to attack, review, set aside, void or annul imposition.

The right to protest the fees, dedications, reservations, or other exactions does not apply to planning, zoning, grading, or other similar application processing fees or service fees in connection with this project and it does not apply to any fees, dedication, reservations, or other exactions of which a notice has been given similar to this, nor does it revive challenges to any fees for which the Statute of Limitations has previously expired.

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BE IT FURTHER RESOLVED THAT THE CITY COUNCIL DOES HEREBY CERTIFY a Mitigated Negative Declaration for Application No. PEN16-0095 pursuant to the California Environmental Quality Act (CEQA) Guidelines and APPROVES Resolution No. 2017-18, APPROVING Tentative Tract Map 36760 (application PEN16-0095, subject to the attached Mitigation Monitoring Program included as Exhibit A and the attached conditions of approval included as Exhibit B.

APPROVED AND ADOPTED this 21<sup>st</sup> day of March, 2017.

\_\_\_\_\_  
Mayor of the City of Moreno Valley

ATTEST:

\_\_\_\_\_  
City Clerk

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney

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Attachment: Resolution No. 2017-18 [Revision 2] (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE

**RESOLUTION JURAT**

STATE OF CALIFORNIA            )  
COUNTY OF RIVERSIDE        ) ss.  
CITY OF MORENO VALLEY        )

I, Patricia Jacquez-Nares, City Clerk of the City of Moreno Valley, California, do hereby certify that Resolution No. 2017-18 was duly and regularly adopted by the City Council of the City of Moreno Valley at a regular meeting thereof held on the 21<sup>st</sup> day of March, 2017 by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

(Council Members, Mayor Pro Tem and Mayor)

\_\_\_\_\_  
CITY CLERK

(SEAL)

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## EXHIBIT A

# Legacy Park Project – Mitigation Monitoring and Reporting Program

## Conditional Use Permit PEN16-0094 / Tentative Tract Map 36760 (PEN16-0095)

### Introduction

This Mitigation Monitoring and Reporting Program has been prepared for use in implementing mitigation for the Mitigated Negative Declaration (MND) for the Legacy Park (Conditional Use Permit PEN16-0094 and Tentative Tract Map 36760). The program has been prepared in compliance with State law and the MND prepared for the project.

The California Environmental Quality Act (CEQA) requires adoption of a reporting or monitoring program for those measures places on a project to mitigated or avoid adverse effects on the environment (Public Resources Code Section 21081.6). The law states that the reporting or monitoring program shall be designed to ensure compliance during project implementation.

The monitoring program contains the following elements:

- The mitigation measures are recorded with the action and procedure necessary to ensure compliance. In some instances, one action may be used to verify implementation of several mitigation measures.
- A procedure for compliance and verification has been outlined for each action necessary. This procedure designates who will take action, what action will be taken and when, and to whom and when compliance will be reported.
- The program has been designed to be flexible. As monitoring progresses, changes to compliance procedures may be necessary based upon recommendations by those responsible for the program. As changes are made, new monitoring compliance procedures are records will be developed and incorporated into the program.

### Mitigation Monitoring and Responsibilities

As the Lead Agency, the City of Moreno Valley is responsible for ensuring full compliance with the mitigation measures adopted for the proposed project. The City will monitor and report on all mitigation activities. Mitigation measures will be implemented at different stages of development throughout the project. In this regards, the responsibilities for implementation have been assigned to the Applicant, Contractor, or a combination thereof. If during the course of project implementation, any of the mitigation measures identified herein cannot be successfully implemented, the City shall be immediately informed, and the City will then inform any

affected responsible agencies. The City, in conjunction with any affected responsible agencies, will then determine if modification to the project is required and/or whether alternative mitigation is appropriate.

**Mitigation Monitoring and Reporting Program Checklist**

**Project: Legacy Park Project (Conditional Use Permit PEN16-0094 and Tentative Tract Map 36760)**

**Applicant: Mission Pacific Land Company**

**Date: January 18, 2017**

Mitigation Measure No.	Responsible for Monitoring	Monitoring Frequency	Timing of Verification	Method of Verification	Verified Date/Initials	Sanctions for Non-Compliance
<b>Traffic/Transportation</b>						
<b>TR-1:</b> Prior to the issuance of building permits, the Project applicant shall participate in the City's DIF and County TUMF fee programs by paying the requisite fees at the time of building permit, and in addition pay the Project's fair share amount of \$12,586 for improvements at the intersections of Indian Street at Cactus Avenue as identified in Table 1-5 that are consistent with the improvements shown on Table 6-3, or as otherwise agreed to by the City and Project Applicant. Project fair share payment shall only be collected if the City creates a fee program that includes the improvements the fair share contribution is intended to construct.	City of Moreno Valley Transportation Engineering Division and Planning Division	Ongoing during construction	Prior to Building Final	Review of paid DIF invoice and receipt		Withhold Building Final
<b>TR-2:</b> Prior to the final approval of the street improvement plans, traffic signal plans will be required for a new traffic signal located at the intersection of Perris Boulevard and Santiago Drive. Prior to issuance of Certificate of Occupancy, the traffic signal and Perris Boulevard and Santiago Drive shall be completed per the	City of Moreno Valley Transportation Engineering Division, Land Development and Planning Division	Ongoing during construction	Prior to Building Final	Final Inspection of signal improvements		Withhold Building Final

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approved plans to the satisfaction of the City Engineer.						
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Mitigation Measure No.	Responsible for Monitoring	Monitoring Frequency	Timing of Verification	Method of Verification	Verified Date/Initials	Sanctions for Non-Compliance
<b>Biological Resources</b>						
<b>BR-1.</b> A qualified biologist will conduct a pre-construction presence/absence survey for burrowing owls within 14 days prior to site disturbance. If burrowing owls are detected onsite, the owls will be relocated/excluded from the site outside of the breeding season following accepted protocols, and subject to the approval of the RCA and wildlife agencies.	City of Moreno Valley Planning Division	Ongoing during grading plan check	Prior to Issuance of a grading permit	Review of and approval of pre-construction survey		Withhold Grading Permit
<b>BR-2.</b> As feasible, vegetation clearing should be conducted outside of the nesting season, which is generally identified as February 1 through September 15. If avoidance of the nesting season is not feasible, then a qualified biologist shall conduct a nesting bird survey within three days prior to any disturbance of the site, including disking, demolition activities, and grading. If active nests are identified, the biologist shall establish suitable buffers around the nests, and the buffer areas shall be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests.	City of Moreno Valley Planning Division	Ongoing during grading plan check	Prior to Issuance of a grading permit	Review of and approval of survey		Withhold Grading Permit
Mitigation Measure No.	Responsible for Monitoring	Monitoring Frequency	Timing of Verification	Method of Verification	Verified Date/Initials	Sanctions for Non-Compliance
<b>Cultural Resources</b>						
<b>CR-1:</b> Prior to the issuance of a grading permit, the Project Applicant shall provide evidence to the City of Moreno Valley that a	City of Moreno Valley Land Development	Once prior to Grading and during grading	Prior to issuance of Grading	Review of construction documents		Withhold Grading Permit or

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<p>professional archaeological monitor has been retained by the Applicant to conduct monitoring of all mass grading and trenching activities and that the monitor has the authority to temporarily halt and redirect earthmoving activities in the event that suspected archaeological resources are unearthed during Project construction. The Project archaeologist, with input from the appropriate Tribe, shall prepare a Cultural Resources Monitoring Plan (CRMP) to document protocols for inadvertent finds, to determine potential protection measures from further damage and destruction for any identified archaeological resource(s)/ tribal cultural resources (TCRs), outline the process for monitoring and for completion of the final Phase IV Monitoring Report. If any archaeological and/or TCRs are identified during monitoring, these will also be documented and addressed per standard archaeological protocols in the Phase IV report, with the exception of human remains which will be addressed per CUL-5. The Project Archaeologist shall attend the pregrading meeting with the City and contractors to explain and coordinate the requirements of the monitoring program.</p>	<p>Division and Planning Division</p>	<p>and construction operations.</p>	<p>Permit</p>	<p>and on-site inspection</p>		<p>Issuance of a Stop Work Order</p>
<p><b>CR-2:</b> At least 30 days prior to the issuance of a grading permit, the Applicant shall contact the appropriate Luiseño tribe to develop a Cultural Resources Treatment Agreement and shall provide evidence to the City of Moreno Valley that the professionally qualified Luiseño Native American monitor(s) has been secured from the interested tribe(s), and that the monitor shall be allowed to monitor all mass grading and trenching activities. The Tribal representative(s) shall attend the pre-</p>	<p>City of Moreno Valley Land Development Division and Planning Division</p>	<p>Once prior to Grading and during grading and construction operations.</p>	<p>Prior to issuance of Grading Permit</p>	<p>Review of construction documents and on-site inspection</p>		<p>Withhold Grading Permit or Issuance of a Stop Work Order</p>

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grading meeting with the City and contractors to explain and coordinate the requirements of the monitoring program.						
<p><b>CR-3:</b> If, during mass grading and trenching activities, the Archaeologist or Tribal representatives suspect that an archaeological resource and/or TCR may have been unearthed, the monitor identifying the potential resources, in consultation with the other monitor as appropriate, shall immediately halt and redirect grading operations in a 100-foot radius around the find to allow identification and evaluation of the suspected resource. The Native American monitor(s) or appropriate representative(s) and the archaeological monitor shall evaluate the suspected resource and make a determination of significance pursuant to California Public Resources Code Section 21083.2. The archaeological monitor and tribal monitor(s) or appropriate representative(s), the Project Applicant, and the City Planning Division shall confer regarding mitigation of the discovered resource(s). All sacred sites, should they be encountered within the Project area, shall be avoided and preserved as the preferred mitigation, if feasible.</p>	City of Moreno Valley Land Development Division and Planning Division	Once prior to Grading and during grading and construction operations	Prior to issuance of Grading Permit	Review of construction documents and on-site inspection		Withhold Grading Permit or Issuance of a Stop Work Order
<p><b>CR-4:</b> Prior to grading permit issuance, the City shall verify that the following note is included on the Grading Plan:</p> <p>“If any suspected archaeological resources are discovered during ground-disturbing activities and the archaeological monitor or Tribal representatives are not present, the construction supervisor is obligated to halt work in a 100-foot radius around the find and call the project archaeologist and the Tribal representatives to the site to assess</p>	City of Moreno Valley Land Development Division and Planning Division	Once prior to Grading and during grading and construction operations	Prior to issuance of Grading Permit	Review of construction documents and on-site inspection		Withhold Grading Permit or Issuance of a Stop Work Order

Attachment: Exhibit A to ATT 5 [Revision 2] (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL

<p>the significance of the find."</p> <p><b>CR-5:</b> If human remains are encountered, California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the Riverside County Coroner has made the necessary findings as to origin. Further, pursuant to California Public Resources Code Section 5097.98(b), remains shall be left in place and free from disturbance until a final decision as to the treatment and disposition has been made by the Coroner. If the Riverside County Coroner determines the remains to be Native American, the California Native American Heritage Commission must be contacted within 24 hours. The Native American Heritage Commission must then immediately notify the "most likely descendant(s)" of receiving notification of the discovery. The most likely descendant(s) shall then make recommendations within 48 hours, and engage in consultations concerning the treatment of the remains as provided in Public Resources Code §5097.98.</p>	<p>City of Moreno Valley Land Development Division and Planning Division</p>	<p>Once prior to Grading and during grading and construction operations</p>	<p>Prior to issuance of Grading Permit</p>	<p>Review of construction documents and on-site inspection</p>		<p>Withhold Grading Permit or Issuance of a Stop Work Order</p>
<p><b>CR-6:</b> Prior to construction involving excavation four feet or more below existing surface grade, the construction contractor shall provide evidence that a qualified paleontologist has been retained, and that the paleontologist(s) shall be present during all grading and other significant ground-disturbing activities that reach four feet or more below existing surface grade. In the event fossiliferous deposits are encountered, the following measures shall be implemented:</p> <ul style="list-style-type: none"> <li>Monitoring shall be conducted by qualified paleontological monitor(s) of</li> </ul>	<p>City of Moreno Valley Land Development Division and Planning Division</p>	<p>Once prior to Grading and during grading and construction operations</p>	<p>Prior to issuance of Grading Permit</p>	<p>Review of construction documents and on-site inspection</p>		<p>Withhold Grading Permit or Issuance of a Stop Work Order</p>

Attachment: Exhibit A to ATT 5 [Revision 2] (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL

<p>excavation in areas identified as likely to contain paleontological resources, including very old alluvial fan deposits. Paleontological monitors shall be equipped to salvage fossils as they are unearthed, to avoid construction delays, and to remove samples of sediments that are likely to contain the remains of small fossil invertebrates and vertebrates. Monitors shall be empowered to temporarily halt or divert equipment to allow removal of abundant or large specimens. Monitoring may be reduced if the potentially fossiliferous units are determined upon exposure and examination by qualified paleontological personnel to have low potential to contain fossil resources.</p> <ul style="list-style-type: none"> <li>• Paleontological monitoring of any earthmoving will be conducted by a monitor, under direct guidance of a qualified paleontologist. Earthmoving in areas of the parcel where previously undisturbed sediments are buried, but not otherwise disturbed, will not be monitored.</li> <li>• If too few fossil remains are found after 50 percent of the planned-for earthmoving has been completed, monitoring can be reduced or discontinued in those areas at the Project paleontologist's direction.</li> <li>• Preparation of recovered specimens to a point of identification and permanent preservation, including washing of sediments to recover small invertebrates and vertebrates.</li> </ul>						
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<ul style="list-style-type: none"> <li>• Identification and curation of specimens into a professional, fully accredited museum repository with permanent retrievable storage. The paleontologist must have a written repository agreement in hand prior to the initiation of mitigation activities.</li> <li>• Preparation or a report of findings with and appended itemized inventory of specimens. The report and inventory, when submitted to the city along with confirmation of the curation of recovered of recovered specimens into an established, accredited museum repository, will signify completion of the program to mitigate impacts to paleontological resources.</li> </ul>						
<b>Mitigation Measure No.</b>	<b>Responsible for Monitoring</b>	<b>Monitoring Frequency</b>	<b>Timing of Verification</b>	<b>Method of Verification</b>	<b>Verified Date/Initials</b>	<b>Sanctions for Non-Compliance</b>
<b>Noise</b>						
<p><b>N-1:</b> Construction activities shall be operated in a manner that limits noise impacts on surrounding uses (General Plan Policy 6.5.2). In order to limit noise impacts on surrounding property, the construction contractor will ensure the following:</p> <ul style="list-style-type: none"> <li>• All construction equipment powered by gasoline or diesel engines will be required to have sound-control devices at least as effective as those originally provided by the manufacturer; no equipment will be</li> </ul>	City of Moreno Valley Engineering and Building and Safety Planning Division	Once prior to Grading and during grading and construction operations.	Prior to issuance of Grading Permit	Review of construction documents and on-site inspection		Withhold Grading Permit or Issuance of a Stop Work Order



<p>permitted to have an unmuffled exhaust.</p> <ul style="list-style-type: none"> <li>• Mobile noise-generating equipment and machinery will be shut off when not in use;</li> <li>• Construction vehicles accessing the site will be required to use the shortest possible route to and from local freeways, provided the routes do not expose additional receptors to noise</li> </ul>						
<p><b>N-2:</b> The staging of construction equipment and the construction trailer shall be placed as far as possible from the existing single-family residences located to the west and south and the schools to the south.</p>	<p>City of Moreno Valley Engineering and Building and Safety Planning Division</p>	<p>Once prior to Grading and during grading and construction operations.</p>	<p>Prior to issuance of Grading Permit</p>	<p>Review of construction documents and on-site inspection</p>		<p>Withhold Grading Permit or Issuance of a Stop Work Order</p>

## EXHIBIT B

**CITY OF MORENO VALLEY  
 CONDITIONS OF APPROVAL  
 TENTATIVE TRACT MAP 36760 (PEN16-0095)  
 CONDITIONAL USE PERMIT PEN16-0094  
 A.P.N.: 485-220-023, 485-220-032, AND 485-220-040**

**Approval Date:**  
**Expiration Date:**

**COMMUNITY DEVELOPMENT DEPARTMENT**

**Planning Division**

For questions regarding any Planning condition of approval, please contact the Planning Division at (951) 413-3206.

- P1. Tentative Tract Map 36760 (PEN16-0095) has been approved for development of a 221 lot subdivision in the R5 zone.
- P2. Conditional Use Permit PEN16-0094 for a Planned Unit Development (Legacy Park) has been approved with Design Guidelines to establish unique development standards, architectural standards, fence and walls, and common area pathways and landscape area for Tentative Tract Map 36760 in the R5 zone. The PUD allows for minimum lot sizes of 4,000 square feet (76 lots) and 5,000 square feet (145 lots) in two distinct areas of the tract map.
- P3. Conditional Use Permit PEN16-0094 and Tentative Tract Map 36760 (PEN16-0095) are approved subject to approval of a General Plan Amendment from Residential 30 to Residential 5 and a Zone Change from R30 to R5.
- P4. Conditional Use Permit PEN16-0094 establishes the following development standards for single-family residential development in Tentative Tract Map 36760:
- Minimum Lot Size – 4,000 square feet (50' x 80')
  - Minimum Lot Size -- 5,000 square feet (50' x 100')
  - Maximum Lot Coverage – 50%
  - Maximum Height – 2-story or 35 feet
- P5. Tentative Tract Map 36760 and Conditional Use Permit PEN16-0094 are approved for the use of decorative concrete treatments within the public right-of-way at key intersections of Street L within the project.
- P6. This approval shall comply with all applicable requirements of the City of Moreno Valley Municipal Code.

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Resolution No. 2017-18  
 Date Adopted: March 21, 2017

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- P7. This tentative map shall expire three years after the approval date of this tentative map unless extended as provided by the City of Moreno Valley Municipal Code; otherwise it shall become null and void and of no effect whatsoever in the event the applicant or any successor in interest fails to properly file a final map before the date of expiration. (MC 9.02.230, 9.14.050, 080)
- P8. The site shall be developed in accordance with the approved tentative map on file in the Community Development Department -Planning Division, the Municipal Code regulations, General Plan, and the Legacy Park Design Guidelines (PEN16-0094), and the conditions of approval contained herein. (MC 9.14.020)
- P9. A drought tolerant, low water using landscape palette shall be utilized throughout the tract to the extent feasible.
- P10. All undeveloped portions of the site shall be maintained in a manner that provides for the control of weeds, erosion and dust. (MC 9.02.030)
- P11. All landscaped areas shall be maintained in a healthy and thriving condition, free from weeds, trash and debris. (MC 9.02.030)
- P12. (BP) Enhanced architectural treatments shall be included on the approved plans for all homes having side and/or reverse frontages to public streets or open space areas.
- P13. All site plans, grading plans, landscape and irrigation plans, and street improvement plans shall be coordinated for consistency with this approval.

**PRIOR TO GRADING**

- P14. (GP) Prior to issuance of grading permits, the developer shall pay the applicable Stephen's' Kangaroo Rat (SKR) Habitat Conservation Plan mitigation fee. (Ord)
- P15. (GP) Prior to the issuance of grading permits, final erosion control landscape and irrigation plans for all cut or fill slopes over 3 feet in height shall be submitted to the Planning Division for review and approval for the phase in process. The plans shall be designed in accordance with the slope erosion plan as required by the City Engineer for that phase. Man-made slopes greater than 10 feet in height shall be "land formed" to conform to the natural terrain and shall be landscaped and stabilized to minimize visual scarring. (GP Objective 1.5, MC 9.08.080, DG)
- P16. (GP) Prior to approval of precise grading plan, final front and street side yard landscape and irrigation plans shall be submitted to the Planning Division for review. The plans shall be prepared in accordance with the City's Municipal Code and landscape specifications, and include required street trees.

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- P17. (GP) If potential historic, archaeological, or paleontological resources are uncovered during excavation or construction activities at the project site, work in the affected area will cease immediately and a qualified person (meeting the Secretary of the Interior's standards (36CFR61)) shall be consulted by the applicant to evaluate the find, and as appropriate recommend alternative measures to avoid, minimize or mitigate negative effects on the historic, prehistoric, or paleontological resource. Determinations and recommendations by the consultant shall be implemented as deemed appropriate by the Community Development Director, in consultation with the State Historic Preservation Officer (SHPO) and any and all affected Native American Tribes before any further work commences in the affected area.

If human remains are discovered, work in the affected area shall cease immediately and the County Coroner shall be notified. If it is determined that the remains are potentially Native American, the California Native American Heritage Commission and any and all affected Native American Indians tribes such as the Morongo Band of Mission Indians or the Pechanga Band of Luiseno Indians shall be notified and appropriate measures provided by State law shall be implemented. (GP Objective 23.3, DG, CEQA).

- P18. (GP) Prior to issuance of grading permits, landscape plans for front yards, street trees, common areas, reverse frontage parkways and basins, common area lighting and fences and walls, shall be submitted to the Planning Division for review subject to the requirements of the Legacy Park Design Guidelines the City of Moreno Valley Municipal Code.
- P19. (GP) Prior to issuance of grading permits, plans for any security gate system shall be submitted to the Planning Division for review and approval.
- P20. (GP) Prior to the issuance of grading permits, mitigation measures contained in the Mitigation Monitoring Program approved with this project shall be implemented as provided therein. A mitigation monitoring fee, as provided by City ordinance, shall be paid by the applicant within 30 days of project or tentative map approval. No City permit or approval shall be issued until such fee is paid. (CEQA)

PRIOR TO RECORDATION OF FINAL MAP

- P22. (R) Prior to final map recordation, subdivision phasing (including any proposed common open space or improvement phasing, if applicable), shall be subject to the Planning Division approval. Any proposed phasing shall provide for adequate vehicular access to all lots in each phase as determined by the City Transportation Engineer or designee and shall substantially conform to all intent and purpose of the subdivision approval. (MC 9.14.080)
- P23. (R) Prior to final map recordation any required trail easements shall be provided.

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- P24. (R) Prior to recordation of the final subdivision map, the developer shall submit for review and approval the following documents to the Planning Division which shall demonstrate that the project will be developed and maintained in accordance with the intent and purpose of the approval:
- a. The document to convey title
  - b. Deed restrictions, easements, or Covenants, Conditions and Restrictions to be recorded

The approved documents shall be recorded at the same time that the subdivision map is recorded. The documents shall contain provisions for general maintenance and ownership of common area pathways and landscape, common area lighting, and common recreation areas. The approved documents shall also contain a provision, which provides that they may not be terminated and/or substantially amended without the consent of the City and the developer's successor-in-interest. (MC 9.14.090)

In addition, the following deed restrictions and disclosures shall be included within the document and grant deed of the properties:

- The developer and homeowners association shall promote the use of native plants and trees and drought tolerant species to the extent feasible.

**PRIOR TO BUILDING PERMIT**

- P25. (BP) Prior to issuance of building permits, the developer or developer's successor-in-interest shall pay all applicable impact fees, including but not limited to Transportation Uniform Mitigation fees (TUMF), Multi-species Habitat Conservation Plan (MSHCP) mitigation fees, and the City's adopted Development Impact Fees. (Ord)
- P26. (BP) Prior to issuance of building permits, final front and street side yard landscape and irrigation plans, private slope landscape plans, basin landscape plans, common area lighting and fence and wall plans shall be approved.

**PRIOR TO BUILDING FINAL**

- P27. (BF) Prior to the issuance of Certificates of Occupancy or building final all private and common area landscape and irrigation, common area lighting, and fence and walls shall be installed, unless a subsequent phasing plan with appropriately revised conditions of approval is approved. Landscaping on lots not yet having dwelling units shall be maintained by the developer weed and disease free. (MC 9.03.040)

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P28. (GP) If the development is proposed to be phased, a phasing plan shall be submitted to the Planning Division for review (under separate application) and shall be approved prior to issuance of precise grading permits.

**Mitigation Measures**

Traffic

TR-1: Prior to the issuance of building permits, the Project applicant shall participate in the City's DIF and County TUMF fee programs by paying the requisite fees at the time of building permit, and in addition pay the Project's fair share amount of \$12,586 for improvements at the intersections of Indian Street at Cactus Avenue as identified in Table 1-5 that are consistent with the improvements shown on Table 6-3, or as otherwise agreed to by the City and Project Applicant. Project fair share payment shall only be collected if the City creates a fee program that includes the improvements the fair share contribution is intended to construct.

TR-2: Prior to the final approval of the street improvement plans, traffic signal plans will be required for a new traffic signal located at the intersection of Perris Boulevard and Santiago Drive. Prior to issuance of Certificate of Occupancy, the traffic signal and Perris Boulevard and Santiago Drive shall be completed per the approved plans to the satisfaction of the City Engineer.

Biological Resources

BR-1. A qualified biologist will conduct a pre-construction presence/absence survey for burrowing owls within 14 days prior to site disturbance. If burrowing owls are detected onsite, the owls will be relocated/excluded from the site outside of the breeding season following accepted protocols, and subject to the approval of the RCA and wildlife agencies.

BR-2. As feasible, vegetation clearing should be conducted outside of the nesting season, which is generally identified as February 1 through September 15. If avoidance of the nesting season is not feasible, then a qualified biologist shall conduct a nesting bird survey within three days prior to any disturbance of the site, including disking, demolition activities, and grading. If active nests are identified, the biologist shall establish suitable buffers around the nests, and the buffer areas shall be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests.

Cultural Resources

CR-1: Prior to the issuance of a grading permit, the Project Applicant shall provide evidence to the City of Moreno Valley that a professional archaeological monitor has been retained by the Applicant to conduct monitoring of all mass grading and trenching



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activities and that the monitor has the authority to temporarily halt and redirect earthmoving activities in the event that suspected archaeological resources are unearthed during Project construction. The Project archaeologist, with input from the appropriate Tribe, shall prepare a Cultural Resources Monitoring Plan (CRMP) to document protocols for inadvertent finds, to determine potential protection measures from further damage and destruction for any identified archaeological resource(s)/ tribal cultural resources (TCRs), outline the process for monitoring and for completion of the final Phase IV Monitoring Report. If any archaeological and/or TCRs are identified during monitoring, these will also be documented and addressed per standard archaeological protocols in the Phase IV report, with the exception of human remains which will be addressed per CUL-5. The Project Archaeologist shall attend the pregrading meeting with the City and contractors to explain and coordinate the requirements of the monitoring program.

CR-2: At least 30 days prior to the issuance of a grading permit, the Applicant shall contact the appropriate Luiseño tribe to develop a Cultural Resources Treatment Agreement and shall provide evidence to the City of Moreno Valley that the professionally qualified Luiseño Native American monitor(s) has been secured from the interested tribe(s), and that the monitor shall be allowed to monitor all mass grading and trenching activities. The Tribal representative(s) shall attend the pre-grading meeting with the City and contractors to explain and coordinate the requirements of the monitoring program.

CR-3: If, during mass grading and trenching activities, the Archaeologist or Tribal representatives suspect that an archaeological resource and/or TCR may have been unearthed, the monitor identifying the potential resources, in consultation with the other monitor as appropriate, shall immediately halt and redirect grading operations in a 100-foot radius around the find to allow identification and evaluation of the suspected resource. The Native American monitor(s) or appropriate representative(s) and the archaeological monitor shall evaluate the suspected resource and make a determination of significance pursuant to California Public Resources Code Section 21083.2. The archaeological monitor and tribal monitor(s) or appropriate representative(s), the Project Applicant, and the City Planning Division shall confer regarding mitigation of the discovered resource(s). All sacred sites, should they be encountered within the Project area, shall be avoided and preserved as the preferred mitigation, if feasible.

CR-4: Prior to grading permit issuance, the City shall verify that the following note is included on the Grading Plan:

“If any suspected archaeological resources are discovered during ground-disturbing

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activities and the archaeological monitor or Tribal representatives are not present, the construction supervisor is obligated to halt work in a 100-foot radius around the find and call the project archaeologist and the Tribal representatives to the site to assess the significance of the find."

CR-5: If human remains are encountered, California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the Riverside County Coroner has made the necessary findings as to origin. Further, pursuant to California Public Resources Code Section 5097.98(b), remains shall be left in place and free from disturbance until a final decision as to the treatment and disposition has been made by the Coroner. If the Riverside County Coroner determines the remains to be Native American, the California Native American Heritage Commission must be contacted within 24 hours. The Native American Heritage Commission must then immediately notify the "most likely descendant(s)" of receiving notification of the discovery. The most likely descendant(s) shall then make recommendations within 48 hours, and engage in consultations concerning the treatment of the remains as provided in Public Resources Code §5097.98.

CR-6: Prior to construction involving excavation four feet or more below existing surface grade, the construction contractor shall provide evidence that a qualified paleontologist has been retained, and that the paleontologist(s) shall be present during all grading and other significant ground-disturbing activities that reach four feet or more below existing surface grade. In the event fossiliferous deposits are encountered, the following measures shall be implemented:

- Monitoring shall be conducted by qualified paleontological monitor(s) of excavation in areas identified as likely to contain paleontological resources, including very old alluvial fan deposits. Paleontological monitors shall be equipped to salvage fossils as they are unearthed, to avoid construction delays, and to remove samples of sediments that are likely to contain the remains of small fossil invertebrates and vertebrates. Monitors shall be empowered to temporarily halt or divert equipment to allow removal of abundant or large specimens. Monitoring may be reduced if the potentially fossiliferous units are determined upon exposure and examination by qualified paleontological personnel to have low potential to contain fossil resources.
- Paleontological monitoring of any earthmoving will be conducted by a monitor, under direct guidance of a qualified paleontologist. Earthmoving in areas of the parcel where previously undisturbed sediments are buried, but not otherwise disturbed, will not be monitored.

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- If too few fossil remains are found after 50 percent of the planned-for earthmoving has been completed, monitoring can be reduced or discontinued in those areas at the Project paleontologist's direction.
- Preparation of recovered specimens to a point of identification and permanent preservation, including washing of sediments to recover small invertebrates and vertebrates.
- Identification and curation of specimens into a professional, fully accredited museum repository with permanent retrievable storage. The paleontologist must have a written repository agreement in hand prior to the initiation of mitigation activities.
- Preparation of a report of findings with and appended itemized inventory of specimens. The report and inventory, when submitted to the city along with confirmation of the curation of recovered specimens into an established, accredited museum repository, will signify completion of the program to mitigate impacts to paleontological resources.

Noise

N-1: Construction activities shall be operated in a manner that limits noise impacts on surrounding uses (General Plan Policy 6.5.2). In order to limit noise impacts on surrounding property, the construction contractor will ensure the following:

- All construction equipment powered by gasoline or diesel engines will be required to have sound-control devices at least as effective as those originally provided by the manufacturer; no equipment will be permitted to have an unmuffled exhaust.
- Mobile noise-generating equipment and machinery will be shut off when not in use;

Construction vehicles accessing the site will be required to use the shortest possible route to and from local freeways, provided the routes do not expose additional receptors to noise.

N-2: The staging of construction equipment and the construction trailer shall be placed as far as possible from the existing single-family residences located to the west and south and the schools to the south.

**Building and Safety Division**

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The following are general comments generated on the information provided and do not constitute a complete list of potential items or issues for this project proposal. Fee estimates for plan review and permits can be obtained by contacting the Building and Safety Division at 951.413.3350.

- B1. All new structures shall be designed in conformance to the latest design standards adopted by the State of California in the California Building Code, (CBC) Part 2, Title 24, California Code of Regulations including requirements for allowable area, occupancy separations, fire suppression systems, etc. The current code edition is the 2016 CBC.
- B2. The proposed project may be classified as an R-3/U occupancy and shall comply with the 2016 California Residential Code (CRC).
- B3. Building plans submitted shall be signed and sealed by a California licensed design professional as required by the State Business and Professions Code.
- B4. The proposed development may be subject to the payment of required development fees as required by the City's Fee Ordinance at the time an application is submitted or prior to the issuance of permits as determined by the City.
- B5. The proposed project may be subject to approval by the Water District serving this location and all applicable fees and charges shall be paid to the District prior to permit issuance. Contact the appropriate water district for details.
- B6. Prior to final inspection, all plans shall be placed on a CD Rom for reference and verification. Plans will include "as built" plans, revisions and changes. The CD will also include Title 24 energy calculations, structural calculations and all other pertinent information. It will be the responsibility of the developer and or the building or property owner(s) to bear all costs required for this process. The CD will be presented to the Building and Safety Division for review prior to final inspection and building occupancy. The CD will become the property of the Moreno Valley Building and Safety Division. In addition, a site plan showing the path of travel from public right of way with elevations will be required.

**SCHOOL DISTRICT**

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- S1. (BP) Prior to issuance of building permits, the developer shall provide to the Community & Economic Development Director a written certification by the affected school district that either: (1) the project has complied with the fee or other exaction levied on the project by the governing board of the district, pursuant to Government Code Section 65996; or (2) the fee or other requirement does not apply to the project.

**UNITED STATES POSTAL SERVICE**

- PO1. (BP) Prior to the issuance of building permits, the developer shall contact the U.S. Postal Service to determine the appropriate type and location of mailboxes.

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**FIRE PREVENTION BUREAU**

With respect to the conditions of approval, the following fire protection measures shall be provided in accordance with Moreno Valley City Ordinances and/or recognized fire protection standards:

- F1. Prior to issuance of Certificate of Occupancy or Building Final, “Blue Reflective Markers” shall be installed to identify fire hydrant locations in accordance with City specifications. (CFC 509.1 and MVLT 440A-0 through MVLT 440C-0)
- F2. During phased construction, dead end roadways and streets which have not been completed shall have a turn-around capable of accommodating fire apparatus. (CFC 503.1 and 503.2.5)
- F3. If construction is phased, each phase shall provide an approved emergency vehicular access way for fire protection prior to any building construction. (CFC 501.4)
- F4. Prior to construction and issuance of building permits, all locations where structures are to be built shall have an approved Fire Department emergency vehicular access road (all weather surface) capable of sustaining an imposed load of 80,000 lbs. GVW, based on street standards approved by the Public Works Director and the Fire Prevention Bureau. (CFC 501.4 and MV City Standard Engineering Plan 108d)
- F5. Prior to construction and issuance of Building Permits, fire lanes and fire apparatus access roads shall have an unobstructed width of not less than twenty-four (24) feet as approved by the Fire Prevention Bureau and an unobstructed vertical clearance of not less the thirteen (13) feet six (6) inches. (CFC 503.2.1 and MVMC 8.36.060[E])
- F6. Prior to construction, all roads, driveways and private roads shall not exceed 12 percent grade. (CFC 503.2.7 and MVMC 8.36.060[G])
- F7. Prior to construction, all locations where structures are to be built shall have an approved Fire Department access based on street standards approved by the Public Works Director and the Fire Prevention Bureau. (CFC 501.4)
- F8. Prior to building construction, dead end roadways and streets which have not been completed shall have a turnaround capable of accommodating fire apparatus. (CFC 503.2.5)
- F9. The angle of approach and departure for any means of Fire Department access shall not exceed 1 ft drop in 20 ft (0.3 m drop in 6 m), and the design limitations of the fire apparatus of the Fire Department shall be subject to approval by the AHJ. (CFC 503 and MVMC 8.36.060)



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- F10. Prior to issuance of the building permit for development, independent paved access to the nearest paved road, maintained by the City shall be designed and constructed by the developer within the public right of way in accordance with City Standards. (MVMC 8.36.060, CFC 501.4)
- F11. Prior to construction, “private” driveways over 150 feet in length shall have a turn-around as determined by the Fire Prevention Bureau capable of accommodating fire apparatus. Driveway grades shall not exceed 12 percent. (CFC 503 and MVMC 8.36.060, CFC 501.4)
- F12. Prior to issuance of Certificate of Occupancy or Building Final, all residential dwellings shall display street numbers in a prominent location on the street side of the residence in such a position that the numbers are easily visible to approaching emergency vehicles. The numbers shall be located consistently on each dwelling throughout the development. The numerals shall be no less than four (4) inches in height and shall be low voltage lighted fixtures. (CFC 505.1, MVMC 8.36.060[I])
- F13. Prior to issuance of Building Permits, the applicant/developer shall participate in the Fire Impact Mitigation Program. (Fee Resolution as adopted by City Council)
- F14. Prior to issuance of Certificate of Occupancy or Building Final, the applicant/developer shall install a fire sprinkler system based on square footage and type of construction, occupancy or use. Fire sprinkler plans shall be submitted to the Fire Prevention Bureau for approval prior to installation. (CFC Chapter 9, MVMC 8.36.100[D])
- F15. Prior to issuance of Building Permits, the applicant/developer shall furnish one copy of the water system plans to the Fire Prevention Bureau for review. Plans shall:
- a) Be signed by a registered civil engineer or a certified fire protection engineer;
  - b) Contain a Fire Prevention Bureau approval signature block; and
  - c) Conform to hydrant type, location, spacing of new and existing hydrants and minimum fire flow required as determined by the Fire Prevention Bureau.

The required water system, including fire hydrants, shall be installed, made serviceable, and be accepted by the Moreno Valley Fire Department prior to beginning construction. They shall be maintained accessible.

Existing fire hydrants on public streets are allowed to be considered available. Existing fire hydrants on adjacent properties shall not be considered available

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unless fire apparatus access roads extend between properties and easements are established to prevent obstruction of such roads. (CFC 507, 501.3)

- F16. Prior to construction, all traffic calming designs/devices must be approved by the Fire Marshal and City Engineer.
- F17. Single Family Dwellings. Schedule "A" fire prevention approved standard fire hydrants (6" x 4" x 2 1/2") shall be located at each intersection of all residential streets. Hydrants shall be spaced no more than 500 feet apart in any direction so that no point on the street is more than 250 feet from a hydrant. Minimum fire flow shall be 1000 GPM for 1 hour duration of 20 PSI. Where new water mains are extended along streets where hydrants are not needed for protection of structures or similar fire problems, serving one and two-family residential developments, standard fire hydrants shall be provided at spacing not to exceed 1000 feet along the tract boundary for transportation hazards. (CFC 507.3, Appendix B, MVMC 8.36.060).

**PUBLIC WORKS DEPARTMENT**

**Land Development Division**

The following are the Public Works Department – Land Development Division Conditions of Approval for this project and shall be completed at no cost to any government agency. All questions regarding the intent of the following conditions shall be referred to the Land Development Division.

**General Conditions**

- LD1. (G) The developer shall comply with all applicable City ordinances and resolutions including the City’s Municipal Code (MC) and if subdividing land, the Government Code (GC) of the State of California, specifically Sections 66410 through 66499.58, said sections also referred to as the Subdivision Map Act (SMA). [MC 9.14.010]
- LD2. (G) The tentative map shall correctly show all existing easements, traveled ways, and drainage courses. Any omission may require the map or plans associated with this application to be resubmitted for further consideration. [MC 9.14.040(A)]
- LD3. (G) In the event right of way or offsite easements are required to construct offsite improvements necessary for the orderly development of the surrounding area to meet the public health and safety needs, the developer shall make a good faith effort to acquire the needed right of way in accordance with the Land Development Division’s administrative policy. If unsuccessful, the Developer shall enter into an agreement with the City to acquire the necessary right of way or offsite easements and complete the improvements at such time the City acquires the right of way or offsite easements which will permit the improvements to be made. The developer shall be responsible for all costs associated with the right of way or easement acquisition. [GC 66462.5]
- LD4. (G) If improvements associated with this project are not initiated within two (2) years of the date of approval of the Public Improvement Agreement (PIA), the City Engineer may require that the engineer's estimate for improvements associated with the project be modified to reflect current City construction costs in effect at the time of request for an extension of time for the PIA or issuance of a permit.
- LD5. (G) The developer shall monitor, supervise and control all construction and construction supportive activities, so as to prevent these activities from causing a public nuisance, including but not limited to, insuring strict adherence to the following:
- a. Removal of dirt, debris, or other construction material deposited on any public street no later than the end of each working day.
  - b. Observance of working hours as stipulated on permits issued by the Land Development Division.

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- c. The construction site shall accommodate the parking of all motor vehicles used by persons working at or providing deliveries to the site.
- d. All dust control measures per South Coast Air Quality Management District (SCAQMD) requirements during the grading operations.

Violation of any condition, restriction or prohibition set forth in these conditions shall subject the owner, applicant, developer or contractor(s) to remedy as noted in City Municipal Code 8.14.090. In addition, the City Engineer or Building Official may suspend all construction related activities for violation of any condition, restriction or prohibition set forth in these conditions until such time as it has been determined that all operations and activities are in conformance with these conditions.

- LD6. (G) The developer shall protect downstream properties from damage caused by alteration of drainage patterns (i.e. concentration or diversion of flow, etc.). Protection shall be provided by constructing adequate drainage facilities, including, but not limited to, modifying existing facilities or by securing a drainage easement. [MC 9.14.110]
- LD7. (G) Public drainage easements, when required, shall be a minimum of 25 feet wide and shall be shown on the map and plan, and noted as follows: *“Drainage Easement – no structures, obstructions, or encroachments by landfills are allowed.”* In addition, the grade within the easement area shall not exceed a 3:1 (H:V) slope, unless approved by the City Engineer.
- LD8. (G) For single family residential subdivisions, all lots shall drain toward the street unless otherwise approved by the City Engineer. Residential lot drainage to the street shall be by side yard swales, and must be directed to a driveway or drainage devices located outside the right of way in accordance with City Standard MVS1-154-0. No cross-lot or over the sidewalk drainage shall be allowed.
- LD9. (G) Prior to any plan approval, a final detailed drainage study (prepared by a registered/licensed civil engineer) shall be submitted for review and approved by the City Engineer. The study shall include existing and proposed hydrologic conditions as well as hydraulic calculations for all drainage control devices and storm drain lines. [MC 9.14.110(A.1)]. A digital (pdf) copy of the approved drainage study shall be submitted to the Land Development Division.
- LD10. (G) Water quality best management practices (BMPs) designed to meet Water Quality Management Plan (WQMP) requirements for single-family residential development shall not be used as a construction BMP. Water quality BMPs shall be maintained for the entire duration of the project construction and be used to treat runoff from those developed portions of the project. Water quality BMPs shall be protected from upstream construction related runoff by having proper best management practices in place and maintained. Water quality BMPs shall be graded per the approved design plans and once landscaping and irrigation has been installed, it and its maintenance shall be turned over to

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an established Homeowner's Association (HOA). The Homeowner's Association shall enter into an agreement with the City for basin maintenance.

- LD11. (G) The final approved conditions of approval (COAs) and any applicable Mitigation Measures issued by the Planning Division shall be photographically or electronically placed on Mylar sheets and included in the Grading and Street Improvement plans.
- LD12. (G) Aggregate slurry, as defined in Section 203-5 of Standard Specifications for Public Works Construction, may be required just prior to the end of the one-year warranty period of the public streets at the discretion of the City Engineer. If slurry is required, a slurry mix design shall be submitted for review and approved by the City Engineer. The latex additive shall be Ultra Pave 70 (for anionic) or Ultra Pave 65 K (for cationic) or an approved equal per the geotechnical report. The latex shall be added at the emulsion plant after weighing the asphalt and before the addition of mixing water. The latex shall be added at a rate of two to two-and-one-half (2 to 2½) parts to one-hundred (100) parts of emulsion by volume. Any existing striping shall be removed prior to slurry application and replaced per City standards.

Prior to Grading Plan Approval

- LD13. (GPA) Grading plans (prepared by a registered/licensed civil engineer) shall be submitted for review and approved by the City Engineer per the current submittal requirements.
- LD14. (GPA) Landscape & Irrigation plans (prepared by a registered/licensed landscape architect) for water quality BMPs shall be submitted for review and approved by the City Engineer per the current submittal requirements, if applicable.
- LD15. (GPA) The developer shall ensure compliance with the City Grading ordinance, these Conditions of Approval and the following criteria:
- a. The project street and lot grading shall be designed in a manner that perpetuates the existing natural drainage patterns with respect to tributary drainage area and outlet points. Unless otherwise approved by the City Engineer, lot lines shall be located at the top of slopes.
  - b. Any grading that creates cut or fill slopes adjacent to the street shall provide erosion control, sight distance control, and slope easements as approved by the City Engineer.
  - c. All improvement plans are substantially complete and appropriate clearance letters are provided to the City.
  - d. A soils/geotechnical report (addressing the soil's stability and geological conditions of the site) shall be submitted to the Land Development Division for review. A digital (pdf) copy of the soils/geotechnical report shall be submitted to the Land Development Division.

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- LD16. (GPA) The developer shall select Low Impact Development (LID) Best Management Practices (BMPs) designed per the latest version of the Water Quality Management Plan (WQMP) - a guidance document for the Santa Ana region of Riverside County.
- LD17. (GPA) For projects that will result in discharges of storm water associated with construction with a soil disturbance of one or more acres of land, the developer shall submit a Notice of Intent (NOI) and obtain a Waste Discharger's Identification number (WDID#) from the State Water Quality Control Board (SWQCB) which shall be noted on the grading plans.
- LD18. (GPA) Two (2) copies of the final project-specific Water Quality Management Plan (WQMP) shall be submitted for review and approved by the City Engineer, which:
- Addresses Site Design Best Management Practices (BMPs) such as minimizing impervious areas, maximizing permeability, minimizes directly connected impervious areas to the City's street and storm drain systems, and conserves natural areas;
  - Incorporates Source Control BMPs and provides a detailed description of their implementation;
  - Describes the long-term operation and maintenance requirements for BMPs requiring maintenance; and
  - Describes the mechanism for funding the long-term operation and maintenance of the BMPs.
- A copy of the final WQMP template can be obtained on the City's Website or by contacting the Land Development Division. A digital (pdf) copy of the approved final project-specific Water Quality Management Plan (WQMP) shall be submitted to the Land Development Division.
- LD19. (GPA) A Storm Water Pollution Prevention Plan (SWPPP) shall be prepared in conformance with the State's current Construction Activities Storm Water General Permit. A copy of the current SWPPP shall be kept at the project site and be available for review upon request.
- LD20. (GPA) The developer shall pay all remaining plan check fees.
- LD21. (GPA) Resolution of all drainage issues shall be as approved by the City Engineer.

Prior to Grading Permit

- LD22. (GP) The developer shall submit recorded slope easements from adjacent property owners in all areas where grading resulting in slopes is proposed to take place outside of the project boundaries. For all other offsite grading, written permission from adjacent property owners shall be submitted.



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- LD23. (GP) A receipt showing payment of the Area Drainage Plan (ADP) fee to Riverside County Flood Control and Water Conservation District shall be submitted. [MC 9.14.100(O)]
- LD24. (GP) Security, in the form of a cash deposit (preferable), or letter of credit shall be submitted as a guarantee of the completion of the grading operations for the project. [MC 8.21.070]
- LD25. (GP) Security, in the form of a cash deposit (preferable), or letter of credit shall be submitted as a guarantee of the implementation and maintenance of erosion control measures. At least twenty-five (25) percent of the required security shall be in the form of a cash deposit with the City. [MC 8.21.160(H)]
- LD26. (GP) The developer shall pay all applicable inspection fees.
- LD27. (GP) A digital (pdf) copy of the approved grading plans shall be submitted to the Land Development Division.

Prior to Map Approval

- LD28. (MA) Final maps (prepared by a registered civil engineer and/or licensed surveyor) shall be submitted for review and approved by the City Engineer per the current submittal requirements.
- LD29. (MA) Resolution of all drainage issues shall be as approved by the City Engineer.
- LD30. (MA) A copy of the Covenants, Conditions and Restrictions (CC&Rs) shall be submitted for review and approved by the City Engineer. The CC&Rs shall include, but not be limited to, access easements, reciprocal access, private and/or public utility easements as may be relevant to the project. In addition, for single-family residential development, bylaws and articles of incorporation shall also be included as part of the maintenance agreement for any water quality BMPs.
- LD31. (MA) All street dedications shall be free of all encumbrances, irrevocably offered to the public and shall continue in force until the City accepts or abandons such offers, unless otherwise approved by the City Engineer.
- LD32. (MA) The developer shall guarantee the completion of all related improvements required for this project by executing a Public Improvement Agreement (PIA) with the City and posting the required security. [MC 9.14.220]
- LD33. (MA) All public improvement plans required for this project shall be approved by the City Engineer in order to execute the Public Improvement Agreement (PIA).
- LD34. (MA) The developer shall enter into a Cooperative Agreement with the City and Riverside County Flood Control and Water Conservation District establishing the terms and conditions covering the inspection, operation and maintenance of Master Drainage Plan facilities required to be constructed as part of the project.

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- LD35. (MA) The developer shall comply with the requirements of the City Engineer based on recommendations of the Riverside County Flood Control District regarding the construction of County Master Plan Facilities.
- LD36. (MA) If the project involves the subdivision of land, maps may be developed in phases with the approval of the City Engineer. Financial security shall be provided for all public improvements associated with each phase of the map. The boundaries of any multiple map increment shall be subject to the approval of the City Engineer. If the project does not involve the subdivision of land and it is necessary to dedicate right of way/easements, the developer shall make the appropriate offer of dedication by separate instrument. In either case, the City Engineer may require the dedication and construction of necessary utility, street or other improvements beyond the project boundary, if the improvements are needed for circulation, parking, access, or for the welfare or safety of the public. [MC 9.14.080(B)(C), GC 66412 & 66462.5]
- LD37. (MA) All proposed street names shall be submitted for review and approved by the City Engineer, if applicable. [MC 9.14.090(E.2.k)]
- LD38. (MA) Under the current permit for storm water activities required as part of the National Pollutant Discharge Elimination System (NPDES) as mandated by the Federal Clean Water Act, this project is subject to the following requirements:
- a. Establish a Home Owners Association (HOA) to finance the maintenance of the "Water Quality BMPs". Any lots which are identified as "Water Quality BMPs" shall be owned in fee by the HOA.
  - b. Dedicate a maintenance easement to the City of Moreno Valley.
  - c. Execute a maintenance agreement between the City of Moreno Valley and the HOA, which shall be approved by City Council.
  - d. Establish a trust fund per the terms of the maintenance agreement.
  - e. Provide a certificate of insurance per the terms of the maintenance agreement.
  - f. Select one of the following options to meet the financial responsibility to provide storm water utilities services for the required continuous operation, maintenance, monitoring system evaluations and enhancements, remediation and/or replacement, all in accordance with Resolution No. 2002-46.
    - i. Participate in the mail ballot proceeding in compliance with Proposition 218, for the Residential NPDES Regulatory Rate Schedule and pay all associated costs with the ballot process, or
    - ii. Establish an endowment to cover future maintenance costs for the Residential NPDES Regulatory Rate Schedule.
  - g. Notify the Special Districts Division of the intent to record the final map 90 days prior to City Council action authorizing recordation of the final map and the financial option selected. The final option selected shall be in place prior

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to the issuance of certificate of occupancy. [California Government Code & Municipal Code]

- LD39. (MA) After recordation, a digital (pdf) copy of the recorded map shall be submitted to the Land Development Division.

Prior to Improvement Plan Approval

- LD40. (IPA) All public improvement plans (prepared by a licensed/registered civil engineer) shall be submitted for review and approved by the City Engineer per the current submittal requirements.
- LD41. (IPA) The developer shall submit clearances from all applicable agencies, and pay all applicable plan check fees.
- LD42. (IPA) The street improvement plans shall comply with current City policies, plans and applicable City standards (i.e. MVSI-160 series, etc.) throughout this project.
- LD43. (IPA) The design plan and profile shall be based upon a centerline, extending beyond the project boundaries a minimum distance of 300 feet at a grade and alignment approved by the City Engineer.
- LD44. (IPA) The plans shall indicate any restrictions on trench repair pavement cuts to reflect the City's moratorium on disturbing newly-constructed pavement less than three (3) years old and recently slurry sealed streets less than one (1) year old. Pavement cuts for trench repairs may be allowed for emergency repairs or as specifically approved by the City Engineer.
- LD45. (IPA) All dry and wet utilities shall be shown on the plans and any crossings shall be potholed to determine actual location and elevation. Any conflicts shall be identified and addressed on the plans. The pothole survey data shall be submitted to Land Development with the public improvement plans for reference purposes only. The developer is responsible to coordinate with all affected utility companies and bear all costs of any utility relocation.
- LD46. (IPA) The developer is required to bring any existing access ramps adjacent to and fronting the project to current ADA (Americans with Disabilities Act) requirements. However, when work is required in an intersection that involves or impacts existing access ramps, all access ramps in that intersection shall be retrofitted to comply with current ADA requirements, unless approved otherwise by the City Engineer.
- LD47. (IPA) Drainage facilities (i.e. catch basins, etc.) with sump conditions shall be designed to convey the tributary 100-year storm flows. Secondary emergency escape shall also be provided.
- LD48. (IPA) The hydrology study shall be designed to accept and properly convey all off-site drainage flowing onto or through the site. All storm drain design and improvements shall be submitted for review and approved of the City Engineer. In the event that the City Engineer permits the use of streets for drainage

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purposes, the provisions of current City standards shall apply. Should the quantities exceed the street capacity or the use of streets be prohibited for drainage purposes, as in the case where one travel lane in each direction shall not be used for drainage conveyance for emergency vehicle access on streets classified as minor arterials and greater, the developer shall provide adequate facilities as approved by the City Engineer. [MC 9.14.110 A.2]

Prior to Encroachment Permit

- LD49. (EP) All work performed within public right of way requires an encroachment permit. Security (in the form of a cash deposit or other approved means) may be required as determined by the City Engineer. For non-subdivision projects, the City Engineer may require the execution of a Public Improvement Agreement (PIA) as a condition of the issuance of a construction or encroachment permit. All inspection fees shall be paid prior to issuance of construction permit. [MC 9.14.100(C.4)]
- LD50. (EP) A digital (pdf) copy of all approved improvement plans shall be submitted to the Land Development Division.
- LD51. (EP) All applicable inspection fees shall be paid.

Prior to Building Permit

- LD52. (BP) For all subdivision projects, the map shall be recorded (excluding model homes). [MC 9.14.190]
- LD53. (BP) Certification to the line, grade, flow test, and system invert elevations for the water quality control BMPs shall be submitted or review and approved by the City Engineer (excluding models homes). The certification shall be prior to placement of bio-retention filter media.
- LD54. (BP) An engineered-fill certification, rough grade certification and compaction report shall be submitted for review and approved by the City Engineer. A digital (pdf) copy of the approved compaction report shall be submitted to the Land Development Division. All pads shall meet pad elevations per approved grading plans as noted by the setting of "blue-top" markers installed by a registered land surveyor or licensed civil engineer.

Prior to Occupancy

- LD55. (CO) All required as-built plans (prepared by a registered/licensed civil engineer) shall be submitted for review and approved by the City Engineer per the current submittal requirements.
- LD56. (CO) The engineered final/precise grade certification shall be submitted for review and approved by the City Engineer.
- LD57. (CO) All outstanding fees shall be paid.

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- LD58. (CO) The developer shall complete all public improvements in conformance with current City standards, except as noted in the Special Conditions, including but not limited to the following:
- a. Street improvements including, but not limited to: pavement, base, curb and/or gutter, cross gutters, spandrel, sidewalks, drive approaches, pedestrian ramps, street lights, signing, striping, under sidewalk drains, landscaping and irrigation, medians, redwood header boards, pavement tapers/transitions and traffic control devices as appropriate.
  - b. Storm drain facilities including, but not limited to: storm drain pipe, storm drain laterals, open channels, catch basins and local depressions.
  - c. City-owned utilities.
  - d. Sewer and water systems including, but not limited to: sanitary sewer, potable water and recycled water.
  - e. Under grounding of all existing and proposed utilities adjacent to and on-site. [MC 9.14.130]
  - f. Relocation of overhead electrical utility lines including, but not limited to: electrical, cable and telephone.
- LD59. (CO) For residential subdivisions, prior to releasing the last 20% or last 5 permitted structures (whichever is greater, unless otherwise determined by the City Engineer) of any Map Phase, punch list work for improvements and capping of streets in that phase shall be completed and approved for acceptance by the City Engineer.
- LD60. (CO) The Developer shall comply with the following water quality related items:
- a. Notify the Land Development Division prior to construction and installation of all structural BMPs so that an inspection can be performed.
  - b. Demonstrate that all structural BMPs described in the approved final project-specific WQMP have been constructed and installed in conformance with the approved plans and specifications;
  - c. Demonstrate that Developer is prepared to implement all non-structural BMPs described in the approved final project-specific WQMP; and
  - d. Demonstrate that an adequate number of copies of the approved final project-specific WQMP are available for future owners/occupants.
  - e. Clean and repair the water quality BMP's, including re-grading to approved civil drawings if necessary.
  - f. Provide City with updated Engineer's Line and Grade Certification.
  - g. Obtain approval and complete installation of the irrigation and landscaping.
- LD61. (CO) The applicant shall ensure the following, pursuant to Section XII. I. of the 2010 NPDES Permit:



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- a. Field verification that structural Site Design, Source Control and Treatment Control BMPs are designed, constructed and functional in accordance with the approved Final Water Quality Management Plan (WQMP).
- b. Certification of best management practices (BMPs) from a state licensed civil engineer. An original WQMP BMP Certification shall be submitted for review and approved by the City Engineer.

Special Conditions

- LD62. (GP) Prior to the payment of the Development Impact Fee (DIF), the developer may enter into a DIF Improvement Credit Agreement to secure credit for the construction of applicable improvements. The Agreement must be submitted prior to the issuance of a grading permit and must be approved by the City Council prior to receiving credit for applicable improvements. If the developer fails to complete this agreement prior to the timing specified above, no credits will be given. The developer shall pay current DIF fees adopted by the City Council. [Ord. 695 § 1.1 (part), 2005] [MC 3.38.030, 040, 050]
- LD63. (GP) Prior to the payment of the Transportation Uniform Mitigation Fee (TUMF), the developer may enter into a TUMF Improvement Credit Agreement to secure credit for the construction of applicable improvements. The Agreement must be submitted prior to the issuance of a grading permit and must be approved by the City Council prior to receiving credit for applicable improvements. If the developer fails to complete this agreement by the timing specified above, no credits will be given. The developer shall pay current TUMF fees adopted by the City Council. [Ord. 835 § 2.1, 2012] [MC 3.44.060]
- LD64. Prior to final map approval, the map shall show the following:
- a. The appropriate right-of-way dedication along Indian Street frontage shown as Lot S on the tentative tract map.
  - b. The appropriate right-of-way dedication on Santiago Drive frontage shown as Lots Q and R on the tentative tract map.
  - c. The appropriate right-of-way dedication on Gentian Street frontage shown as Lot D on the tentative parcel map.
  - d. A 10-foot landscape easement along the east side of Indian Street and south side of Gentian Avenue.
  - e. A 1.5-foot landscape easement along the north side of Santiago Drive.
  - f. A 3.5-foot wide public utility easement along the south side of Street "D" as needed.
- LD65. Prior to final map approval, the Developer shall guarantee the construction of the following improvements by entering into a public improvement agreement and posting security. The improvements along the project frontage shall be completed prior to occupancy of the first building or as otherwise determined by the City Engineer:



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- a. Indian Street, Minor Arterial, City Standard MVSI-105A-0 (88-foot RW / 64-foot CC) shall be constructed to complete the half-width along the entire project's west frontage. Remaining improvements shall consist of, but not be limited to pavement and base, sidewalk, catch basin, streetlights, pedestrian access ramps, and dry and wet utilities. In addition, the applicant will be required to install, replace and/or repair any missing, damaged or substandard improvements that do not meet current City standards.
- b. Santiago Drive (east), Collector, City Standard MVSI-106B-0 (66-foot RW / 44-foot CC) shall be constructed to half-width plus an additional 12 feet south of the centerline from Street "L" to the project easterly boundary and half-width plus an additional 18 feet south of the centerline from the project easterly boundary to Perris Boulevard. Improvements shall consist of, but not be limited to, pavement and base, curb, gutter, sidewalk, driveway approaches, catch basins, storm drain, streetlights, pedestrian access ramps, and dry and wet utilities.
- c. Santiago Drive (west), Collector, City Standard MVSI-106B-0 (66-foot RW / 44-foot CC) shall be constructed to full-width between Indian Street and Street "N". Improvements shall consist of, but not be limited to, pavement and base, curb, gutter, sidewalk, driveway approaches, catch basins, storm drain, streetlights, pedestrian access ramps, and dry and wet utilities.
- d. Gentian Street, Minor Arterial (modified), City Standard MVSI-105A-0 (88-foot RW / 64-foot CC) shall be constructed to half-width plus an additional 18 feet north of the centerline, along the entire project's north frontage. Improvements shall consist of, but not be limited to, a raised median, pavement and base, curb, gutter, sidewalk, catch basins, streetlights, pedestrian access ramps, dry and wet utilities.
- e. Street "D", Local Street (modified), City Standard MVSI-107A-0 (56-foot RW / 36-foot CC) shall be constructed to full-width as shown on the tentative map. Improvements shall consist of, but not be limited to, pavement and base, curb, gutter, sidewalk, catch basins, storm drain streetlights, pedestrian access ramps, dry and wet utilities.
- f. Street "L", Collector (modified), City Standard MVSI-106B-0 (66-foot RW / 40-foot CC) shall be constructed to full-width as shown on the tentative map. Improvements shall consist of, but not be limited to, pavement and base, curb, gutter, sidewalk, catch basins, storm drain, streetlights, pedestrian access ramps, dry and wet utilities.
- g. Streets "A", "B", "C", "E", "F", "G", "H", "I", "J", "K", "M", "N", "O", and "P", Local Street, City Standard MVSI-107A-0 (56-foot RW / 36-foot CC) shall be constructed to full-width as shown on the tentative map. Improvements shall consist of, but not be limited to, pavement and base, curb, gutter, sidewalk, catch basins, storm drain streetlights, pedestrian access ramps, dry and wet utilities.

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- h. All knuckles and cul-de-sacs shall be constructed per City Standards MVSI-162-0 and MVSI-163A-0, respectively.
  - i. Sunnymead Master Drainage Plan (MDP) Line M-2 within the public right-of-way in Santiago Drive, Perris Boulevard and Iris Avenue or an alignment as approved by both the RCFC&WCD and the City. This includes, but not limited to, construction of a 39-inch minimum storm drain, laterals, catch basins/inlets, and local depressions as needed.
  - j. The intersection of Perris Boulevard and Santiago Drive shall be fully improved to the ultimate right-of-way and street width in order to construct a traffic signal required by the Transportation Engineering Division condition TE8.
- LD66. Lettered Lots “AA” and “DD” shall be designated for water quality bio-retention purposes and shall be reserved in fee title for the owner, heirs and assigns.
- LD67. Lettered Lots “CC” and “HH” shall be designated for park purposes and reserved per the Parks and Community Services Department requirements.
- LD68. Lettered Lots “BB”, “EE”, “FF”, “GG”, “II”, “JJ”, “KK”, “LL” “MM”, and “NN”, shall be designated open space and reserved in fee title for the owner, heirs and assigns.
- LD69. Lettered Lots “BB”, “EE”, and “FF” shall show a 25-foot drainage easement for storm drain maintenance purposes.
- LD70. Prior to the final map approval, the developer shall secure the following:
- a. Additional right-of-way along the south side of Santiago Drive (east) between Street “L” and approximately 650 feet east of Street “L” for the construction of an eastbound travel lane as shown on the tentative map. The dedication shall be submitted for review, approval, and recorded.
  - b. Additional right-of-way between Indian Street and Street “N” for the full construction of Santiago Drive (west) as shown on the tentative map. The dedication shall be submitted for review, approval, and recorded.
  - c. Vacation of a portion of the south side of Santiago Drive (west), including utilities and drainage easements, as shown on the approved tentative tract map and as approved by City Engineer
- LD71. Prior to rough grading plan approval, this project shall demonstrate, via a final drainage study, that the increased runoff resulting from the development of this site is mitigated. During no storm event shall the flow leaving the site in the developed condition be larger than that of the pre-developed condition, unless the study demonstrates that the existing or proposed drainage facilities can accommodate the increased run-off. The drainage study shall analyze the following events: 1, 3, 6 and 24-hour duration events for the 2, 5, 10 and 100-year storm events. The applicant understands that additional detention measures may be required beyond those shown on the tentative map and preliminary drainage study.

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- LD72. Prior to rough grading plan approval, the Applicant shall prepare and submit for approval a final, project-specific water quality management plan (F-WQMP). The F-WQMP shall be consistent with the approved P-WQMP, as well as in full conformance with the document; “Water Quality Management Plan - A Guidance Document for the Santa Ana Region of Riverside County” dated October 22, 2012. The F-WQMP shall be submitted and approved prior to application for and issuance of grading permits. At a minimum, the F-WQMP shall include the following: stormwater BMPs; LID principles; Source control BMPs; Operation and Maintenance requirements for BMPs; and sources of funding for BMP implementation.
- a. The Applicant has proposed to incorporate the use of two (2) bio-retention basins. Final design and sizing details of all BMPs must be provided in the first submittal of the F-WQMP. The Applicant acknowledges that more area than currently shown on the plans may be required to treat site runoff as required by the WQMP guidance document.
  - b. All proposed LID BMP’s shall be designed in accordance with the RCFC&WCD’s Design Handbook for Low Impact Development Best Management Practices, dated September 2011.
  - c. The proposed LID BMP’s as identified in the project-specific P-WQMP shall be incorporated into the Final WQMP.
  - d. The NPDES notes per City Standard Drawing No. MVFE-350-0 shall be included in grading plans.
  - e. Post-construction treatment control BMPs, once placed into operation for post-construction water quality control, shall not be used to treat runoff from construction sites or unstabilized areas of the site.
- LD73. Prior to precise grading plan approval, emergency overflow area(s) shall be shown at all applicable drainage improvement locations in the event that the drainage improvement fails or exceeds full capacity. This may include, but not be limited to, an emergency spillway in the proposed detention basin(s).
- LD74. Prior to issuance of a building permit, the precise grading plans shall be approved.
- LD75. Prior to street improvement plan approval, all dry and wet utilities shall be shown on the plans and any crossings shall be potholed to determine actual location and elevation. Any conflicts shall be identified and addressed on the plans. The pothole survey data shall be submitted to Land Development with the public improvement plans for reference purposes only. The developer is responsible to coordinate with all affected utility companies and bear all costs of any utility relocation.

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- LD76. Prior to occupancy, all overhead utility lines less than 115,000 volts fronting or within the entire project site boundary shall be placed underground per Section 9.14.130C of the City Municipal Code.
- LD77. The Applicant shall, prior to building or grading permit closeout or the issuance of a certificate of occupancy, demonstrate:
- a. That all structural BMPs have been constructed and installed in conformance with the approved plans and specifications;
  - b. That all structural BMPs described in the F-WQMP have been implemented in accordance with approved plans and specifications;
  - c. That the Applicant is prepared to implement all non-structural BMPs included in the F-WQMP, conditions of approval, and building/grading permit conditions; and
  - d. That an adequate number of copies of the approved F-WQMP are available for the future owners/occupants of the project.
- LD78. Prior to occupancy, as-built street improvement plans, storm drain plans and precise grading plans shall be submitted for review and approved.

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**Special Districts Division**

Conditions are standard to all or most development projects. Some special conditions, modified conditions or clarification of conditions may be included. Please review conditions as listed and contact the Division at 951.413.3480 for any questions.

**Acknowledgement of Conditions**

The following are the Special Districts Division's Conditions of Approval for PA14-0052 and PA14-0053; this project shall be completed at no cost to any Government Agency. All questions regarding the following Conditions including but not limited to intent, requests for change/modification, variance and/or request for extension of time shall be sought from the Special Districts Division of the Public Works Department 951.413.3480 or by emailing [specialdistricts@moval.org](mailto:specialdistricts@moval.org).

**General Conditions**

- SD-1 The parcel(s) associated with this project have been incorporated into the Moreno Valley Community Services District Zone A (Parks & Community Services) and Zone C (Arterial Street Lighting). All assessable parcels therein shall be subject to annual parcel taxes for Zone A and Zone C for operations and capital improvements.
- SD-2 Plans for external parkway and median landscape areas designated in the project's Conditions of Approval for incorporation into a City coordinated landscape maintenance program, shall be prepared and submitted in accordance with the City of Moreno Valley Public Works Department Landscape Design Guidelines. The guidelines are available on the City's website at [www.moval.org/sd](http://www.moval.org/sd) or from the Special Districts Division (951.413.3480 or [specialdistricts@moval.org](mailto:specialdistricts@moval.org)).
- SD-3 In the event the City of Moreno Valley determines that funds authorized by any Proposition 218 mail ballot proceeding are insufficient to meet the costs for external parkway maintenance and utility charges, the City shall have the right, at its option, to terminate the grant of any or all parkway maintenance easements. This power of termination, should it be exercised, shall be exercised in the manner provided by law to quit claim and abandon the property so conveyed to the District, and to revert to the Developer or the Developer's successors in interest, all rights, title, and interest in said parkway areas, including but not limited to responsibility for perpetual maintenance of said areas.
- SD-4 The Developer, or the Developer's successors or assignees shall be responsible for all parkway and median landscape maintenance for a period of one (1) year commencing from the time all items of work have been completed to the satisfaction of Special Districts staff as per the City of Moreno Valley Public

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Works Department Landscape Design Guidelines, or until such time as the District accepts maintenance responsibilities.

- SD-5 Any damage to existing landscape areas maintained by the City of Moreno Valley due to project construction shall be repaired/replaced by the Developer, or Developer's successors in interest, at no cost to the City of Moreno Valley.
- SD-6 The ongoing maintenance of any internal parkway landscaping required to be installed within the tract shall be the responsibility of the Home Owner's Association.
- SD-7 Plan check fees for review of parkway/median landscape plans for improvements that shall be maintained by the City of Moreno Valley are due upon the first plan submittal. (MC 3.32.040)
- SD-8 Inspection fees for the monitoring of landscape installation associated with the City of Moreno Valley maintained parkways/medians are due prior to the required pre-construction meeting. (MC 3.32.040)
- SD-9 Street Light Authorization forms for all street lights that are conditioned to be installed as part of this project must be submitted to the Special Districts Division for approval, prior to street light installation. The Street Light Authorization form can be obtained from the utility company providing electric service to the project, either Moreno Valley Utility or Southern California Edison. For questions, contact the Special Districts Division at 951.413.3480 or specialdistricts@moval.org.
- SD-10 Parkway and median landscape areas maintained as part of the City of Moreno Valley Community Facilities District 2014-01 shall be required to have independent utility systems, including but not limited to water, electric, and telephone services. An independent irrigation controller and pedestal will also be required. Combining utility systems with existing or future landscape areas not associated with the City of Moreno Valley Community Facilities District (CFD) landscaping will not be permitted.

Prior to Grading Permit

- SD-11 This project is included within the future annexation boundaries for Community Facilities District No. 7 (CFD No. 7) – Improvement Area No. 3. If Bonds have been sold for CFD No. 7 – Improvement Area No. 3, then the Local Component portion of the Area Drainage Plan (ADP) fee for Riverside County Flood Control and Water Conservation District (RCFCWCD) has been allocated toward the debt service payments on CFD No. 7 bonds and/or paid directly for acquisition of RCFCWCD facilities.



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In order for the Developer to meet its financial obligation, it must notify the Special Districts Division when submitting the application for grading permit and select one of the funding options outlined below.

Or

If a grading permit is not required, the Developer must notify the Special Districts Division at 951.413.3480 or [specialdistricts@moval.org](mailto:specialdistricts@moval.org) when submitting the application for building permit issuance and select one of the funding options outlined below.

- a. Participate in a special election to annex into CFD No. 7 and pay the equivalent to the Local Component portion of the ADP fee including interest as a special tax levied annually on the Riverside County property tax bill; or
- b. Pay the Local Component portion of the ADP fee directly to the City of Moreno Valley, Special Districts Division which shall be used for any authorized purpose for CFD No. 7.

If the funding option selected is participation in a special election, a minimum of 90 days is needed to complete the special election process. This allows adequate time to complete the special election process in compliance with the provisions of Article 13C of the California Constitution for conducting a special election.

Annexation to CFD No. 7 shall be completed or proof of payment of the Local Component portion of the ADP fee shall be provided to the Special Districts Division prior to the issuance of the first building permit for this project.

Prior to Recordation of Final Map

SD-12(R) This project has been conditioned to provide a funding source for the continued maintenance, enhancement, and/or retrofit of parks, open spaces, linear parks, and/or trail systems. The Developer shall satisfy this condition with one of the options below.

- a. Participate in a special election for annexation into Community Facilities District No. 1 and pay all associated costs of the special election process and formation, if any; or
- b. Establish an endowment fund to cover future maintenance costs for new neighborhood parks.

The Developer must notify the Special Districts Division at 951.413.3480 or at [specialdistricts@moval.org](mailto:specialdistricts@moval.org) of its selected financial option prior to City Council

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action authorizing recordation of the final map for the development. A minimum of 90 days is needed to complete the special election process. This allows adequate time to be in compliance with the provisions of Article 13C of the California Constitution for conducting a special election.

Annexation to CFD No. 1 shall be completed or proof of payment to establish the endowment fund shall be provided prior to the issuance of the first building permit for this project.

SD-13(R) This project has been identified to be included in the formation of a Community Facilities District for Public Safety services including but not limited to Police, Fire Protection, Paramedic Services, Park Rangers, and Animal Control services. The property owner(s) shall not protest the formation; however, they retain the right to object to the rate and method of maximum special tax. In compliance with Proposition 218, the property owner shall agree to approve the mail ballot proceeding (special election) for either formation of the CFD or annexation into an existing district that may already be established. The Developer must notify the Special Districts Division at 951.413.3480 or [specialdistricts@moval.org](mailto:specialdistricts@moval.org) of its intent to record the final map for the development 90 days prior to City Council action authorizing recordation of the map. This allows adequate time to be in compliance with the provisions of Article 13C of the California Constitution. (California Government Code Section 53313 et. seq.)

SD-14(R) This project is conditioned to provide a funding source for the following special financing program(s):

- a. Street Lighting Services for capital improvements, energy charges, and maintenance.
- b. Landscape Maintenance Services for external parkway and median landscaping on Indian Street, Gentian Avenue, and Santiago Drive.

The Developer's responsibility is to provide a funding source for the capital improvements and the continued maintenance of the landscaped area. The Developer shall satisfy this condition with one of the options below.

- i. Participate in a special election (mail ballot proceeding) and pay all associated costs of the special election and formation, if any. Financing may be structured through a Community Services District zone, Community Facilities District, Landscape and Lighting Maintenance District, or other financing structure as determined by the City; or
- ii. Establish a Property Owner's Association or Home Owner's Association which will be responsible for any and all operation and maintenance costs.

The Developer must notify the Special Districts Division at 951.413.3480 or at [specialdistricts@moval.org](mailto:specialdistricts@moval.org) of its selected financial option prior to City Council

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action authorizing recordation of the final map for the development. The option for participating in a special election requires approximately 90 days to complete the special election process. This allows adequate time to be in compliance with the provisions of Article 13C of the California Constitution for conducting a special election.

The financial option selected shall be in place prior to the issuance of the first building permit for this project.

SD-15 (R) This project is conditioned to provide a funding source for the operation and maintenance of public improvements and/or services associated with new development in that territory. The Developer shall satisfy this condition with one of the options below.

- a. Participate in a special election for maintenance/services and pay all associated costs of the election process and formation, if any. Financing may be structured through a Community Facilities District, Landscape and Lighting Maintenance District, or other financing structure as determined by the City; or
- b. Establish an endowment fund to cover the future maintenance and/or service costs.

The Developer must notify the Special Districts Division at 951.413.3480 or at [specialdistricts@moval.org](mailto:specialdistricts@moval.org) of its selected financial option prior to City Council action authorizing recordation of the final map for the development. A minimum of 90 days is needed to complete the special election process. This allows adequate time to be in compliance with the provisions of Article 13C of the California Constitution for conducting a special election.

The financial option selected shall be in place prior to the issuance of the first building permit for the project.

SD-16 *Residential* (R) If Land Development, a Division of the Public Works Department, requires this project to supply a funding source necessary to provide for, but not limited to, stormwater utilities services for the required continuous operation, maintenance, monitoring, systems evaluation and enhancements of on-site facilities and performing annual inspections of the affected areas to ensure compliance with state mandated storm water regulations, a funding source needs to be established. The Developer must notify the Special Districts Division at 951.413.3480 or at [specialdistricts@moval.org](mailto:specialdistricts@moval.org) of its selected financial option for the National Pollution Discharge Elimination System (NPDES) program (see Land Development's related condition). Participating in a special election the process requires a 90 day period prior to City Council action authorizing recordation of the final map for the development and to participate in a special election process. This allows adequate time to be in compliance with the

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provisions of Article 13D of the California Constitution. California Health and Safety Code Sections 5473 through 5473.8 (Ord. 708 Section 3.1, 2006) & City of Moreno Valley Municipal Code Title 3, Section 3.50.050.)

- SD-17(R) Easements for reverse frontage parkway areas abutting Indian Street, Gentian Avenue, and Santiago Drive shall be 6 ft. or to top of parkway facing slope or to face of perimeter tract wall, whichever is greater. Easements shall be dedicated to the City of Moreno Valley for landscape maintenance purposes, and shall be depicted on the final map, and an offer of their dedication made thereon.
- SD-18(R) Prior to the recordation of the final map, the Developer shall provide all necessary documents to convey to the City the required easements for parkway and/or slope maintenance as specified on the tentative map or in these Conditions of Approval.

Prior to Building Permit Issuance

- SD-19(BP) Prior to the issuance of the first building permit for this project, the Developer shall pay Advanced Energy fees for all applicable Residential and Arterial Street Lights required for this development. Payment shall be made to the City of Moreno Valley and collected by the Land Development Division. Fees are based upon the Advanced Energy fee rate in place at the time of payment, as set forth in the current Listing of City Fees, Charges, and Rates adopted by City Council. The Developer shall provide a copy of the receipt to the Special Districts Division (*specialdistricts@moval.org*). Any change in the project which may increase the number of street lights to be installed will require payment of additional Advanced Energy fees at the then current fee. Questions may be directed to the Special Districts Division at 951.413.3480 or *specialdistricts@moval.org*.
- SD-20(BP) For those areas to be maintained by the City and prior to the issuance of the first Building Permit, Planning Division (Community Development Department), Special Districts Division (the Public Works Department) and Transportation Division (the Public Works Department) shall review and approve the final median and external parkway landscape/irrigation plans as designated on the tentative map or in these Conditions of Approval prior to the issuance of the first Building Permit.
- SD-21(BP) External parkway and median landscaping specified in the project's Conditions of Approval shall be constructed in compliance with the City of Moreno Valley Public Works Design Guidelines and completed prior to the issuance of 25% (or 55) of the dwelling permits for this tract or 12 months from the issuance of the first dwelling permit, whichever comes first. In cases where a phasing plan is submitted, the actual percentage of dwelling permits issued prior to the completion of the landscaping shall be subject to the review of the construction phasing plan.

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Prior to Certificate of Occupancy

SD-22 (CO) Landscape and irrigation plans for parkway, median, slope, and/or open space landscape areas designated to be maintained by the City shall be placed on compact disk (CD) in pdf format. The CD shall include "As Built" plans, revisions, and changes. The CD will become the property of the City of Moreno Valley and the Moreno Valley Community Services District.

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**Transportation Engineering Division**

**GENERAL CONDITIONS**

- TE1. Indian Street is classified as a Minor Arterial (88'RW/64'CC) per City Standard Plan No. MVSI-105A-0. Traffic Signal Interconnect along project frontage shall be required per City Standard Plan No. MVSI-186-0. Any improvements undertaken by this project shall be consistent with the City's standards for this facility.
- TE2. Gentian Avenue is classified as a Minor Arterial (88'RW/64'CC) per City Standard Plan No. MVSI-105A-0, modified for a raised median. Traffic Signal Interconnect along project frontage shall be required per City Standard Plan No. MVSI-186-0. Any improvements undertaken by this project shall be consistent with the City's standards for this facility.
- TE3. Santiago Drive is designated as a Collector (66'RW/44'CC) per City Standard Plan No. MVSI-106B-0. Any improvements undertaken by this project shall be consistent with the City's standards for this facility.
- TE4. Interior street (A-P, except L) is designated as a Local Street (56'RW/36'CC) per City Standard Plan No. MVSI-107A-0. Any improvements undertaken by this project shall be consistent with the City's standards for this facility.
- TE5. Sight distance at the proposed roadways and driveways shall conform to City of Moreno Valley Standard No. MVSI-164A,B,C-0 at the time of preparation of final grading, landscape, and street improvement plans.
- TE6. Conditions of approval may be modified if project is phased or altered from any approved plans.

**PRIOR TO IMPROVEMENT PLAN APPROVAL OR CONSTRUCTION PERMIT**

- TE7. Prior to the final approval of the street improvement plans, traffic signal modification plans shall be required for the existing traffic signal located at Indian Street and Santiago Drive intersection. Modifications may include, but not limited to, new signal poles, new pull boxes, new traffic detector loops or video detection system, relocation of signal controller cabinet, etc.
- TE8. Prior to the final approval of the street improvement plans, traffic signal plans will be required for a new traffic signal located at the intersection of Perris Boulevard and Santiago Drive.
- TE9. Prior to the final approval of the street improvement plans, a signing and striping plan shall be prepared per the latest edition of the California Manual on Uniform Traffic Control Devices (CAMUTCD) and City of Moreno Valley Standard Plans for Indian Street, Gentian Avenue, Santiago Drive, and all interior streets A-P.



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TE10. Prior to the final approval of the street improvement plans, the intersection of Indian Street and Gentian Avenue shall be designed to provide the following (at a minimum):

- Northbound: One left turn lane, two through lanes;
- Southbound: One left turn lane, two through lanes;
- Eastbound: One left turn lane, one shared through/right turn lane;
- Westbound: One left turn lane, one shared through/right turn lane.

TE11. Prior to issuance of a construction permit, construction traffic control plans prepared by a qualified, registered Civil or Traffic Engineer shall be required for plan approval or as required by the City Traffic Engineer.

TE12. Prior to final approval of the street improvement plans, the project plans shall demonstrate that sight distance at proposed streets and driveways conforms to City Standard Plan No. MVSI-164A-0 through MVSI-164C-0.

PRIOR TO CERTIFICATE OF OCCUPANCY OR BUILDING FINAL

TE13. (CO) Prior to issuance of Certificate of Occupancy, improvements identified in TE7, TE8, TE9, and TE10 shall be completed per the approved plans to the satisfaction of the City Engineer.

TE14. (CO) Prior to issuance of Certificate of Occupancy, all signing and striping shall be installed per current City Standards and the approved plans.

PRIOR TO ACCEPTANCE OF STREETS INTO THE CITY-MAINTAINED ROAD SYSTEM

TE15. Prior to acceptance of streets into the City-maintained road system, all approved signing and striping shall be installed per current City Standards and the approved plans.

TE16. (BP) Prior to issuance of a building permit, the project applicant shall make a fair-share contribution to the City of Moreno Valley for improvements at the following intersection:

1. Indian Street / Cactus Avenue: \$12,586

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**PARKS AND COMMUNITY SERVICES DEPARTMENT**

Acknowledgement of Conditions

The following items are Parks and Community Services Department Conditions of Approval for project PEN16-0094 AND PEN16-0095 (Tract 36760); this project shall be completed at no cost to any Government Agency. All questions regarding Parks and Community Services Department Conditions including but not limited to: intent, requests for change/modification, variance and/or request for extension of time shall be sought from the Parks and Community Services Department 951.413.3280. The applicant is fully responsible for communicating with the Parks and Community Services Department project manager regarding the conditions.

Specific Conditions of Approval

PCS1. The developer shall construct a 2.83-acre (approximate) active park, per these CONDITIONS OF APPROVAL, BONDS, and the PUBLIC FACILITIES FEE CREDIT AGREEMENT for TRACT 36760 (PA14-0052/53) and ASSOCIATED CUP/PUD, FOR DEDICATION AND CONSTRUCTION OF PUBLIC PARK. The developer shall additionally dedicate and construct a BIKEWAY LINEAR PARK WITHIN THE DWR RIGHT-OF-WAY, per these CONDITIONS OF APPROVAL and BONDS for TRACT 36760 (PA14-0052/53) and ASSOCIATED CUP/PUD.

Appropriate Quimby and Parkland Facility Fee credits will be credited to Tract 36760 for the dedication and construction of the active park.

A neighborhood park shall be located within the site per the Conditions of Approval for Tract 36760. The park shall be constructed to the latest edition of the City of Moreno Valley Parks and Community Services Department "Park Specification Guide", "GREENBOOK FOR PUBLIC WORKS CONSTRUCTION", CALIFORNIA BUILDING CODE", and "City Standard Plans". Additionally, the developer shall comply with the following:

- a. Minimum site amenities shall include: separate play equipment for ages 2 to 5 and 5 to 12 on; one (1) 30' x 50' picnic shelter and one (1) 24' hexagon gazebo; large group barbeques; concrete picnic tables, concrete benches; concrete waste/recycle containers; two (2) drinking fountains (Std. MVGF-615B-0); lighted monument signs; LED walkway security lighting; conduit and wiring for security cameras; 10' wide decorative concrete walkways; stabilized decomposed granite walking path; combination of 24" and 30" boxed trees, 5-gallon sized shrubs; 1-gallon sized ground cover; sodded turfgrass; Calsense irrigation controller; 4' tall tubular steel fencing, or a City approved equivalent, surrounding the park; anti-graffiti coating on all adjacent walls, restroom, and monument sign(s); and other amenities typical of parks. All drainage from the park shall be contained in the tract's water quality basin.

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- b. The park and bikeway/linear park design shall be fully completed and approved in conjunction with the grading plans. Construction shall commence prior to the issuance of 30% of building permits for residential units and be completed prior to the issuance of 70% of building permits for residential units.
- c. The developer shall enter into a Facilities Fee Credit Agreement to obtain credit/reimbursement of Quimby and Parkland Facilities Development Impact Fees (DIF).
- d. The park and bikeway/linear park shall be shown as lettered lots and dedicated in fee to the Moreno Valley Community Services District, on the Final Map.

PCS2. A bikeway/linear park shall be designated for Tract 36760, per the Bikeway Master Plan. The bikeway shall have an adjacent walkway for pedestrians. Access points from the tract and the adjacent commercial center to the bikeway/walkway shall be provided. Planters, automated (Calsense) irrigation, turf areas, waste containers, and three-rail PVC fencing typical of parks shall be included in the design. Additionally, the developer shall comply with the following:

PCS3. Any recreational amenities within the pocket park located on Gention Avenue and adjacent to the DWR aqueduct shall be reviewed and approved by Parks and Community Services. Dedication of such facilities to the CSD shall be at the discretion of the CSD.

**STANDARD CONDITIONS:**

PCS4. A restriction shall be placed on lots that back up to City/CSD owned or maintained parks, trails, bikeways, and landscaped areas, preventing openings or gates accessing the City/CSD owned or maintained property. This shall be documented through Covenants, Conditions, and Restrictions (CC&R's). A copy of the CC&R's with this restriction noted shall be submitted and approved by the Director of Parks and Community Services or his/her designee, prior to the recordation of the Final Map.

PSC5. Within the improvements for PCS, the applicant shall show all existing and planned easements on all maps and plans. Easements on City/CSD owned or maintained parks, trails, bikeways, and landscape shall be identified on each of these plans with the instrument number of the recorded easement.

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- PCS6. The following plans require PCS written approval: Tentative tract/parcel maps; rough grading plans (including all Delta changes); Final Map; precise grading plans; street improvement plans; traffic signal plans; fence and wall plans; landscape plans for areas adjacent to bikeways; trail improvement plans. PCS will not approve any permits without review and approval of the above items.
- PCS7. Prior to recordation of the Final Map, the applicant shall post security to guarantee construction or modification of parks, trails and/or bikeways for the City/CSD. Copies of said documentation shall be provided to PCS, prior to the approval of the Final Map.
- PCS8. Detailed final plans (mylars, PDF, and AutoCAD file on a DVD-R) for parks, trails/bikeways, fencing, and adjoining landscaped areas shall be submitted to and approved by the Director of Parks and Community Services, or his/her designee, prior to the issuance of any building permits. All plans are to include a profile showing grade changes.
- PSC9. Applicable plan check and inspection fees shall be paid, per the approved City fee schedule.
- PCS10. This project may be required to supply a funding source for the continued maintenance, enhancement, and or retrofit of neighborhood parks, open spaces, linear parks, and/or trails systems. This can be achieved through annexing into Community Facilities District No. 1 (Park Maintenance). Please contact the Special Districts Division at 951.413.3480 or [specialdistricts@moval.org](mailto:specialdistricts@moval.org) to complete the annexation process.
- PCS11. The parcel(s) associated with this project have been incorporated into the Moreno Valley Community Services District Zone A (Parks and Community Services). All assessable parcels therein shall be subject to the annual Zone 'A' charge for operations and capital improvements. Proof of such shall be supplied to Parks and Community Services upon Final Map and at Building Permits.
- PSC12. This project is subject to current Development Impact Fees, at time of building permit issuance (unless exempted in a Public Facilities Fee Credit Agreement).
- PCS13. This project is subject to current Quimby Fees, at time of building permit issuance (unless exempted in a Public Facilities Fee Credit Agreement).

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**MORENO VALLEY UTILITY**

Acknowledgement of Conditions

The following items are Moreno Valley Utility's Conditions of Approval for project PEN16-0094 AND PEN16-0095; this project shall be completed at no cost to any Government Agency. All questions regarding Moreno Valley Utility's Conditions including but not limited to, intent, requests for change/modification, variance and/or request for extension of time shall be sought from Moreno Valley Utility (the Electric Utility Division) of the Finance and Management Services Department 951.413.3500, [mvuengineering@moval.org](mailto:mvuengineering@moval.org). The applicant is fully responsible for communicating with Moreno Valley Utility staff regarding their conditions.

**PRIOR TO ENERGIZING MVU ELECTRIC UTILITY SYSTEM AND CERTIFICATE OF OCCUPANCY**

- MVU-1 (R) This project requires the installation of electric distribution facilities. A non-exclusive easement shall be provided to Moreno Valley Utility and shall include the rights of ingress and egress for the purpose of operation, maintenance, facility repair, and meter reading.
- MVU-2 (BP) City of Moreno Valley Municipal Utility Service – Electrical Distribution: Prior to constructing the MVU Electric Utility System, the developer shall submit a detailed engineering plan showing design, location and schematics for the utility system to be approved by the City Engineer. In accordance with Government Code Section 66462, the Developer shall execute an agreement with the City providing for the installation, construction, improvement and dedication of the utility system following recordation of final map and concurrent with trenching operations and other subdivision improvements so long as said agreement incorporates the approved engineering plan and provides financial security to guarantee completion and dedication of the utility system.

The Developer shall coordinate and receive approval from the City Engineer to install, construct, improve, and dedicate to the City, or the City's designee, all utility infrastructure (including but not limited to conduit, equipment, vaults, ducts, wires, switches, conductors, transformers, and "bring-up" facilities including electrical capacity to serve the identified development and other adjoining/abutting/ or benefiting projects as determined by Moreno Valley Utility) – collectively referred to as "utility system" (to and through the development), along with any appurtenant real property easements, as determined by the City Engineer to be necessary for the distribution and /or delivery of any and all "utility services" to each lot and unit within the Tentative Map. For purposes of this condition, "utility services" shall mean electric, cable television, telecommunication (including video, voice, and data) and

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other similar services designated by the City Engineer. "Utility services" shall not include sewer, water, and natural gas services, which are addressed by other conditions of approval.

The City, or the City's designee, shall utilize dedicated utility facilities to ensure safe, reliable, sustainable and cost effective delivery of utility services and maintain the integrity of streets and other public infrastructure. Developer shall, at developer's sole expense, install or cause the installation of such interconnection facilities as may be necessary to connect the electrical distribution infrastructure within the project to the Moreno Valley Utility owned and controlled electric distribution system.

- MVU-3 This project is subject to a Reimbursement Agreement and is responsible for a proportionate share of costs associated with electrical distribution infrastructure previously installed that directly benefits the project. Payment shall be required prior to issuance of building permits.
- MVU-4 For all new projects, existing Moreno Valley Utility electrical infrastructure shall be preserved in place. The developer will be responsible, at developer expense, for any and all costs associated with the relocation of any of Moreno Valley Utility's underground electrical distribution facilities, as determined by Moreno Valley Utility, which may be in conflict with any developer planned construction on the project site.



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**POLICE DEPARTMENT**

- PD1. Prior to the start of any construction, temporary security fencing shall be erected. The fencing shall be a minimum of six (6) feet high with locking, gated access and shall remain through the duration of construction. Security fencing is required if there is: construction, unsecured structures, unenclosed storage of materials and/or equipment, and/or the condition of the site constitutes a public hazard as determined by the Public Works Department. If security fencing is required, it shall remain in place until the project is completed or the above conditions no longer exist. (DC 9.08.080)
- PD2. (GP) Prior to the issuance of grading permits, a temporary project identification sign shall be erected on the site in a secure and visible manner. The sign shall be conspicuously posted at the site and remain in place until occupancy of the project. The sign shall include the following:
- a. The name (if applicable) and address of the development.
  - b. The developer's name, address, and a 24-hour emergency telephone number. (MC 9.08.080)
- PD3. (CO) Prior to the issuance of a Certificate of Occupancy, an Emergency Contact information Form for the project shall be completed at the permit counter of the Community Development Department - Building Division for routing to the Police Department. (MC 9.08.080)

# MITIGATED NEGATIVE DECLARATION

Attachment: Mitigated Negative Declaration (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF

<p><b>PROJECT TITLE AND FILE NUMBERS:</b>          PEN16-0092 (PA16-0018) – General Plan Amendment          PEN16-0093 (PA16-0019) – Zone Change          PEN16-0094 (PA14-0052) – Conditional Use Permit          PEN16-0095 (PA14-0053) – Tentative Tract Map 36760</p>
<p><b>PROJECT APPLICANT:</b> Mission Pacific Land Company  <b>TELEPHONE NUMBER:</b> (949) 333-6752</p>
<p><b>PROJECT LOCATION:</b> Southeast corner of Indian Street and Gentian Avenue, Moreno Valley, Riverside County, CA</p>
<p><b>PROJECT DESCRIPTION:</b> The project proposes a General Plan Amendment from Residential 30 to Residential 5 and a Zone Change from R30 to R5 for a 15.06 acre portion of a 53 acre site. This project includes Tentative Tract Map 36760 to subdivide the 53 acre site into a total of 221 single family residential lots and a Conditional Use Permit for a Planned Unit Development (PUD). The PUD application will establish minimum lot sizes of 4,000 and 5,000 square feet and establish unique lot widths and setback standards along with architectural guidelines.</p>

### FINDING

The City of Moreno Valley has reviewed the above project in accordance with the City of Moreno Valley's Guidelines for the Implementation of the California Environmental Quality Act, and has determined that an Environmental Impact Report need not be prepared because:

- The proposed project will not have a significant effect on the environment.
- Although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because mitigation measures described in the attached Initial Study and hereby made a part of this Mitigated Negative Declaration have been added to the project. The Final Conditions of Approval contain the final form and content of all mitigation measures.

This determination is based upon an Initial Study. The project file, including the Initial Study and related documents is available for review during normal business hours (7:30 a.m. to 5:30 p.m. Monday through Thursday, and 7:30 a.m. to 4:30 p.m. on Friday) at the City of Moreno Valley, Community Development Department, Planning Division, 14177 Frederick Street, Moreno Valley, California 92553, Telephone (951) 413 3206.

PREPARED BY: Jeff Bradshaw	DATE: December 19, 2017
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### NOTICE

The public is invited to comment on the Mitigated Negative Declaration. The appropriateness and adoption of the Mitigated Negative Declaration is considered at the time of project approval in light of comments received.

DATE ADOPTED: _____ BY: _____
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**INITIAL STUDY/  
ENVIRONMENTAL CHECKLIST FORM  
CITY OF MORENO VALLEY**

1. Project Title: Legacy Park Project  
  
PEN16-0092 (PA16-0018) – General Plan Amendment  
PEN16-0093 (PA16-0019) – Zone Change  
PEN16-0094 (PA14-0052) – Conditional Use Permit  
PEN16-0095 (PA14-0053) – Tentative Tract Map 36760  
PEN16-0096 (P16-030) – Expanded Initial Study
2. Lead Agency Name and Address: City of Moreno Valley  
14177 Frederick Street  
Moreno Valley, CA 92553
3. Contact Person and Phone Number: Jeff Bradshaw, Associate Planner  
(951) 413-3224
4. Project Location: Southeast corner of Gentian Avenue and Indian Street
5. Project Sponsor's Name and Address: Mission Pacific Land Company  
4100 Newport Beach Place, Ste. #480  
Newport Beach, CA 92660
6. Existing General Plan Designation: Residential 5 (37.18 acres) and Residential 30 (15.06 acres)
7. Proposed General Plan Designation: Residential 5 (52.24 acres)
8. Existing Zoning: R5 (37.18 acres) and R30 (15.06 acres)
9. Proposed Zoning: R5 (52.24 acres)
10. Description of the Project:

The project proposes to develop the Legacy Park planned community on an approximately 53 acre site. Applications include a General Plan Amendment from Residential 30 to Residential 5 and a Zone Change from R30 to R5 for a 15.06 acre portion of a 53 acre site. This project includes an application for Tentative Tract Map 36760 to subdivide the 53 acre site into a total of 221 single family residential lots and a Conditional Use Permit for a Planned Unit Development (PUD). The PUD application will establish minimum lot sizes of 4,000 and 5,000 square feet and establish unique development standards for future

single family residential construction within the community. The proposed 221 lots does not exceed the allowable density for the R5 zone. Common amenities include passive open space, trail segments, decorative treatment in Street L at major intersections, and a median in Street L at Gentian.

Off-site improvements that the project will be responsible for completing include:

- Master Plan Storm Drain system Line M2 and associated utility relocation. Approximately 3,000 feet of off-site improvements in Santiago Drive, Perris Boulevard, and Iris Avenue;
- Master Plan Storm Drain system Line D1. Approximately 300 feet of off-site improvements in Indian Avenue;
- Park improvements on a 0.85 acre parcel within Lot A TPM 36606 (open space area on adjacent Walmart center site);
- Trail and passive park improvements within the adjacent California Aqueduct easement which is under the authority of the Department of Water Resources (DWR). This will satisfy General Plan requirements under the City's Master Plan of Trails for development of the City's portion of the Juan Bautista De Anza trail system;
- A new traffic signal at the intersection of Perris Boulevard and Santiago Drive;
- Street Improvements outside the map boundary on fronting streets:
  - o Gentian Ave. – Raised median;
  - o Indian Ave. – Street widening, curb/gutter, and parkway improvements; and
  - o Santiago Drive - Street widening, curb/gutter, and parkway improvements.

This project is also conditioned to construct and then convey to the City a public park of approximately two acres in size with amenities that would include play equipment, a picnic shelter, a gazebo, large group barbeques, concrete picnic tables and benches, concrete waste/recycle containers; drinking fountains, walkway security lighting, decorative concrete walkways, decomposed granite walking path; and tubular steel fencing surrounding the park.

#### 11. Surrounding Land Uses and Setting:

The project site is bounded by existing single-family tract homes to the west and northwest in the RS-10 zone with minimum lot sizes of 4,500 square feet. The property immediately to the north is zoned R5 and has been subdivided with a recorded map, Tract Map 22180. Further to the north are existing single-family tract homes in the R5 zone. Southwest of the project site are single-family homes in the R5 zone with March Middle School and Rainbow Elementary School located immediately to the south. Vacant and developed land (non-conforming single-family residences) in the R30 zone is located to the southeast of the project site.

The California Aqueduct bounds the property along its eastern property line with vacant Community Commercial zoned property to the east. The site to the east was recently approved for development as a Walmart retail center. Additional commercial existing retail centers are located to the southeast at the intersection of Perris Boulevard and Iris Avenue.

March Air Reserve Base is located approximately three-quarters of a mile to the west. The City Corporate Yard is located approximately 1,400 feet to the east.

Overall, the proposed residential development is compatible with the City's General Plan and existing land uses.

12. Have California Native American tribes traditionally and culturally affiliated with the project area requested consultation pursuant to Public Resources Code section 21080.3.1? If so, has consultation begun?

The City received requests for consultation from the following Native American tribes and consultation has begun:

- Agua Caliente Band of Cahuilla Indians;
- Pechanga Band of Luiseno Indians; and
- Soboba Band of Luiseno Indians.

13. Other public agencies whose approval is required:

Riverside County Flood Control and Water Conservation District will require an encroachment permit for connecting to existing storm drain infrastructure located in Perris Boulevard and the State of California Department of Water Resources will require an encroachment permit for work alongside and within the easement for the California Aqueduct.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below( ■ ) would be potentially affected by this project, involving at least one impact that is a “Potentially Significant Impact” as indicated by the checklist on the following pages.

	Aesthetics		Greenhouse Gas Emissions		Population/Housing
	Agricultural Resources		Hazards & Hazardous Materials		Public Services
	Air Quality		Hydrology/Water Quality		Recreation
	Biological Resources		Land Use/Planning		Transportation/Traffic
	Cultural Resources		Mineral Resources		Utilities/Service Systems
	Geology/Soils		Noise		Mandatory Findings of Significance
	Tribal Cultural Resources				

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation:

I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.	
I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.	■
I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.	
I find that the proposed project MAY have a “potential significant impact” or “potentially significant unless mitigated” impact on the environment, but at least one effect (1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.	
I find that although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.	

December 19, 2016

Signature

Date

Jeff Bradshaw, Associate Planner

Printed Name

For

Attachment: Initial Study Checklist (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



## EVALUATION OF ENVIRONMENTAL IMPACTS

- 1) A brief explanation is required for all answers except “No Impact” answers that are adequately supported by the information sources a lead agency cites in the parentheses following each question. A “No Impact” answer is adequately supported if the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g. the project falls outside a fault rupture zone). A “No Impact” answer should be explained where it is based on project-specific factors as well as general standards (e.g. the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- 2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less than significant with mitigation, or less than significant. “Potentially Significant Impact” is appropriate if there is substantial evidence that an effect may be significant. If there are one or more “Potentially Significant Impact” entries when the determination is made, an EIR is required.
- 4) “Negative Declaration: Potentially Significant Unless Mitigation Incorporated” applies where the incorporation of mitigation measures has reduced an effect from “Potentially Significant Impact” to a “Less Significant Impact.” The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less than significant level (mitigation measures from “Earlier Analysis,” as described in (5) below, may be cross-referenced).
- 5) Earlier analysis may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or negative declaration. Section 15063 (c) (3) (d). In this case, a brief discussion should identify the following:
  - (a) Earlier Analysis Used. Identify and state where they are available for review.
  - (b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
  - (c) Mitigation Measures. For effects that are “Less than Significant with Mitigation Measures Incorporated,” describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g. general plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project’s environmental effects in whatever format is selected.
- 9) The analysis of each issue should identify: (a) the significance criteria or threshold used to evaluate each question; and (b) the mitigation measure identified, if any, to reduce the impact to less than significance.

<b>Issues and Supporting Information</b>	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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**I. AESTHETICS.** Would the project:

a) Have a substantial adverse effect on a scenic vista?

The Moreno Valley General Plan identifies scenic highways, panoramic viewsheds, and photographic viewing locations within the aesthetic resource element. The General Plan identifies no scenic roadways or panoramic viewsheds in the project vicinity. The project site is comprised of level topography with no rock outcroppings. As designed and conditioned, the proposed project will have no effect on a scenic vista.

b) Substantially damage scenic resources, including, but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?

The project property topography is flat. Based upon site visits by staff and review of the General Plan, the subject site does not include scenic resources. There are no rock outcroppings, trees or historic buildings on site. There are no scenic highways in the area. The site has been previously disturbed through weed abatement. As designed and conditioned, the proposed project will not substantially damage scenic resources.

c) Substantially degrade the existing visual character or quality of the site and its surroundings?

The Legacy Park project proposes to subdivide the 53 acre site for development of a 221 lot planned community within the R5 zoning district. Development of the site will require installation of public street improvements along Gentian Avenue, Indian Street and Santiago Drive frontages, the installation of a new segment of raised landscaped median and the undergrounding of overhead utility lines. The Legacy Park Design Guidelines and the Municipal Code provide a framework that ensures that any new development would be designed and constructed in a manner that is compatible with surrounding land uses. The Planned Unit Development and related Design Guidelines provide a framework for coordinating architectural style, design, materials, colors, perimeter walls, pedestrian access and circulation for the development. The proposed project as designed is aesthetically compatible with adjacent residential uses. The Planned Unit Development and related Design Guidelines provide a framework for coordinating architectural style, design, materials, colors, perimeter walls, pedestrian access and circulation for the development. As designed and conditioned, the proposed project would not significantly degrade the existing visual character or quality of the site and surroundings.

d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?

The project would introduce some additional new light sources into the area as the project site is currently vacant. The proposed residential development would include required street lighting and exterior wall mounted lights on the residences. The project has been conditioned for compliance with the City's light standards as referenced in Municipal Code Section 9.08.100 including the shielding of lighting and restrictions on the intensity of exterior lighting which will reduce light and glare impacts to City accepted levels on surrounding properties. Therefore, potential impacts related to substantial light or glare are less than significant and no mitigation would be required.

**II. AGRICULTURE & FORESTRY RESOURCES:** In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Would the project?

a) Convert Prime Farmland, Unique Farmland or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency to non-agricultural use?

The site is designated as 'Farmland of Local Importance' on the 2015 State Important Farmland Map. This category is described as soils that would be classified as Prime and Statewide but lack available irrigation water. The site is bounded on the north and west by existing residential development with an approved retail center to the east and a middle school and elementary school and single-family residences to the south. There are currently no agriculturally productive activities occurring within the project boundaries. There will be no impact to farmlands as the development of this project will not result in the conversion of Prime Farmland, Unique Farmland or Farmland of Statewide Importance.

b) Conflict with existing zoning for agricultural use, or a Williamson Act contract?

The site is not currently in agricultural use, or under Williamson Act control. There is no existing surrounding agricultural use, or sites under Williamson Act contract within the City limits. The Municipal Code allows for agricultural uses such as crops in all zoning districts, therefore, the proposed project does not conflict with existing zoning for agricultural use, or impact sites under Williamson Act contract.

c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 12220(g)), timberland (as defined by Public

Attachment: Initial Study Checklist (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?				
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The project site is not zoned or designated on the City’s General Plan for forest land, timberland, or timberland zoned Timberland Production. The City does not have any forest lands, or timberland as defined in the State Public Resources Code and Government Code within the City limits. Therefore, since the project will not result in impacts to forest land, timberland, or timberland zoned timberland production, no impacts would occur and no mitigation measures would be required.

d) Result in the loss of forest land or conversion of forest land to non-forest use?				■
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The project site is not forest land as defined by Public Resources Code section 1220(g). The project site does not involve the loss of forest land or the conversion of forest land to non-forest use. Therefore, since the project will not result in the loss of forest land or the conversion of forest land to non-forest use, no impacts would occur and no mitigation measures would be required.

e) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland, to non-agricultural use or conversion of forest land to non-forest use?				■
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There is no immediate surrounding or proposed agricultural use. The proposed project will not involve changes to the existing environment, which will result in the conversion of farmland to non-agricultural use, or conversion of forest land to non-forest land.

**III. AIR QUALITY:** Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:

a) Conflict with or obstruct implementation of the applicable air quality plan?			■	
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b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation.			■	
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(a and b) The Air Quality Management Plan (AQMP) adopted by the South Coast Air Quality Management District (SCAQMD) in 2012 sets forth a comprehensive program that will lead the air basin into compliance with all federal and state air quality standards. The proposed project is located within the boundaries of the AQMP. The AQMP control measures and related emission reduction estimates are based upon emissions projections for a future development scenario derived from General Plan land use, population, and employment characteristics defined in consultation with local governments. Moreno Valley’s General Plan Land Use Element was considered in the preparation of the 2012 AQMP. Accordingly, conformance with the AQMP for development projects is determined by demonstrating compliance with local land use plans and/or population projections.

Based upon the conclusions of the Air Quality study prepared for this project by Urban Crossroads on November 3, 2016, the Project would not result in or cause federal and/or state ambient air quality standards (NAAQS or CAAQS) violations. The Project proposed General Plan Amendment and Zone Change from R30 to R5 would not increase the density allowed in the General Plan and therefore not result in a land use that is more intense than that anticipated by the General Plan. Furthermore, the Project would not exceed any applicable regional or local thresholds. As such, the Project is therefore considered to be consistent with the AQMP.

Construction-Source Emissions

For regional emissions, the Project would not exceed the numerical thresholds of significance established by the SCAQMD for any criteria pollutant. It should be noted that impacts without mitigation take credit for reductions achieved through standard regulatory requirements (Rule 403 and Rule 1113). Thus a less than significant impact would occur for Project-related construction-source emissions and no mitigation measures are required. For localized emissions, the Project would not exceed the SCAQMD’s localized significance threshold. Therefore, a less than significant impact would occur and no mitigation is required. Project construction-source emissions would not conflict with the applicable AQMP.

Operation-Source Emissions

For regional emissions, the Project would not exceed the numerical thresholds of significance established by the SCAQMD. Thus a less than significant impact would occur for Project-related operational-source emissions and no mitigation is required. Project operational-source emissions would not result in or cause a significant localized air quality impact as discussed in the operational LSTs section of this report. The proposed Project would not result in a significant CO “hotspot” as a result of Project related traffic during ongoing operations, nor would the Project result in a significant adverse health impact as discussed in Section 3.8, thus a less than significant impact to sensitive receptors during operational activity is expected.

c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?			■	
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Attachment: Initial Study Checklist (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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CEQA Section 21100 (e) addresses evaluation of cumulative effects allowing the use of approved land use documents in a cumulative impact analysis. CEQA Guidelines Section 15064 (i)(3) further stipulates that for an impact involving a resource that is addressed by an approved plan or mitigation program, the lead agency may determine that a project’s incremental contribution is not cumulatively considerable if the project complies with the adopted plan or program. In addressing cumulative effects for air quality, the AQMP is the most appropriate document to use because the AQMP sets forth a comprehensive program that will lead the air basin, including the project area, into compliance with all federal and state air quality standards and utilizes control measures and related emission reduction estimates based upon emissions projections for a future development scenario derived from land use, population, and employment characteristics defined in consultation with local governments.

The Air Quality Management Plan (AQMP) sets forth a comprehensive program that will lead the air basin into compliance with all federal and state air quality standards. The AQMP control measures and related emission reduction estimates are based upon emissions projections for a future development scenario derived from General Plan land use, population, and employment characteristics defined in consultation with local governments. Accordingly, conformance with the AQMP for development projects is determined by demonstrating compliance with local land use plans and/or population projections. The AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant.”

The SCAQMD has recognized that there is typically insufficient information to quantitatively evaluate the cumulative contributions of multiple projects because each project applicant has no control over nearby projects. Nevertheless, the potential cumulative impacts from the Project and other projects are discussed below.

A cumulative project list was developed for this analysis and is shown in Table 3-11 of the Air Quality study. The Project area is designated as an extreme non-attainment area for ozone, and a nonattainment area for PM10, PM2.5, and lead. Related projects could contribute to an existing or projected air quality exceedance because the Basin is currently nonattainment for ozone, PM10, and PM2.5. With regard to determining the significance of the contribution from the Project, the SCAQMD recommends that any given project’s potential contribution to cumulative impacts should be assessed using the same significance criteria as for project-specific impacts. Therefore, this analysis assumes that individual projects that do not generate operational or construction emissions that exceed the SCAQMD’s recommended daily thresholds for project-specific impacts would also not cause a commutatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact.

As previously noted, the Project would not result in any construction-source or operational-source emissions exceedances. Therefore the Project would result in a less than significant impact on a project-specific and cumulative basis.

d) Expose sensitive receptors to substantial pollutant concentrations?			■	
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<b>Issues and Supporting Information</b>	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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The nearest sensitive receptors include March Middle School located immediately to the south and Rainbow Elementary School located 700 feet further to the south on Indian Street and existing single-family homes to the north, west and south.

Construction-Source Emissions LST Analysis

Table 3-7 identifies the localized impacts at the nearest receptor location in the vicinity of the Project. As shown below, emissions during construction activity would not exceed the SCAQMD’s localized significance thresholds for any criteria pollutant and a less than significant impact would occur.

Localized Significance – Long-Term Operational Activity

The proposed project involves the construction and operation of 221 single family residential dwelling units. According to SCAQMD LST methodology, LSTs would apply to the operational phase of a proposed project, if the project includes stationary sources, or attracts mobile sources that may spend long periods queuing and idling at the site (e.g., transfer facilities and warehouse buildings). The proposed project does not include such uses, and thus, due to the lack of significant stationary source emissions, no long-term localized significance threshold analysis is needed.

CO “Hot Spot” Analysis

The proposed Project considered herein would not produce the volume of traffic required to generate a CO “hot spot” either in the context of the 2003 Los Angeles hot spot study, or based on representative BAAQMD CO threshold considerations, as shown on Table 3-10. Therefore, CO “hot spots” are not an environmental impact of concern for the proposed Project. Localized air quality impacts related to mobile-source emissions would therefore be less than significant.

Based upon the conclusions of the project Air Quality study, the project will not expose sensitive receptors to substantial pollutant concentrations.

e) Create objectionable odors affecting a substantial number of people?			■	
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The Project does not contain land uses typically associated with emitting objectionable odors. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the proposed Project’s (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the City’s solid waste regulations. The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors associated with the proposed Project construction and operations would be less than significant and no mitigation is required.

**IV. BIOLOGICAL RESOURCES.** Would the project:

a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U. S. Fish and Wildlife Service?			■	
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b) Have a substantially adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U. S. Wildlife Service?			■	
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(a and b) The project site is bounded on the north, west and south by existing single-family residential development with vacant commercial land to the east which includes a recently approved retail center. Also, the March Middle School and Rainbow Elementary School are located to the south. The site is comprised of level topography and has been disturbed routinely through weed abatement of the site.

A Biological Technical report was prepared for the project by Glenn Lukos Associate, Inc. on September 18 2014. This report identifies and evaluates impacts to biological resources associated with the proposed Project in the context of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP), the California Environmental Quality Act (CEQA), and State and Federal regulations such as the Endangered Species Act (ESA), Clean Water Act (CWA), and the California Fish and Game Code.

Attachment: Initial Study Checklist (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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The Project site is located within the Reche Canyon/Badlands Area Plan of the MSHCP, but is not located within the MSHCP Criteria Area. The Project site is located within the burrowing owl survey area, but is not located within the NEPSSA, CAPSSA, amphibian, or mammal survey areas. Focused burrowing owl surveys were conducted for the Project site; however, no burrowing owls or burrows with owl sign were detected onsite. In compliance with the MSHCP, pre-construction burrowing owl surveys are required prior to site disturbance.

The Project site will not impact special-status plants, but will result in the loss of actual or potential habitat for special-status animals, including potential habitat for Stephens' kangaroo rat (*Dipodomys stephensi*) [SKR]. Impacts to SKR are covered under the SKR Habitat Conservation Plan (HCP) with payment of the SKR mitigation fee. The loss of potential habitat for other special-status animals would be less than significant due to the low degree of sensitivity of the species, the disturbed nature of the site, and the lack of adjacency to native open space. The Project site does not contain jurisdictional waters, MSHCP riparian/riverine areas, or MSHCP vernal pools.

The following discussion provides project-specific mitigation/avoidance measures for actual or potential impacts to special-status resources.

Burrowing Owl

The Project site contains suitable habitat for burrowing owls; however, burrowing owls were not detected onsite during focused surveys. MSHCP Objective 6 for burrowing owls requires that pre-construction surveys prior to site grading. As such, the following measure is recommended to avoid direct impacts to burrowing owls and to ensure consistency with the MSHCP:

BR1. A qualified biologist will conduct a pre-construction presence/absence survey for burrowing owls within 14 days prior to site disturbance. If burrowing owls are detected onsite, the owls will be relocated/excluded from the site outside of the breeding season following accepted protocols, and subject to the approval of the RCA and wildlife agencies.

Nesting Birds

The Project site contains vegetation with the potential to support nesting birds. As discussed above, the MBTA and California Fish and Game Code prohibit impacts to nesting birds. The following measure is recommended to avoid impacts to nesting birds:

BR2. As feasible, vegetation clearing should be conducted outside of the nesting season, which is generally identified as February 1 through September 15. If avoidance of the nesting season is not feasible, then a qualified biologist shall conduct a nesting bird survey within three days prior to any disturbance of the site, including disking, demolition activities, and grading. If active nests are identified, the biologist shall establish suitable buffers around the nests, and the buffer areas shall be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests.

Therefore, the project as conditioned and subject to the biological resource mitigation measures listed above, will not have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U. S. Fish and Wildlife Service. The project will not have a substantially adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or U. S. Wildlife Service.

c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?				■
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The project site comprised of flat topography. There are no existing trees or vegetation on the project site. The project site is bounded on the north, west and south by existing single-family residential development with vacant commercial land to the east which includes a recently approved retail center. Also to the south are March Middle School and Rainbow Elementary School. Based upon the results of the Biological Technical report prepared for the project, the project site does not contain jurisdictional waters, MSHCP riparian/riverine areas, or MSHCP vernal pools. Therefore, no impacts would occur to federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.). through direct removal, filling, hydrological interruption, or other means, and no mitigation measures would be required.

d) Interfere substantially with the movement of any resident or migratory fish or wildlife species or with established native resident migratory wildlife corridors, or impede the use of native wildlife nursery sites?				■
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Attachment: Initial Study Checklist (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



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The project site comprised of flat topography. There are no existing trees or vegetation on the project site. The project site is bounded on the north, west and south by existing single-family residential development with vacant commercial land to the east which includes a recently approved retail center. Also, the March Middle School and Rainbow Elementary School are located to the south. Based upon the conclusions of the Biological Technical report prepared for this project, there is no evidence of resident or migratory fish or wildlife species was noted on the project site or the adjacent vacant parcel. Therefore, the project will not interfere substantially with the movement of any resident or migratory fish or wildlife species or with established native resident migratory wildlife corridors, or impede the use of native wildlife nursery sites.

e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				■
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The project site comprised of flat topography. There are no existing trees or vegetation on the project site. The project site is bounded on the north, west and south by existing single-family residential development with vacant commercial land to the east which includes a recently approved retail center. Also, the March Middle School and Rainbow Elementary School are located to the south. There are no existing trees or vegetation on the project site. Therefore related to any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance, no impacts would occur and no mitigation measures would be required.

f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Conservation Community Plan, or other approved local, regional, or state habitat conservation plan?			■	
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The project site is not located within one of the Multiple Species Habitat Conservation Plan (MSHCP) criteria areas, which are potential habitat preservation areas. The proposed project will not conflict with the Stephen's Kangaroo Rat Habitat Conservation Plan (SKR HCP) or MSHCP or any other known local, regional or state habitat conservation plans. The project will be conditioned to pay required SKR mitigation fees. Also, the City participates in the MSHCP, a comprehensive habitat conservation-planning program addressing multiple species' needs, including preservation of habitat and native vegetation in Western Riverside County. This project will also be subject to impact fees to support the implementation of the Multiple Species Habitat Conservation Plan as provided for by City ordinance.

**V. CULTURAL RESOURCES.** Would the project:

a) Cause a substantial adverse change in the significance of a historical resource as defined in Section 15064.5?			■	
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b) Cause a substantial adverse change in the significance of an archaeological resources pursuant to Section 15064.5?			■	
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c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?			■	
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(a, b and c)

A Cultural Resource Assessment for the project site was prepared by Helix Environmental Planning April 13, 2016. The cultural resources study included a record search, a Sacred Lands File search, tribal outreach, a review of historic maps and aerial photographs, an intensive survey by a HELIX archaeologist and a Native American monitor, and preparation of a report.

The project site is comprised of flat topography with no rock outcroppings or other unique geologic features. Based upon inspections of the project site in November 2015 and again in April 2016 and review of a 1987 citywide survey (Archeological Research Unit, University of California, Riverside), there are no known archaeological resources on the project site. There are no historical structures existing on the project site (General Plan, Figure 5.10-1, Historic Resources Inventory). There are no known historical paleontological or unique geological features on the project site (General Plan, Figures 5.10-2, Prehistoric Sites). Additionally, the City's Final Program EIR (June 2006), Figure 5.10-3 list the project site as low potential for paleontological sensitive area based on extensive field work (Page 5.10-10).

Based on the Cultural Resource Assessment, a record search of the project area and a one-mile radius from the Eastern Information Center (EIC) indicated that eight cultural resources had been recorded within the search radius (see Table 1 of the Cultural Resource Study). One resource (P-33-023936) was mapped within the project property. This resource is a historic period alfalfa farm that encompasses the property adjacent to the project area on the east as well as the southeastern corner of the project area. One feature from this site is located in the project area: the remnants of a grain loading dock from the Barron/Lantz Holdings, tentatively dated for use between 1948 and 1970. This historic feature is not considered a significant resource.

The current survey did not identify any cultural resources within the project area other than the previously recorded historic feature, which is not a significant resource. Therefore, no impacts to cultural resources are anticipated. However, the project site is in alluvial soils, where there is a potential for buried cultural resources. Based on this, it is recommended that an archaeological and Native American monitoring program be implemented. The monitoring program would include attendance by the archaeologist and Native

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American monitor(s) at a preconstruction meeting with the grading contractor and the presence of archaeological and Native American monitors during initial ground-disturbing activities on site. Both archaeological and Native American monitors would have the authority to temporarily halt or redirect grading and other ground-disturbing activity in the event that cultural resources are encountered.

The following mitigation measures have been introduced to ensure compliance with City General Plan Policies and the State Public Resources Code:

CR-1: Prior to the issuance of a grading permit, the Project Applicant shall provide evidence to the City of Moreno Valley that a professional archaeological monitor has been retained by the Applicant to conduct monitoring of all mass grading and trenching activities and that the monitor has the authority to temporarily halt and redirect earthmoving activities in the event that suspected archaeological resources are unearthed during Project construction. The Project archaeologist, with input from the appropriate Tribe, shall prepare a Cultural Resources Monitoring Plan (CRMP) to document protocols for inadvertent finds, to determine potential protection measures from further damage and destruction for any identified archaeological resource(s)/ tribal cultural resources (TCRs), outline the process for monitoring and for completion of the final Phase IV Monitoring Report. If any archaeological and/or TCRs are identified during monitoring, these will also be documented and addressed per standard archaeological protocols in the Phase IV report, with the exception of human remains which will be addressed per CUL-5. The Project Archaeologist shall attend the pregrading meeting with the City and contractors to explain and coordinate the requirements of the monitoring program.

CR-2: At least 30 days prior to the issuance of a grading permit, the Applicant shall contact the appropriate Luiseño tribe to develop a Cultural Resources Treatment Agreement and shall provide evidence to the City of Moreno Valley that the professionally qualified Luiseño Native American monitor(s) has been secured from the interested tribe(s), and that the monitor shall be allowed to monitor all mass grading and trenching activities. The Tribal representative(s) shall attend the pre-grading meeting with the City and contractors to explain and coordinate the requirements of the monitoring program.

CR-3: If, during mass grading and trenching activities, the Archaeologist or Tribal representatives suspect that an archaeological resource and/or TCR may have been unearthed, the monitor identifying the potential resources, in consultation with the other monitor as appropriate, shall immediately halt and redirect grading operations in a 100-foot radius around the find to allow identification and evaluation of the suspected resource. The Native American monitor(s) or appropriate representative(s) and the archaeological monitor shall evaluate the suspected resource and make a determination of significance pursuant to California Public Resources Code Section 21083.2. The archaeological monitor and tribal monitor(s) or appropriate representative(s), the Project Applicant, and the City Planning Division shall confer regarding mitigation of the discovered resource(s). All sacred sites, should they be encountered within the Project area, shall be avoided and preserved as the preferred mitigation, if feasible.

CR-4: Prior to grading permit issuance, the City shall verify that the following note is included on the Grading Plan:

“If any suspected archaeological resources are discovered during ground-disturbing activities and the archaeological monitor or Tribal representatives are not present, the construction supervisor is obligated to halt work in a 100-foot radius around the find and call the project archaeologist and the Tribal representatives to the site to assess the significance of the find.”

CR-5: If human remains are encountered, California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the Riverside County Coroner has made the necessary findings as to origin. Further, pursuant to California Public Resources Code Section 5097.98(b), remains shall be left in place and free from disturbance until a final decision as to the treatment and disposition has been made by the Coroner. If the Riverside County Coroner determines the remains to be Native American, the California Native American Heritage Commission must be contacted within 24 hours. The Native American Heritage Commission must then immediately notify the “most likely descendant(s)” of receiving notification of the discovery. The most likely descendant(s) shall then make recommendations within 48 hours, and engage in consultations concerning the treatment of the remains as provided in Public Resources Code §5097.98.

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CR-6: Prior to construction involving excavation four feet or more below existing surface grade, the construction contractor shall provide evidence that a qualified paleontologist has been retained, and that the paleontologist(s) shall be present during all grading and other significant ground-disturbing activities that reach four feet or more below existing surface grade. In the event fossiliferous deposits are encountered, the following measures shall be implemented:

- Monitoring shall be conducted by qualified paleontological monitor(s) of excavation in areas identified as likely to contain paleontological resources, including very old alluvial fan deposits. Paleontological monitors shall be equipped to salvage fossils as they are unearthed, to avoid construction delays, and to remove samples of sediments that are likely to contain the remains of small fossil invertebrates and vertebrates. Monitors shall be empowered to temporarily halt or divert equipment to allow removal of abundant or large specimens. Monitoring may be reduced if the potentially fossiliferous units are determined upon exposure and examination by qualified paleontological personnel to have low potential to contain fossil resources.
- Paleontological monitoring of any earthmoving will be conducted by a monitor, under direct guidance of a qualified paleontologist. Earthmoving in areas of the parcel where previously undisturbed sediments are buried, but not otherwise disturbed, will not be monitored.
- If too few fossil remains are found after 50 percent of the planned-for earthmoving has been completed, monitoring can be reduced or discontinued in those areas at the Project paleontologist’s direction.
- Preparation of recovered specimens to a point of identification and permanent preservation, including washing of sediments to recover small invertebrates and vertebrates.
- Identification and curation of specimens into a professional, fully accredited museum repository with permanent retrievable storage. The paleontologist must have a written repository agreement in hand prior to the initiation of mitigation activities.
- Preparation or a report of findings with and appended itemized inventory of specimens. The report and inventory, when submitted to the city along with confirmation of the curation of recovered of recovered specimens into an established, accredited museum repository, will signify completion of the program to mitigate impacts to paleontological resources.

Based on the proceeding information, development of the project will not result in substantial adverse change in the significance of a historical or archaeological resource or result directly or indirectly in the destruction of a unique paleontological resource or site or unique geologic feature.

d) Disturb any human remains, including those interred outside of dedicated cemeteries?			■	
No known human remains have been identified at the project site. Compliance with mitigation measure CR-5 as identified in the response to checklist questions a, b, and c for Cultural Resources will also serve to prevent the disturbance of any human remains.				
<b>VI. GEOLOGY AND SOILS.</b> Would the project:				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury or death involving:				
(i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.				■

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According to the City’s General Plan, the project site is not on, or close to, any known earthquake fault. There is no new information that would indicate the existence of a fault or fault tract in proximity of the site. Accordingly, there is no risk of ground rupture due to faulting at the proposed project site.				
(ii) Strong seismic ground shaking?			■	
According to the City’s General Plan, the project site is not on, or close to, any known earthquake fault. The nearest fault is the San Jacinto fault system, which is located about 8 miles to the northeast. The San Andreas fault system is more than 25 miles from the site. The active Sierra Madre and San Gabriel fault zones lie roughly 35 and 40 miles respectively to the northwest of the site. The active Elsinore and Newport-Inglewood fault zones lie approximately 20 and 45 miles, respectively, to the southwest of the site. This faulting is not considered a significant constraint to development on the site with the use of current building codes. Ground-shaking intensity could be moderately-high during a 100-year interval earthquake. Foundation designs will be reviewed to ensure incorporation of appropriate engineering recommendations to mitigate any such seismicity. There is no new information that would indicate the existence of a fault on the site.				
(iii) Seismic-related ground failure, including liquefaction?			■	
According to the City’s General Plan, the project site is not on, or close to, any known earthquake fault. However, ground-shaking intensity could be moderately-high during a 100-year interval earthquake. Based on available resources and the City’s General Plan, the potential for seismic related failure or liquefaction on the site is minimal based on the water table and soil conditions at the site.				
(iv) Landslides?				■
The project site is not near or adjacent to mountainside areas. Due to a lack of slopes within or nearby the project site seismically induced landslides are not anticipated to pose a danger to the project site. Development of the project will not result in impacts from landslides and no mitigation measures would be required.				
(b) Result in substantial soil erosion or the loss of topsoil?			■	
The development of the site will likely result in the reduction of erosion with the placement of buildings and landscaping on the site. During construction, there is the potential for less than significant impacts for short-term soil erosion from minimal excavation and grading. This will be addressed as part of standard construction, such as watering to reduce dust and sandbagging, if required, during raining periods.				
(c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?			■	
According to the City’s environmental information, the geologic unit or soil is not known to be unstable (Western Riverside Area Soil Survey – University of California Agricultural Experiment Station, 1971). As designed and conditioned, the potential for the impacts resulting from a landslide, lateral spreading, subsidence, liquefaction or collapse is less than significant.				
(d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?			■	
According to the City’s environmental information and the results of a Geotechnical Report prepared by Leighton and Associates, Inc. on June 9, 2004 and an Update prepared on August 29, 2016, project soils evaluated in a near surface sample have a very low expansion potential. The potential for the project to create substantial risks to life or property is less than significant.				
(e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?			■	
The proposed apartment project will operate on a sewer system that will be reviewed, approved and installed according to Eastern Municipal Water District requirements. The proposed project will not be introducing septic tanks or alternative water disposal systems.				
<b>VII. GREENHOUSE GAS EMISSIONS. Would this project?</b>				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?			■	

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Global climate change is caused by greenhouse gas (GHG) emissions throughout the world. Mitigating global climate change will require worldwide solutions. Greenhouse gases are gases emitted from the earth's surface that absorb infrared radiation in the atmosphere. Increases in these gases lead to more absorption of radiation and warm the lower atmosphere, and therefore increase evaporation rates and temperatures on the Earth's surface.

The City of Moreno Valley adopted a Climate Action Strategy on October 9, 2012. In 2012, the City of Moreno Valley completed a Greenhouse Gas Analysis (City's GHG Analysis) that addresses statewide legislation for sustainability through the preparation of GHG inventories and strategies to reduce emissions consistent with AB 32, which established a statewide target to reduce GHG emission to 1990 levels by 2020. The greenhouse gas analysis provides a policy framework for reducing emissions within the City. Following the state's adopted GHG reduction target, Moreno Valley set a goal to reduce emissions back to 1990 levels by the year 2020. This target was calculated as a 15 percent decrease from 2007 levels. Projects that demonstrate compliance with the reduction target described in the City's GHG Analysis are considered consistent with the AB 32 reduction target.

As provided for in the CEQA Guidelines (Section 15064.4), it is necessary for the lead agency to make a good-faith effort in considering GHG emissions on a project specific basis. A Greenhouse Gas Analysis (GHG) was prepared for the project by Urban Crossroads on November 3, 2016, to analyze potential construction resource and operational resource impacts.

The City of Moreno Valley has not adopted its own numeric threshold of significance for determining impacts with respect to GHG emissions. The SCAQMD has convened a Working Group. Based on the last Working Group meeting (Meeting No. 15) held in September 2010, SCAQMD is proposing to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency. SCAQMD had proposed a Project level efficiency significance threshold, in which a 2020 statewide population and employment for land use sectors was divided by 2020 statewide SP, amounting to a 4.8 MTCO<sub>2</sub>e per service population threshold (1). The City will utilize the Project level efficiency significance threshold approach recommended in the SCAQMD's Interim Thresholds document for commercial, residential, and mixed use projects. Thus, and based on guidance from the SCAQMD, if a residential project would emit GHGs less than 4.8 MTCO<sub>2</sub>e per service population, the project is not considered a substantial GHG emitter and the GHG impact is less than significant. On the other hand, if a residential project would emit GHGs in excess of 4.8 MTCO<sub>2</sub>e per service population, then the project could be considered a substantial GHG emitter, requiring additional analysis and potential mitigation. As identified in Table 4-1 of the Greenhouse Gas Analysis, the proposed project would result in approximately 4.62 MTCO<sub>2</sub>e per service population and would not exceed the threshold of 4.8 MTCO<sub>2</sub>e per service population. Therefore, project-related emissions would not have a significant direct or indirect impact on GHG and climate change.

b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?			■	
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AB 32 is the primary plan, policy or regulation adopted in the State of California to reduce GHG emissions. The City's GHG Analysis in 2012 addressed statewide legislation for sustainability through the preparation of GHG inventories and strategies to reduce emissions consistent with AB 32, which established a statewide target to reduce GHG emission to 1990 levels by 2020. Preparing a greenhouse gas analysis supports AB 32 at the local level, and the greenhouse gas analysis provides a policy framework for how the City of Moreno Valley can do its part to reduce emissions.

The City of Moreno Valley adopted a Climate Action Strategy on October 9, 2012. In 2012, the City of Moreno Valley completed a Greenhouse Gas Analysis (City's GHG Analysis) that addresses statewide legislation for sustainability through the preparation of GHG inventories and strategies to reduce emissions consistent with AB 32, which established a statewide target to reduce GHG emission to 1990 levels by 2020. Preparing a greenhouse gas analysis supports AB 32 at the local level. The greenhouse gas analysis provides a policy framework for how the City of Moreno Valley can do its part to reduce emissions. Following the state's adopted GHG reduction target, Moreno Valley set a goal to reduce emissions back to 1990 levels by the year 2020. This target was calculated as a 15 percent decrease from 2007 levels. Projects that demonstrate compliance with the reduction target described in the City's GHG Analysis are considered consistent with the AB 32 reduction target.

The Project is consistent with and supports the City of Moreno Valley Energy Efficiency and Climate Action Strategy (CAS), which is the applicable plan, policy or regulation adopted for the purpose of reducing greenhouse gases. Project consistency with the CAS is detailed in Section 2.10 of the Greenhouse Gas Analysis.

Therefore, since the proposed Project meets and exceeds the City's GHG Analysis reduction target and complies with applicable measures that reduce GHG emissions, the proposed Project will not conflict with any applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases, and impacts in this regard are considered less than significant.

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<b>VIII. HAZARDS AND HAZARDOUS MATERIALS.</b> Would the project?				
a) Create a significant hazard to the public or the environment through the routine transport, use or disposal of hazardous materials?				■
The proposed project will not involve the routine transport, use or disposal of hazardous materials. Since the project will not involve the routine transport, use or disposal of hazardous materials, there will be no potential for a significant hazard to the public or the environment.				
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?				■
The proposed project will not involve the routine transport, use or disposal of hazardous materials. The proposed project will not create a significant hazard to the public or the environment through the routine transport, or use or disposal of hazardous materials. Since the project will not involve the routine transport, use or disposal of hazardous materials, there will be no potential for a significant hazard to the public or the environment.				
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				■
March Middle School is located immediately to the south of the project site and Rainbow Elementary School is located approximately 700 feet further to the south. The project as designed and conditioned will not emit hazardous emissions or handle hazardous materials.				
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result would it create a significant hazard to the public or the environment?				■
The site was checked against the list of hazardous material sites pursuant to Government Code Section 65962.5. The project is not located on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5.				
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?			■	
The nearest airport is the March Air Reserve Base located approximately three-quarters of a mile to the west. The distance to the runway is approximately one mile. The project site is located within Compatibility Zone E of the March Air Reserve Base/Inland Port Airport Land Use Compatibility Plan where residential density is not restricted. This project was reviewed by the Riverside County Airport Land Use Commission and in a letter dated May 10, 2016 it was determined to be consistent with the 2014 March Air Reserve Base/Inland Port Airport Land Use Compatibility Plan subject to certain requirements which have been incorporated into the project conditions of approval. The project, as conditioned, will not result in a safety hazard for future residents.				
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?				■
There are no private airstrips within the City of Moreno Valley. The project is not within proximity of a private airstrip. Therefore, the project would not result in a safety hazard pertaining to proximity of a private airstrip.				
g) Impair implementation of, or physically interfere with an adopted emergency response plan or emergency evacuation plan?				■
The proposed project would not have any direct effect on an adopted emergency response plan, or emergency evacuation plan. The City's emergency plans are also consistent with the General Plan. The proposed project has been designed and conditioned to provide required circulation and required fire access to allow for ingress of emergency vehicles and egress of passenger vehicles. Therefore, the proposed project would not be in conflict in any way with the emergency response or emergency evacuation plans.				
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?				■
The proposed project site is not adjacent to wildlands and is not located within the Very High Fire Hazard Severity Zone. As designed and conditioned, the project would not expose people or structures to a significant risk of loss, injury or death involving wildland fires. In addition, the project is not located within a designated wildland area.				

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**IX. HYDROLOGY AND WATER QUALITY.** Would the project:

a) Violate any water quality standards or waste discharge requirements?			■	
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Pursuant to the requirements of the Santa Ana Regional Water Quality Control Board, a project specific Water Quality Management Plan (WQMP) is required of certain projects involving discretionary approval. This project requires a WQMP to address pollutants of concern. Site Design and Source Control best management practices (BMP) are conditioned to be used throughout the project. The project has proposed the use of bioretention facilities and Low Impact Development (LID) BMP's. Treatment BMPs will be selected and implemented which are medium to highly effective in treating pollutants of concern. Final design and sizing details of all BMPs must be provided in the first submittal of the F-WQMP. The project has been conditioned to provide documentation that runoff will be treated in conformance with the "Riverside County Water Quality Management Plan for Urban Runoff" dated October 22, 2012 and approved by the Santa Ana Regional Water Quality Control Board (Guidance Document).

Additionally, grading activities would temporarily expose soils to wind and water erosion that would contribute to downstream sedimentation. The proposed project would comply with all permits and development guidelines associated with urban water runoff and discharge set forth by the City of Moreno Valley and the Regional Water Quality Control Board. With the approval of the storm drainage facilities by the City Engineer and Riverside County Flood Control District (RCFCD), as well as complying with all applicable storm water discharge permits, impacts would be less than significant.

b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?			■	
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The Eastern Municipal Water District (EMWD) would provide the proposed project with potable water as opposed to utilizing individual water wells. Potable water is adequate to serve the proposed project. Although the project would cover a majority of the site with impervious surfaces, the landscaped areas would still provide a means for groundwater recharge. Impacts would be less than significant.

c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner which would result in substantial erosion or siltation on- or off-site?			■	
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There is no streambed or river on the project site, so the project will not cause a change in the existing on-site drainage pattern that would result in substantial erosion or siltation on- or off-site. During construction of the project, there is the potential for some sediments to be discharged within the storm water system. Erosion control plans are required for projects prior to issuance of grading permits for preventing substantial erosion. The project as designed and conditioned will not change the existing drainage pattern that would result in substantial erosion or siltation on- or off-site. Impacts would be less than significant.

d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or surface runoff in a manner which would result in flooding on- or off site?			■	
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There is no streambed or river on the project site. The on-site project storm drain infrastructure proposes to tie into existing storm drain infrastructure in Perris Boulevard. The project will be responsible for completing both on- and off-site storm drain infrastructure. The project as designed and conditioned will not cause a change in the existing drainage pattern that would result in substantial erosion or siltation on- or off-site. Therefore, project implementation would not result in modifications that could ultimately result in substantial erosion or siltation on- or off-site. Impacts would be less than significant.

e) Create or contribute runoff which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?			■	
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The proposed project is consistent with the City’s General Plan. All storm drainage improvements would be developed to the standards of the City Engineer and the Riverside County Flood Control and Water Conservation District (RCFCD). Additionally, the project has been designed in accordance with the City’s standard conditions of approval, which includes measures pertaining to storm drainage facilities and runoff. RCFCD provided a letter dated November 2, 2015, indicating that the project site is within the limits of the Sunnymead Master Drainage Plan. The project proposes to construct on-site storm drain infrastructure and detention/water quality basins. Post-construction, the project will not discharge storm water that exceeds historic capacities and will not exceed the capacity of existing or planned stormwater drainage systems. The project will also construct Master Plan Storm Drain system Line M2 and the related utility relocation by constructing approximately 3,000 of off-site storm drain in Santiago Drive, Perris Boulevard, and Iris Avenue. The project will also construct Master Plan Storm Drain system Line D1 by constructing approximately 300 of off-site storm drain in Indian Avenue.

As with any urban project, runoff entering the storm drainage system would contain minor amounts of pollutants (including pesticides, fertilizers and motor oil). This would incrementally contribute to the degradation of surface and sub-surface water quality. Additionally, grading activities would temporarily expose soils to water erosion that would contribute to downstream sedimentation. However, the project is subject to the permit requirements of the Santa Ana Regional Water Quality Control Board. As the site is currently unpaved and exposed, development of the proposed project would lessen the existing site contribution to sediment runoff at project completion. Additionally, the approved Preliminary WQMP proposes Best Management Practices for water quality treatment at both the project construction and operational stages. With the approval of the storm drainage facilities by the City Engineer and RCFCD, incorporation of conditions of approval into the project’s design, as well as compliance with all applicable storm water discharge permits, impacts would be less than significant.

f) Otherwise substantially degrade water quality?			■	
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The proposed project is consistent with the City’s General Plan. All storm drainage improvements would be developed to the standards of the City Engineer and the RCFCD. Additionally, the project has been designed in accordance with the City’s standard conditions of approval, which includes measures pertaining to storm drainage facilities and runoff. As with any urban project, runoff entering the storm drainage system would contain minor amounts of pollutants (including pesticides, fertilizers and motor oil). This would incrementally contribute to the degradation of surface and sub-surface water quality. Additionally, grading activities would temporarily expose soils to water erosion that would contribute to downstream sedimentation. However, the tract is subject to the permit requirements of the Santa Ana Regional Water Quality Control Board. As the site is currently unpaved and exposed, development of the proposed project would lessen the existing site contribution to sediment runoff at project completion. With the approval the storm drainage facilities by the City Engineer and Riverside County Flood Control District, incorporation of conditions of approval into the project’s design, as well as compliance with all applicable storm water discharge permits, impacts would be less than significant.

g) Place housing within a 100-year floodplain, as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?			■	
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h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?			■	
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(g and h) The proposed project site is located within Federal Emergency Management Agency Zone “X” area outside of the 100-year flood hazard area. This is an area determined to be outside of the 0.2% annual chance flood plain. The project is outside of the delineated dam inundation area for Perris Dam at Lake Perris Reservoir and will not place housing or structures within a 100-year flood hazard area. There are no mountains or steep slopes in proximity to the project site, therefore, there is no chance of mudflows from local mountains. Therefore, impacts would be less than significant. The project as designed and conditioned will not place structures which would impede or redirect flood flows.

i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?				■
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The proposed project site is located within Federal Emergency Management Agency Zone “X” area outside of the 100-year flood hazard area. This is an area determined to be outside of the 0.2% annual chance flood plain. The project site is outside of the delineated dam inundation area for Perris Dam at Lake Perris Reservoir and will not expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam.

j) Inundation by seiche, tsunami, or mudflow?				■
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The project site is not identified in the General Plan as a location subject to seiche, or mudflow. The project is outside of the delineated dam inundation area for Perris Dam at Lake Perris Reservoir. Additionally, due to the position of the proposed project, mudflows from local mountains would be unlikely due to surrounding development. There would be no impacts resulting from inundation by seiche, tsunami, or mudflow.

Attachment: Initial Study Checklist (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

<b>Issues and Supporting Information</b>	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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**X. LAND USE AND PLANNING.** Would the project:

a) Physically divide an established community?			■	
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The project proposes to develop a planned single-family residential community on approximately 53 acres in the R5 zone. Project applications include:

- General Plan Amendment from Residential 30 to Residential 5 for a 15.06 acre portion of the approximately 53 acre site;
- Zone Change from R30 to R5 for a 15.06 acre portion of the approximately 53 acre site;
- Conditional Use Permit for a Planned Unit Development (PUD) to create minimum lot sizes of 4,000 and 5,000 square and unique development standards; and
- Tentative Tract Map 36760 to subdivide the approximately 53 acre site into a total of 221 single family residential lots.

The project site is bounded by existing single-family tract homes to west and northwest in the RS-10 zone with minimum lot sizes of 4,500 square feet. The property immediate to the north is zoned R5 and has been subdivided with a recorded map, Tract Map 22180. Further to the north are existing single-family tract homes in the R5 zone. Southwest of the project site are single-family homes in the R5 zone. March Middle School and Rainbow Elementary School are located immediately to the south. The California Aqueduct bounds the property along its eastern property line with vacant Community Commercial zoned property to the east. The site to the east was recently approved for development as a Walmart retail center. Additional commercial existing retail centers are located to the southeast at the intersection of Perris Boulevard and Iris Avenue. March Air Reserve Base is located approximately three-quarters of a mile to the west with the City Corporate Yard located approximately 1,400 feet to the east. Since the residential development proposed at this location is an extension of an established land use pattern and is compatible with adjacent General Plan and Zoning districts and existing land uses, the project will not physically divide an established community and impacts would be less than significant under this category.

b) Conflict with an applicable land use plan, policy or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?			■	
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This single-family residential project, proposes development that is a permitted use in the R5 zone and are consistent with the goals, objectives and policies of the Residential 5 General Plan designation for the project site.

Based upon the conclusions of a Traffic Impact Analysis Report prepared by Urban Crossroads on September 16, 2016, analysis of existing traffic patterns plus project traffic conditions does not result in direct impacts to studied roadway segments or intersections. Analysis of the year 2021 cumulative traffic plus project traffic conditions demonstrated cumulative impacts to three intersections (Indian Street at Cactus Avenue, Indian Street at Gentian Avenue, and Perris Boulevard at Santiago Drive). Mitigation measure requiring the payment of development impact fees and a fair share contribution have been placed on this project to reduce cumulative impacts to less than significant at these three intersections.

As designed and conditioned, and subject to implementation of mitigation measures, the project will not conflict with an applicable land use plan, policy or regulation of an agency with jurisdiction over the project including the City's General Plan.

c) Conflict with any applicable habitat conservation plan or natural community conservation plan?			■	
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The project is not within one of the Multiple Species Habitat Conservation Plan (MSHCP) criteria areas, which are potential habitat preservation areas. The proposed project will not conflict with the Stephen's Kangaroo Rat Habitat Conservation Plan (SKR HCP) or MSHCP or any other known local, regional or state habitat conservation plans. The project will be conditioned to pay the required SKR mitigation fees. Also, the City participates in the MSHCP, a comprehensive habitat conservation-planning program addressing multiple species' needs, including preservation of habitat and native vegetation in Western Riverside County. This project will also be subject to fees per City ordinance to support the implementation of the Multiple Species Habitat Conservation Plan.

**XI. MINERAL RESOURCES.** Would the project:

a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?				■
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b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?				■
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(a and b) The project site is located in an urbanized area with additional development occurring in the vicinity. No active mines or mineral recovery programs are currently active within the project site or the surrounding area. Consequently, the development of the project site would not conflict with a mineral recovery plan as adopted by the General Plan. No significant impacts would occur.

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Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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**XII. NOISE.** Would the project result in:

a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?			■	
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?			■	

(a and b) The General Plan Environmental Impact Report (EIR) Noise Section for the City of Moreno Valley states that “The noise generated by construction is addressed by existing city regulations. It is unlawful to create noise that annoys reasonable people of normal sensitivity. The Public Works Department has a standard condition of approval regarding the public nuisance aspect of the construction activities. The construction operations including building related activities and deliveries shall be restricted to Monday through Friday (except for holidays which occur on weekdays), six a.m. to eight p.m.; weekends and holidays (as observed by the city and described in Chapter 2.55 of the Municipal Code), seven a.m. to eight p.m., unless written approval is obtained from the city building official or city engineer. Although construction activities will result in a noise impact, this impact will be short-term and will cease upon completion of construction. The temporary nature of the impact in conjunction with existing city regulations on hours of operation will lessen the potential of a significant impact due to construction noise. However, noise sensitive land use located adjacent to construction sites may be impacted by future construction in the planning area as a result of groundborne noise levels, noise levels that exceed existing standards, and temporary or periodic increases in the ambient noise level.

Although not required as mitigation measures to reduce a potentially significant impact to acceptable levels, the following mitigation measures have been introduced to ensure compliance with City General Plan Policies regarding noise:

N-1: Construction activities shall be operated in a manner that limits noise impacts on surrounding uses (General Plan Policy 6.5.2). In order to limit noise impacts on surrounding property, the construction contractor will ensure the following:

- All construction equipment powered by gasoline or diesel engines will be required to have sound-control devices at least as effective as those originally provided by the manufacturer; no equipment will be permitted to have an unmuffled exhaust.
- Mobile noise-generating equipment and machinery will be shut off when not in use;
- Construction vehicles assessing the site will be required to use the shortest possible route to and from local freeways, provided the routes do not expose additional receptors to noise.

N-2: The staging of construction equipment and the construction trailer shall be placed as far as possible from the existing single-family residences located to the west and south and the schools to the south.

The proposed residential development as designed and conditioned is consistent with City Municipal Code development standards and the City’s design guidelines for single-family residential development. It is anticipated that project traffic will operate within acceptable Levels of Service at General Plan build-out, therefore, noise levels will be consistent with General Plan criteria for noise, and noise levels will not exceed the standards set forth in the General Plan. Perceptible groundborne vibrations are typically associated with blasting operations and potentially the use of pile drivers, neither of which will be used during construction of the Proposed Project. As such, no excessive groundborne vibration would be created by the Proposed Project. A less than significant impact would occur.

c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?			■	
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The proposed residential development, as designed and conditioned is consistent with City Municipal Code development standards and Design Guidelines for single-family residential development. Permanent noise associated with the proposed residential development includes, but are not limited to, resident and visitor vehicular traffic, routine landscape and home maintenance, and maintenance of common landscape areas. However, these noise sources would be typical of the adjacent area and therefore, the project would not introduce unique noise sources. Although not required as mitigation measures to reduce a potentially significant impact to acceptable levels, mitigation measures N-1 and N-2 as referenced under Noise checklist questions (a) and (b) have been introduced to ensure compliance with City General Plan Policies related to noise regulation. Therefore, noise levels would be consistent with General Plan criteria for noise, and noise levels will not exceed the standards set forth in the General Plan. Impacts would be less than significant as a result of the proposed project.

d) A substantially temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?			■	
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Attachment: Initial Study Checklist (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



<b>Issues and Supporting Information</b>	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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During construction, there will be the temporary impact of noise from construction equipment. The nearest sensitive receptors are March Middle School located immediately to the south and Rainbow Elementary School located approximately 700 feet further to the south and existing single-family tract homes to the west and northwest on the west side of Indian Street and to south. The Public Works Department has a standard condition of approval regarding the public nuisance aspect of the construction activities. Any construction within the city shall only be completed between the hours of seven a.m. to seven p.m. Monday through Friday, excluding holidays and from eight a.m. to four p.m. on Saturday, unless written approval is obtained from the city building official or city engineer. According to the Moreno Valley Municipal Code (9.10.030), all temporary construction activities are exempt from the noise standards as long as construction activities are limited to the daytime hours as described above and construction equipment is properly maintained with working mufflers. Although not required as mitigation measures to reduce a potentially significant impact to acceptable levels, mitigation measures N-1 and N-2 as referenced under Noise checklist questions (a) and (b) have been introduced to ensure compliance with City General Plan Policies related to noise regulation.

e) For a project located within an airport land use plan, or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?				■
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The nearest airport is the March Air Reserve Base located approximately three-quarters of a mile to the west. The distance to the runway is approximately one mile. The project site is located within Compatibility Zone E of the March Air Reserve Base/Inland Port Airport Land Use Compatibility Plan. This area is considered a Flight Corridor Buffer zone. Noise impacts are identified as low since the project site is located beyond the 55 CNEL contour. The 55 CNEL contour is below the recommended exterior noise levels caused by aircraft over flight for new residential (65 CNEL) and other development (70 CNEL which requires insulation) as outlined General Plan Policies 6.3.2 and 6.3.3. Noise concerns within Zone E are related to occasional overflights intrusive to some outdoor activities. There are no restrictions on land use or density within this zone. This project was reviewed by the Riverside County Airport Land Use Commission and found to be consistent with the 2014 March Air Reserve Base/Inland Port Airport Land Use Compatibility Plan subject to certain requirements which have been incorporated into the project conditions of approval.

f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?				■
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There is no private airstrip within the vicinity of the site, or within the City of Moreno Valley.

**XIII. POPULATION AND HOUSING.** Would the project:

a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?		■		
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The project site is bounded on the west and south by development with improved street frontage along Indian Street and vacant R5 zone land to the north with a recorded map (Tract Map 22180). Vacant land for commercial (Community Commercial zoning) is located to the east (approved Walmart retail center). The project is surrounded by urban uses. The proposed residential development is consistent with surrounding General Plan land use and Zoning designations. The project will allow for the construction of 221 single-family residential homes. However, the numbers of residential units is less than the total number that would be allowed by the existing General Plan and zoning designations for the site. The project has been conditioned to construct all required on-site and off-site public infrastructure and to participate in the payment of applicable development impact fees.

b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?				■
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c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?				■
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(b and c) This property is currently vacant, and no housing is currently located there. No housing will be displaced by development of this project. The project will not displace any residents.

**XIV. PUBLIC SERVICES.** Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered government facilities, need for new or physically altered government facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:

a) Fire protection?			■	
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The proposed project has incorporated the City's standard conditions of approval into its design. These standards specifically address concerns regarding the Fire Prevention Bureau. Standards such as providing approved fire hydrants, fire flow requirements; development impact fee programs and utilizing fire retardant materials have all been incorporated into the project's design. Insurance Services Office (ISO) ratings are given to firefighting districts in order to rank their operation level. This scale ranges from one (1) the highest possible score, to a ten (10), the worst possible score. The City of Moreno Valley currently has an ISO rating of four (4), which is considered high. With the implementation of the conditions of approval of the project pertaining to Fire Services, impacts would be less than significant

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<b>Issues and Supporting Information</b>	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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b) Police protection?			■	
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The proposed project conforms to the City’s Municipal Code and to the General Plan. Police protection to the project area is provided through the Moreno Valley Police Department. The Police Department was involved in the project review process. Conditions of approval have been included by Police Department to ensure health and safety is protected during construction. Development of the project site would increase the demand for services on the Police Department. The project will pay development impact fees related to Police Facilities. With payment of impact fees, the development of the proposed project would not overburden their service ability in continuing to provide high quality police service.

c) Schools?				■
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d) Parks?				■
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(c and d) The project would directly increase the use of schools or park facilities through the development of a 221 lot single-family residential planned community. Consistent with City General Plan Policies 4.2.1 and 4.2.14 the City’s Master Plan of Trails and the Master Plan of Parks, this project has been conditioned to construct and then convey to the City a segment of the Juan Bautista De Anza trail within the adjacent California Aqueduct and to construct and convey to the City a public park of approximately 2.0 acres in size with amenities that would include play equipment, a picnic shelter, a gazebo, large group barbeques, concrete picnic tables and benches, concrete waste/recycle containers; drinking fountains, walkway security lighting, decorative concrete walkways, decomposed granite walking path; and tubular steel fencing surrounding the park. The project will pay development impact fees collected and administered by the Moreno Valley Unified School District.

e) Other public facilities?			■	
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There will be an incremental increase in the demand for new or altered public services including city hall, and city yard facilities. These facilities would be needed with or without the project. This project will be subject to development impact fees, which shall address the impact of the proposed development.

**XV. RECREATION.**

a) Would the project increase the use of existing neighborhood or regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?				■
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b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?				■
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(a and b) As a residential use, the proposed development has the potential to increase the use of parks or other recreational facilities. The proposed project is designed to include private recreational amenities or facilities. The project has also been conditioned to construct and then convey to the City a segment of the Juan Bautista De Anza trail within the adjacent California Aqueduct and to construct and convey to the City a public park of approximately 2.0 acres.

**XVI. TRANSPORTATION/TRAFFIC.** Would the project:

a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?		■		
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b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?		■		
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(a and b) A Traffic Impact Analysis Report prepared by Urban Crossroads on September 16, 2016, in order to evaluate the proposed General Plan Amendment and Zone Change and the potential circulation system deficiencies that may result from the development of the proposed Project, and to recommend improvements to achieve acceptable circulation system operational conditions.

At the City’s direction, the evaluation of General Plan Buildout (2040) traffic conditions was contemplated for the purposes of this TIA. The development of the proposed Project (R5 land use designation) is anticipated to generate 1,799 fewer trip-ends per day with 135 fewer AM peak hour trips and 156 fewer PM peak hour trips, as compared to the currently adopted General Plan land uses (R5 and R30 land use designation). As such, evaluation of long-range traffic conditions was determined to be unnecessary as the proposed General Plan Amendment is anticipated to reduce the trips generated by the site. E+P and Opening Year Cumulative traffic conditions have been evaluated as part of this TIA in an effort to identify the near-term Project impacts, however, long-range traffic impacts are anticipated to be consistent with or less than those identified by the City’s currently adopted General Plan.

Analysis of the year 2021 cumulative traffic plus project traffic conditions demonstrated cumulative impacts to three intersections

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(Indian Street at Cactus Avenue, Indian Street at Gentian Avenue, and Perris Boulevard at Santiago Drive). A mitigation measure requiring the payment of development impact fees and a fair share contribution have been placed on this project to reduce cumulative impacts to less than significant at these three intersections.

Improvement strategies have been recommended at intersections that have been identified as deficient to reduce each location’s peak hour delay and improve the associated LOS grade to an acceptable LOS (LOS D or better). The effectiveness of the proposed recommended improvements is presented in Table 3-3 for Existing traffic conditions. Recommended improvements to address deficiencies for Existing traffic conditions are described below and analysis worksheets are provided in Appendix 3.4. of the Traffic Impact Analysis Report. The following mitigation measures apply to the project:

TR-1: Prior to the issuance of building permits, the Project applicant shall participate in the City’s DIF and County TUMF fee programs by paying the requisite fees at the time of building permit, and in addition pay the Project’s fair share amount of \$43,497 for improvements at the intersections of Indian Street at Cactus Avenue and Indian Street at Gentian Avenue as identified in Table 1-5 that are consistent with the improvements shown on Table 6-3, or as otherwise agreed to by the City and Project Applicant. Project fair share payment shall only be collected if the City creates a fee program that includes the improvements the fair share contribution is intended to construct.

TR-2: Prior to the final approval of the street improvement plans, traffic signal plans will be required for a new traffic signal located at the intersection of Perris Boulevard and Santiago Drive. Prior to issuance of Certificate of Occupancy, the traffic signal and Perris Boulevard and Santiago Drive shall be completed per the approved plans to the satisfaction of the City Engineer.

As designed and conditioned, and subject to implementation of mitigation measures TR-1 and TR-2, the project will not conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system and will not conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highway.

c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?			■	
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The nearest airport is the March Air Reserve Base located approximately three-quarters of a mile to the west. The distance to the runway is approximately one mile. The project site is located within Compatibility Zone E of the March Air Reserve Base/Inland Port Airport Land Use Compatibility Plan. This project was reviewed by the Riverside County Airport Land Use Commission and in a letter dated May 10, 2016 it was determined to be consistent with the 2014 March Air Reserve Base/Inland Port Airport Land Use Compatibility Plan subject to specific conditions related to the operation of the project. These conditions of approval have been made a requirement for this development. Therefore, as designed and conditioned, this project will not result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks.

d) Substantially increase hazards to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g. farm equipment)?			■	
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In addition to the project’s on-site public streets, the project has been conditioned by Public Works to complete street improvements where necessary along the site’s Indian Street, Gentian Avenue and Santiago Drive frontages. The street improvements will include but not be limited to, pavement, curb, gutter, sidewalk, streetlights, storm drain, signing and striping, raised median and dry and wet utilities. As designed, the project will not result in hazards, but will help decrease potential hazards at this location. The project is not adjacent to any potential incompatible uses.

e) Result in inadequate emergency access?			■	
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As designed and conditioned, all driveways and drive aisles will be built to the specifications of the City Engineer and Traffic Engineer, the Fire Prevention Bureau and the General Plan. This will ensure that no hazardous traffic situations would occur during construction or with completion of the project. The site will be readily accessible for emergency access.

f) Conflict with adopted policies or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?				■
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The project as designed and conditioned will not conflict with adopted alternative transportation policies, therefore, no adverse impacts would occur.

**XVII. UTILITIES AND SERVICE SYSTEMS.** Would the project:

a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?				■
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b) Require or result in construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?				■
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(a and b) A Preliminary Water Quality Management Plan (PWQMP) was prepared by Rick Engineering. The PWQMP identifies treatment Best Management Practices (BMP's) to address the project's pollutants of concern. The information presented in the PWQMP has been found by the City to be in general conformance with the document, "Water Quality Management Plan for the Santa Ana Region of Riverside County" dated October 22, 2012 and approved by the Santa Ana Regional Water Quality Control Board (Guidance Document). This project will not exceed the wastewater treatment requirements of the Regional Water Quality Control Board. The Eastern Municipal Water District (EMWD) is the sanitary district provider for the project. The project will not exceed wastewater treatment capacity of the Moreno Water Reclamation Facility.

c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?			■	
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Riverside County Flood Control District (RCFCD) provided a letter dated November 2, 2015, indicating that the project site is within the limits of the Sunnymead Master Drainage Plan. The project proposes to construct Master Plan Storm Drain system Line M2 and the related utility relocation by constructing approximately 3,000 of off-site storm drain in Santiago Drive, Perris Boulevard, and Iris Avenue. The project will also construct Master Plan Storm Drain system Line D1 by constructing approximately 300 of off-site storm drain in Indian Avenue. Construction of the required on and off-site storm drain infrastructure will not cause significant environmental effects.

d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?				■
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The water purveyor, Eastern Municipal Water District (EMWD), prepared an Urban Water Management Plan in 2010 demonstrating that it has or will have sufficient water supplies available to serve urban development within the City of Moreno Valley. EMWD's plan was based on the City's General Plan Land Use Element. The proposed residential development is consistent existing General Plan and Zoning designations. Therefore, sufficient water supplies exist to support the proposed project.

e) Result in a determination by the wastewater treatment provider which serves or may serve the project determined that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?				■
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The wastewater treatment provider is EMWD. The current wastewater treatment facility has adequate capacity to serve projects within Moreno Valley that are consistent with the General Plan and EMWD has plans for major expansions of the Moreno Water Reclamation Facility to serve future needs. Source: EIR for the 2006 General Plan Update.

f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?				■
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Waste Management provides waste hauling service to the City of Moreno Valley. The project will be served by a landfill in the Badlands with sufficient permitted capacity to accommodate the project's solid waste disposal needs. Source: EIR for the 2006 General Plan Update.

g) Comply with federal, state, and local statues and regulations related to solid waste?				■
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City policies require compliance with State and Federal regulations regarding solid waste. This project will be required to comply with the current policies regarding solid waste. (General Plan Objective 7.8 and Municipal Code Section 6.02)

**XVIII. MANDATORY FINDINGS OF SIGNIFICANCE.**

a) Does the project have the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?			■	
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There are no streambeds or riparian habitat within the project site. There were no surveyed rare plant or animal species noted on the project site. The project would not significantly degrade the quality of the environment or reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal. There are no historic structures on the site, and there will be no impact to historic resources. The project will not eliminate important examples of the major periods of California history or prehistory. The analysis in this Initial Study demonstrates that project and cumulative impacts would be less than significant. The project as designed and conditioned would not cause substantial adverse health effects on human beings.

b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?		■		
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Attachment: Initial Study Checklist (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

Issues and Supporting Information	Potentially Significant Impact	Less than Significant With Mitigation Incorporated	Less Than Significant Impact	No Impact
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Analysis of the year 2021 cumulative traffic plus project traffic conditions demonstrated cumulative impacts to three intersections (Indian Street at Cactus Avenue, Indian Street at Gentian Avenue, and Perris Boulevard at Santiago Drive). Mitigation measure requiring the payment of development impact fees and a fair share contribution have been placed on this project to reduce cumulative impacts to less than significant at these three intersections. Therefore, this project as conditioned and with mitigation will not create any impacts, that would be considered cumulatively considerable when viewed in connection with existing land uses, other recently approved projects, and existing land use designations. It is not expected that the proposed project would result in incremental effects. The analysis in this Initial Study demonstrates that with the implementation of mitigation measures for cumulative impacts to traffic infrastructure, the proposed project's cumulative impacts would be less than significant.

c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?			■	
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The project proposes a General Plan Amendment from Residential 30 to Residential 5 and Zone Change from R30 to R5 for a 15.06 acre portion of a 53 acre site in order to develop a 221 lot planned residential community. The project includes applications for Tentative Tract Map 36760 to subdivide the 53 acre site into a total of 221 single family residential lots and a Conditional Use Permit for a Planned Unit Development (PUD). The PUD application will establish minimum lot sizes of 4,000 and 5,000 square feet and establish unique lot widths and setback standards along with architectural guidelines. Analysis of the year 2021 cumulative traffic plus project traffic conditions demonstrated cumulative impacts to three intersections (Indian Street at Cactus Avenue, Indian Street at Gentian Avenue, and Perris Boulevard at Santiago Drive). Mitigation measure requiring the payment of development impact fees and a fair share contribution have been placed on this project to reduce cumulative impacts to less than significant at these three intersections. The project as designed and conditioned and with mitigation will not cause substantial adverse effects on human beings, either directly or indirectly for the reasons described in this checklist/initial study.

List of Key Documents and Resources:

- City of Moreno Valley General Plan, adopted by City Council on July 11, 2006
- City of Moreno Valley Municipal Code, adopted by City Council in 1997
- Preliminary Water Quality Management Plan prepared by Rick Engineering Company
- Traffic Impact Analysis prepared by Urban Crossroads, dated September 13, 2016
- Air Quality Study prepared by Urban Crossroads, dated November 3, 2016
- Greenhouse Gas Analysis prepared by Urban Crossroads, dated November 3, 2016
- Riverside County Integrated Project Long Report, Riverside County Transportation and Land Management Agency, April 15, 2016
- Western Riverside Area Soil Survey – University of California Agricultural Experiment Station, 1971
- Urban Water Management Plan, Eastern Municipal Water District, 2010
- State Important Farmland Map, 2015, <http://maps.conservation.ca.gov/ciff/ciff.html>
- Air Quality Management Plan (AQMP), South Coast Air Quality Management Board, 2012
- Cultural Resources Inventory, Archeological Research Unit, University of California, Riverside), October 1987
- Cultural Resource Study prepared by Helix Environmental Planning, dated April 13, 2016
- Geotechnical Report prepared by Leighton and Associates, Inc., dated June 9, 2004
- Update to Geotechnical Report prepared by Leighton and Associates, Inc., dated August 29, 2016
- March Air Reserve Base /Inland Port Airport Land Use Compatibility Plan, Riverside County Airport Land Use Commission, adopted November 13, 2014
- Hydrology Study, prepared by Rick Engineering Company, September 21, 2016
- Flood Insurance Rate Map, Federal Emergency Management Agency, Map Number 06065C0765G, August 28, 2008
- State Wildland Fires Map
- Riverside County Airport Land Use Commission consistency letter dated May 10, 2016

\*\*The above documents and studies are incorporated by reference and available in the case file for Expanded Initial Study PEN16-0096 and the Community Development Department – Planning Division or Public Works Department – Land Development Division.

# Legacy Park Project – Mitigation Monitoring and Reporting Program

## Conditional Use Permit PEN16-0094 / Tentative Tract Map 36760 (PEN16-0095)

Attachment: Mitigation Monitoring Program (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL

### Introduction

This Mitigation Monitoring and Reporting Program has been prepared for use in implementing mitigation for the Mitigated Negative Declaration (MND) for The Legacy Park (Conditional Use Permit PEN16-0094 and Tentative Tract Map 36760). The program has been prepared in compliance with State law and the MND prepared for the project.

The California Environmental Quality Act (CEQA) requires adoption of a reporting or monitoring program for those measures places on a project to mitigated or avoid adverse effects on the environment (Public Resources Code Section 21081.6). The law states that the reporting or monitoring program shall be designed to ensure compliance during project implementation.

The monitoring program contains the following elements:

- 1. The mitigation measures are recorded with the action and procedure necessary to ensure compliance. In some instances, one action may be used to verify implementation of several mitigation measures.
- 2. A procedure for compliance and verification has been outlined for each action necessary. This procedure designates who will take action, what action will be taken and when, and to whom and when compliance will be reported.
- 3. The program has been designed to be flexible. As monitoring progresses, changes to compliance procedures may be necessary based upon recommendations by those responsible for the program. As changes are made, new monitoring compliance procedures are records will be developed and incorporated into the program.

### Mitigation Monitoring and Responsibilities

As the Leady Agency, the City of Moreno Valley is responsible for ensuring full compliance with the mitigation measures adopted for the proposed project. The City will monitor and report on all mitigation activities. Mitigation measures will be implemented at different stages of development throughout the project. In this regards, the responsibilities for implementation have been assigned to the Applicant, Contractor, or a combination thereof. If during the course of project implementation, any of the mitigation measures identified herein cannot be successfully implemented, the City shall be immediately informed, and the City will then inform any affected responsible agencies. The City, in conjunction with any affected responsible agencies, will then determine if modification to the project is required and/or whether alternative mitigation is appropriate.

**Mitigation Monitoring and Reporting Program Checklist**

**Project: Legacy Park Project (Conditional Use Permit PEN16-0094 and Tentative Tract Map 36760)**

**Applicant: Mission Pacific Land Company**

**Date: January 18, 2017**

Mitigation Measure No.	Responsible for Monitoring	Monitoring Frequency	Timing of Verification	Method of Verification	Verified Date/Initials	Sanctions for Non-Compliance
<b>Traffic/Transportation</b>						
<b>TR-1:</b> Prior to the issuance of building permits, the Project applicant shall participate in the City's DIF and County TUMF fee programs by paying the requisite fees at the time of building permit, and in addition pay the Project's fair share amount of \$43,497 for improvements at the intersections of Indian Street at Cactus Avenue and Indian Street at Gentian Avenue as identified in Table 1-5 that are consistent with the improvements shown on Table 6-3, or as otherwise agreed to by the City and Project Applicant. Project fair share payment shall only be collected if the City creates a fee program that includes the improvements the fair share contribution is intended to construct.	City of Moreno Valley Transportation Engineering Division and Planning Division	Ongoing during construction	Prior to Building Final	Review of paid DIF invoice and receipt		Withhold Building Final
<b>TR-2:</b> Prior to the final approval of the street improvement plans, traffic signal plans will be required for a new traffic signal located at the intersection of Perris Boulevard and Santiago Drive. Prior to issuance of Certificate of Occupancy, the traffic signal and Perris Boulevard and Santiago Drive shall be completed per the approved plans to the satisfaction of the City Engineer.	City of Moreno Valley Transportation Engineering Division, Land Development and Planning Division	Ongoing during construction	Prior to Building Final	Final Inspection of signal improvements		Withhold Building Final

Attachment: Mitigation Monitoring Program (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL



Mitigation Measure No.	Responsible for Monitoring	Monitoring Frequency	Timing of Verification	Method of Verification	Verified Date/Initials	Sanctions for Non-Compliance
<b>Biological Resources</b>						
<b>BR-1.</b> A qualified biologist will conduct a pre-construction presence/absence survey for burrowing owls within 14 days prior to site disturbance. If burrowing owls are detected onsite, the owls will be relocated/excluded from the site outside of the breeding season following accepted protocols, and subject to the approval of the RCA and wildlife agencies.	City of Moreno Valley Planning Division	Ongoing during grading plan check	Prior to Issuance of a grading permit	Review of and approval of pre-construction survey		Withhold Grading Permit
<b>BR-2.</b> As feasible, vegetation clearing should be conducted outside of the nesting season, which is generally identified as February 1 through September 15. If avoidance of the nesting season is not feasible, then a qualified biologist shall conduct a nesting bird survey within three days prior to any disturbance of the site, including disking, demolition activities, and grading. If active nests are identified, the biologist shall establish suitable buffers around the nests, and the buffer areas shall be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests.	City of Moreno Valley Planning Division	Ongoing during grading plan check	Prior to Issuance of a grading permit	Review of and approval of survey		Withhold Grading Permit
<b>Mitigation Measure No.</b>	<b>Responsible for Monitoring</b>	<b>Monitoring Frequency</b>	<b>Timing of Verification</b>	<b>Method of Verification</b>	<b>Verified Date/Initials</b>	<b>Sanctions for Non-Compliance</b>
<b>Cultural Resources</b>						
<b>CR-1:</b> Prior to the issuance of a grading permit, the Project Applicant shall provide evidence to the City of Moreno Valley that a professional archaeological monitor has been retained by the Applicant to conduct monitoring of all mass grading and trenching activities and that the monitor has the authority to temporarily halt and redirect earthmoving activities in the event that suspected archaeological resources are unearthed during Project construction. The Project archaeologist, with input from the	City of Moreno Valley Land Development Division and Planning Division	Once prior to Grading and during grading and construction operations.	Prior to issuance of Grading Permit	Review of construction documents and on-site inspection		Withhold Grading Permit or Issuance of a Stop Work Order



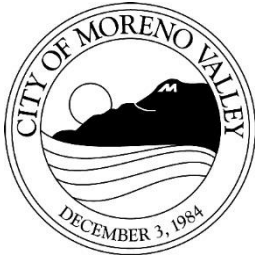
<p>appropriate Tribe, shall prepare a Cultural Resources Monitoring Plan (CRMP) to document protocols for inadvertent finds, to determine potential protection measures from further damage and destruction for any identified archaeological resource(s)/ tribal cultural resources (TCRs), outline the process for monitoring and for completion of the final Phase IV Monitoring Report. If any archaeological and/or TCRs are identified during monitoring, these will also be documented and addressed per standard archaeological protocols in the Phase IV report, with the exception of human remains which will be addressed per CUL-5. The Project Archaeologist shall attend the pregrading meeting with the City and contractors to explain and coordinate the requirements of the monitoring program.</p>						
<p><b>CR-2:</b> At least 30 days prior to the issuance of a grading permit, the Applicant shall contact the appropriate Luiseño tribe to develop a Cultural Resources Treatment Agreement and shall provide evidence to the City of Moreno Valley that the professionally qualified Luiseño Native American monitor(s) has been secured from the interested tribe(s), and that the monitor shall be allowed to monitor all mass grading and trenching activities. The Tribal representative(s) shall attend the pregrading meeting with the City and contractors to explain and coordinate the requirements of the monitoring program.</p>	<p>City of Moreno Valley Land Development Division and Planning Division</p>	<p>Once prior to Grading and during grading and construction operations.</p>	<p>Prior to issuance of Grading Permit</p>	<p>Review of construction documents and on-site inspection</p>		<p>Withhold Grading Permit or Issuance of a Stop Work Order</p>
<p><b>CR-3:</b> If, during mass grading and trenching activities, the Archaeologist or Tribal representatives suspect that an archaeological resource and/or TCR may have been unearthed, the monitor identifying the potential resources, in consultation with the other monitor as appropriate, shall immediately halt and redirect grading operations in a 100-foot radius around the find to allow identification</p>	<p>City of Moreno Valley Land Development Division and Planning Division</p>	<p>Once prior to Grading and during grading and construction operations</p>	<p>Prior to issuance of Grading Permit</p>	<p>Review of construction documents and on-site inspection</p>		<p>Withhold Grading Permit or Issuance of a Stop Work Order</p>

<p>and evaluation of the suspected resource. The Native American monitor(s) or appropriate representative(s) and the archaeological monitor shall evaluate the suspected resource and make a determination of significance pursuant to California Public Resources Code Section 21083.2. The archaeological monitor and tribal monitor(s) or appropriate representative(s), the Project Applicant, and the City Planning Division shall confer regarding mitigation of the discovered resource(s). All sacred sites, should they be encountered within the Project area, shall be avoided and preserved as the preferred mitigation, if feasible.</p>						
<p><b>CR-4:</b> Prior to grading permit issuance, the City shall verify that the following note is included on the Grading Plan:  "If any suspected archaeological resources are discovered during ground-disturbing activities and the archaeological monitor or Tribal representatives are not present, the construction supervisor is obligated to halt work in a 100-foot radius around the find and call the project archaeologist and the Tribal representatives to the site to assess the significance of the find."</p>	<p>City of Moreno Valley Land Development Division and Planning Division</p>	<p>Once prior to Grading and during grading and construction operations</p>	<p>Prior to issuance of Grading Permit</p>	<p>Review of construction documents and on-site inspection</p>		<p>Withhold Grading Permit or Issuance of a Stop Work Order</p>
<p><b>CR-5:</b> If human remains are encountered, California Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the Riverside County Coroner has made the necessary findings as to origin. Further, pursuant to California Public Resources Code Section 5097.98(b), remains shall be left in place and free from disturbance until a final decision as to the treatment and disposition has been made by the Coroner. If the Riverside County Coroner determines the remains to be Native American, the California Native American Heritage Commission must be contacted within 24 hours. The Native American Heritage Commission must then</p>	<p>City of Moreno Valley Land Development Division and Planning Division</p>	<p>Once prior to Grading and during grading and construction operations</p>	<p>Prior to issuance of Grading Permit</p>	<p>Review of construction documents and on-site inspection</p>		<p>Withhold Grading Permit or Issuance of a Stop Work Order</p>

<p>immediately notify the “most likely descendant(s)” of receiving notification of the discovery. The most likely descendant(s) shall then make recommendations within 48 hours, and engage in consultations concerning the treatment of the remains as provided in Public Resources Code §5097.98.</p>						
<p><b>CR-6:</b> Prior to construction involving excavation four feet or more below existing surface grade, the construction contractor shall provide evidence that a qualified paleontologist has been retained, and that the paleontologist(s) shall be present during all grading and other significant ground-disturbing activities that reach four feet or more below existing surface grade. In the event fossiliferous deposits are encountered, the following measures shall be implemented:</p> <ul style="list-style-type: none"> <li>Monitoring shall be conducted by qualified paleontological monitor(s) of excavation in areas identified as likely to contain paleontological resources, including very old alluvial fan deposits. Paleontological monitors shall be equipped to salvage fossils as they are unearthed, to avoid construction delays, and to remove samples of sediments that are likely to contain the remains of small fossil invertebrates and vertebrates. Monitors shall be empowered to temporarily halt or divert equipment to allow removal of abundant or large specimens. Monitoring may be reduced if the potentially fossiliferous units are determined upon exposure and examination by qualified paleontological personnel to have low potential to contain fossil resources.</li> </ul>	<p>City of Moreno Valley Land Development Division and Planning Division</p>	<p>Once prior to Grading and during grading and construction operations</p>	<p>Prior to issuance of Grading Permit</p>	<p>Review of construction documents and on-site inspection</p>		<p>Withhold Grading Permit or Issuance of a Stop Work Order</p>

<ul style="list-style-type: none"><li>• Paleontological monitoring of any earthmoving will be conducted by a monitor, under direct guidance of a qualified paleontologist. Earthmoving in areas of the parcel where previously undisturbed sediments are buried, but not otherwise disturbed, will not be monitored.</li><li>• If too few fossil remains are found after 50 percent of the planned-for earthmoving has been completed, monitoring can be reduced or discontinued in those areas at the Project paleontologist's direction.</li><li>• Preparation of recovered specimens to a point of identification and permanent preservation, including washing of sediments to recover small invertebrates and vertebrates.</li><li>• Identification and curation of specimens into a professional, fully accredited museum repository with permanent retrievable storage. The paleontologist must have a written repository agreement in hand prior to the initiation of mitigation activities.</li><li>• Preparation or a report of findings with and appended itemized inventory of specimens. The report and inventory, when submitted to the city along with confirmation of the curation of recovered of recovered specimens into an established, accredited museum repository, will signify completion of the program to mitigate impacts to paleontological resources.</li></ul>						
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Mitigation Measure No.	Responsible for Monitoring	Monitoring Frequency	Timing of Verification	Method of Verification	Verified Date/Initials	Sanctions for Non-Compliance
<b>Noise</b>						
<p><b>N-1:</b> Construction activities shall be operated in a manner that limits noise impacts on surrounding uses (General Plan Policy 6.5.2). In order to limit noise impacts on surrounding property, the construction contractor will ensure the following:</p> <ul style="list-style-type: none"> <li>• All construction equipment powered by gasoline or diesel engines will be required to have sound-control devices at least as effective as those originally provided by the manufacturer; no equipment will be permitted to have an unmuffled exhaust.</li> <li>• Mobile noise-generating equipment and machinery will be shut off when not in use;</li> <li>• Construction vehicles assessing the site will be required to use the shortest possible route to and from local freeways, provided the routes do not expose additional receptors to noise</li> </ul>	City of Moreno Valley Engineering and Building and Safety Planning Division	Once prior to Grading and during grading and construction operations.	Prior to issuance of Grading Permit	Review of construction documents and on-site inspection		Withhold Grading Permit or Issuance of a Stop Work Order
<p><b>N-2:</b> The staging of construction equipment and the construction trailer shall be placed as far as possible from the existing single-family residences located to the west and south and the schools to the south.</p>	City of Moreno Valley Engineering and Building and Safety Planning Division	Once prior to Grading and during grading and construction operations.	Prior to issuance of Grading Permit	Review of construction documents and on-site inspection		Withhold Grading Permit or Issuance of a Stop Work Order



## PLANNING COMMISSION STAFF REPORT

Meeting Date: January 26, 2017

### LEGACY PARK PROJECT

Case: PEN16-0092 (PA16-0018) – General Plan Amendment  
 PEN16-0093 (PA16-0019) – Zone Change  
 PEN16-0094 (PA14-0052) – Conditional Use Permit  
 PEN16-0095 (PA14-0052) – Tentative Tract Map 36760

Applicant: Mission Pacific Land Company

Owner: MPLC Legacy 75 Associates, LP

Representative: Rick Engineering Company

Location: Southeast corner of Indian Street and Gention Avenue

Case Planner: Jeff Bradshaw

Council District: 4

### SUMMARY

The Mission Pacific Land Company, has proposed The Legacy Park project to develop a 221 single family residential lot Planned Unit Development on approximately 53 acres at the southeast corner of Indian Street and Gention Avenue and on the west side of the California Aqueduct. The project as proposed requires legislative actions by the City Council for a General Plan Amendment and Zone Change in order to change the land use and zoning designation for the 15 acre western portion of the project site from Residential 30 (R30) to Residential 5 (R5). In addition, the applicant is seeking approval of a Tentative Tract Map and Conditional Use Permit to allow for the Planned Unit Development, which set out the neighborhood design, lot configurations, park and open space, and design guidelines.

### PROJECT DESCRIPTION



The Legacy Park project proposes to develop a 221 unit single family residential lot Planned Unit Development on approximately 53 vacant acres at the southeast corner of Indian Street and Gentian Avenue. Current zoning on the project site is a mix of R30 and R5 zoning. The proposed project will result in an overall density of 4.17 dwelling units per gross acre. In order to achieve the desired product type and density, the project requires a General Plan Amendment and Zone Change to convert the present R30 zoning on the western 15 acre portion of the project area to R5 to match the current zoning on the remainder of the project area, and requires a Conditional Use Permit to allow for the flexibility afforded in the City Municipal Code for Planned Unit Developments (MC Section 9.03.060). The Tentative Tract Map serves as the instrument to subdivide the property into the intended lot configurations and infrastructure systems needed.

## **Project**

### **General Plan Amendment/Zone Change**

The project site is comprised of three Assessor's Parcel Numbers totaling 53 acres. Assessor's Parcel Numbers 485-220-023 and 485-220-032 (collectively approximately 38 acres) making up the eastern portion of the project area are currently designated R5 on the General Plan Land Use map, and zoned R5 in the City Zoning Atlas. Assessor's Parcel Number 485-220-040 (approximately 15 acres) makes up the western portion of the project area and is currently zoned R30 in the City Zoning Atlas.

Properties to the west and northwest of the project area have a General Plan land use designation of R10 and Zoning designation of RS-10. The properties to the north of the project area have both a General Plan land use designation and Zoning designation of R5. Properties south of the project area have General Plan land use and Zoning designations as R30 and Public (P). The property east of the project area has a General Plan land use and Zoning designation as Commercial and Community Commercial respectively.

The applicant proposes to change the General Plan designation for approximately 15 acres of the site from Residential 30 (maximum of 30 dwelling units acre) to Residential 5 (maximum of five dwelling units per acre) and the zoning district from R30 to R5. This allows for the entire site to be developed as a lower density high quality planned community through application for a Planned Unit Development (PUD), which PUD would be governed with well-developed design guidelines that ensure opportunity for greater innovation in housing products and unique development standards not otherwise available within the typical underlying zoning regulations.

The 15 acre portion of the project site was previously designated R5 and was changed to R30 in 2013 as part of an effort by the City to meet its 2008-2014 State-mandated Regional Housing Needs Assessment (RHNA) numbers, as well as provide a wider range of housing choices for the burgeoning Moreno Valley workforce. Other areas

within the City were also changed at that time to R30 along Alessandro Boulevard at Day Street, Alessandro Boulevard at Elsworth Street, Alessandro Boulevard and Morrison Street and Perris Boulevard at Iris Avenue. Additionally, there have been individual projects that have established R30 designations on a per project basis.

Staff has examined the proposed change and determined that there is a sufficient inventory of R 30 designated land within the City of Moreno Valley so that the modification of the 15 acres of R30 land to R5 will not place the City in jeopardy of maintaining zoning areas to satisfy State-mandated Regional Housing Needs Assessment (RHNA) numbers.

### Conditional Use Permit

Municipal Code Section 9.03.060 requires that a Conditional Use Permit be approved for all Planned Unit Developments (PUD). One of the stated purposes of the PUD is to provide greater innovation in housing development and greater diversity of housing choices than would otherwise be possible with strict application of the underlying site development regulations contained in Title 9 of the Municipal Code. Planned unit developments may deviate from the site development standards of the applicable zoning district regarding lot area, lot dimensions, lot coverage, setbacks, and building height. Any such deviation(s) must be to the minimum degree necessary to achieve one or more of the stated purposes of the PUD section.

The PUD for the Legacy Park project application will establish minimum lot sizes of 4,000 and 5,000 square feet. Seventy-six of the lots fall within the 4,000 square foot minimum, and based on the current layout have an average lot size of 4,848 square feet. One-hundred and forty-five lots fall within the 5,000 square foot minimum, and based on the current layout have an average lot size of 6,291 square feet. As a whole, based on the layout and lot mix the overall average lot size calculates out to approximately 5,800 square feet as compared to the 7,200 square feet typically required in R5 zone property. The PUD guidelines further establish unique development standards along with architectural guidelines for development of a 221 lot planned residential community. The Design Guidelines for the project as proposed outline the specific and desired site development standards, architectural styles of the buildings, and criteria for community walls, fences and landscape, including hardscape and common area elements.

The following development standards are proposed for this PUD:

### Legacy Park Standards

Minimum Lot Size	4,000 SF	5,000 SF
Number of Plans	3	4
Number of Homes	76	145
Number of Elevations	3	4
Min. Lot Width (at setback line)	50'	50'

Min. Lot Depth*	80'	100'
Typical House Width	40'	40'
Max. Building height	2-story or 35'	2-story or 35'
Front Setbacks		
Street-facing Garage**	18'	18'
Two-story Living Space	12'	12'
Single-story Living Space	10'	10'
Porch***/ Portico	4'	4'
Rear Setbacks****		
Two-story Living Space	10'	15'
Two-story Deck	10'	15'
Single-story Living Space	5'	10'
California Rooms (has up to 3 sides)	5'	10'
Patio Cover or Trellis	5'	10'
Side Setbacks		
Typical Condition	5'	5'
Side Street	10'	10'
Min. Distance Between Living Spaces	10'	10'
Max. Coverage (including garage)	50%	50%
Note: All setbacks are considered minimums as measured from the right-of-way.		
*Except at knuckles and cul-de-sacs.		
**Garages shall be 20' along D Street and L Street.		
***Minimum porch depth shall be 6'.		
****Rear setbacks measured from lot line not landscaped easement.		

Amenities unique to the PUD include pocket parks, landscape paseos, trail connections to the adjacent Juan Bautista de Anza trail, decorative treatment in Street L at major intersections, and a median in Street L at Gentian.

The project as designed and conditioned satisfies the requirements for a PUD as set forth in Municipal Code Section 9.03.060. Findings in support of the Conditional Use Permit for the PUD have been prepared in Resolution 2017-10 attached to this staff report.

### Tentative Tract Map 36760

Tentative Tract Map 36760 proposes to subdivide the 53 acres into 221 single family residential tract lots with additional lettered lots for basins for storm water/water quality treatment, a segment of the Juan Bautista de Anza trail over the California Aqueduct, public streets, pocket parks, and a 2.0 acres neighborhood park site.

Consistent with City General Plan Policies 4.2.1 and 4.2.14 the City's Master Plan of Trails and the Master Plan of Parks, this project has been conditioned to construct and then convey to the City a segment of the Juan Bautista De Anza trail within the adjacent California Aqueduct easement and to construct and convey to the City a public park of approximately 2.0 acres in size with numerous amenities. These amenities include play

equipment, a picnic shelter, a gazebo, large group barbeques, concrete picnic tables and benches, concrete waste/recycle containers; drinking fountains, walkway security lighting, decorative concrete walkways, and a decomposed granite walking path.

In addition, a condition of approval has been crafted and include in Exhibit A to the project Resolution requiring a four-foot (4') high tubular steel fence be erected surrounding the park. The developer participated in discussions with City staff regarding the design of the public park including this requirement for perimeter fencing and there are still some interests with respect to accessibility, appearance, connectivity and compatibility with the residential neighborhood being weighed against the safety and security interests that are the present key drivers for fencing. Fencing of the park is an interest we feel warrants particular attention and discussion by the Planning Commission. Design input and consideration could include suggestions on adjustments to the conceptual park design layout, enhanced flow into and around the park with the neighborhood, removal of visual and physical barriers, right-sizing fencing, thoughts on landscape elements that can meet safety and security interests, and ideas to bring the park out to the street so to speak to activate it, draw people, ensure good visibility, thereby making it a defensible space.

The proposed subdivision has been designed for consistency with the City's R5 zone and with the proposed development standards of the Legacy Park PUD.

### **Site**

The project site is located at the southeast corner of Indian Street and Gention Avenue and on the west side of the California Aqueduct. The site totals approximately 53 acres with mostly flat topography. The project site is comprised of three parcels and is mostly rectangular in shape with a triangular shaped parcel located along the California Aqueduct. The California Aqueduct runs along the site's eastern property line in a diagonal northwest/southeast alignment.

There is no sensitive habitat or riparian area within the project site and no rock outcroppings, trees or historic structures.

### **Surrounding Area**

The project site is bounded by existing single-family tract homes to the west and northwest in an RS-10, a zone that allows for minimum lot sizes of 4,500 square feet. The property immediate to the north is zoned R5 and has been subdivided with a recorded map, Tract Map 22180. This tract is approved for single-family residential development. Grading for that project is underway. Existing single-family tract homes are located further to the north in an R5 zone. Southwest of the project site are single-family homes in another R5 zone. March Middle School and Rainbow Elementary School are located immediately to the south. Some vacant and some developed land (non-conforming single-family residences) make up the R30 zone located south of the project site's eastern area.

The California Aqueduct borders the property along its eastern property line with vacant Community Commercial zoned property to the east. This commercially zoned site to the east was recently approved for development as a Walmart retail center. Additional existing commercial retail establishments are located southeast of the project area at the intersection of Perris Boulevard and Iris Avenue. The City Corporate Yard is located approximately 1,400 feet to the east across Perris Boulevard. March Air Reserve Base is located approximately three-quarters of a mile to the west of the project site.

### **Access/Parking**

Access to the project site is gained via local streets connecting to Indian Street and Gentian Avenue, as well as along Street L where it connects to the future segment of Santiago Drive and Emma Lane that will connect to Perris Boulevard. The project will be conditioned to complete off-site improvements and extend Santiago Drive to Perris Boulevard. All interior circulation throughout the project will be by public local streets.

The project includes garage parking for the residents. As designed and conditioned, the project satisfies all parking requirements of the City's Municipal Code.

### **Design/Landscaping**

As stated previously, the PUD for this project proposes unique development standards for Tentative Tract Map 36760 including site development standards and architectural requirements to establish consistent and desired architectural styles. The design guidelines also outline criteria for community walls, fences and landscape.

This project, as designed and conditioned and set forth in the PUD guidelines, achieves development objectives of the City General Plan, City Landscape Standards and the Legacy Park Design Guidelines.

### **REVIEW PROCESS**

The project was originally reviewed by the Project Review Staff Committee (PRSC) in October 2014. Modifications were required to the subdivision design and requests were made for required technical studies.

Revised plans were submitted in October 2015, May 2016, September 2016, October 2016, and November 2016. The design of the subdivision evolved as the developer worked with staff to incorporate a neighborhood park and public interior roadways (as opposed to private streets) into the design of the project.

Upon review of final drafts of required technical studies, the tract map, preliminary grading plan, and completion of the Initial Study / Mitigated Negative Declaration in December 2016, a determination was made to schedule this project for a Planning Commission public hearing on January 26, 2017.

## **ENVIRONMENTAL**

An Initial Study was prepared which examined the potential of the proposed project to have an impact on the environment. The Initial Study provides information in support of the findings for a Mitigated Negative Declaration. The proposed project will not have a significant effect on the environment with the implementation of mitigation measures. Studies prepared for this project included an air quality study, greenhouse gas study, traffic study, a cultural resource assessment, a biological assessment, a preliminary hydrology study and a preliminary water quality management plan, and geotechnical studies.

Public notice of the availability of the Initial Study / Mitigated Negative Declaration for public review was published in the newspaper 20 days in advance of the Planning Commission public hearing. The public notification is consistent with the requirements of the California Environmental Quality Act (CEQA) Guidelines.

Based upon the findings and recommendations identified in technical studies prepared for this project and the completed Initial Study, it was determined that mitigation is necessary to reduce potential biological resources and traffic impacts to a less than significant level. No other environmental factors considered were identified to be impacted.

A mitigation monitoring program has been prepared to ensure implementation of the mitigation measures for potential biological resource and traffic impact (see Attachment 8). Additional conditions of approval are incorporated in the program to ensure compliance with City General Plan policies and other standard requirements related to Noise and Cultural Resources.

## **NOTIFICATION**

The public hearing notice for this project was published in the local newspaper on January 6, 2017. Public notice was sent to all property owners of record within 300 feet of the project site on January 12, 2017. The public hearing notice for this project was posted on the project site on January 13, 2017.

As of the date of report preparation, staff has received no phone calls or correspondence in response to the noticing for this project.

## **REVIEW AGENCY COMMENTS**

During the course of the plan review phase of the entitlement processing the following potentially affected reviewing agencies were engaged in the process and all requisite responses and coordination has taken place with no outstanding issues. Where applicable, conditions of approval have been included in the project Resolutions to address concerns from the responding agencies.



<u>Agency</u>	<u>Response Date</u>	<u>Comments</u>
Moreno Valley Utility	September 22, 2014	Will serve notice
Val Verde Unified School District	October 1, 2014	Comment letter
Riverside County Flood Control	November 2, 2015	Comment letter
Airport Land Use Commission	May 10, 2016	Consistency Letter

Furthermore, the City complied with the requirements of State Assembly Bill 52 and State Bill 18 which require notice to Native American tribal groups, and conducted consultation if requested. The City coordinated with all participating Native American tribal groups requesting consultation for this project and has incorporated conditions of approval and mitigation measures as appropriate in the mitigation monitoring program.

**STAFF RECOMMENDATION**

Staff recommends that the Planning Commission:

1. **APPROVE** Resolution No. 2017-08 and thereby **RECOMMEND** that the City Council:
  - **ADOPT** a Mitigated Negative Declaration for General Plan Amendment application PEN16-0092, pursuant to the California Environmental Quality Act (CEQA) Guidelines; and
  - **APPROVE** General Plan Amendment application PEN16-0092 based on the findings contained in this resolution, and as shown on the attachment included as Exhibit A.
  
2. **APPROVE** Resolution No. 2017-09 and thereby **RECOMMEND** that the City Council:
  - **ADOPT** a Mitigated Negative Declaration for Zone Change application PEN16-0093, pursuant to the California Environmental Quality Act (CEQA) Guidelines; and
  - **APPROVE** Zone Change application PEN16-0093 based on the findings contained in this resolution, and as shown on the attachment included as Exhibit A.
  
3. **APPROVE** Resolution No. 2017-10 and thereby **RECOMMEND** that the City Council:
  - **ADOPT** a Mitigated Negative Declaration for Conditional Use Permit application PEN16-0094, pursuant to the California Environmental Quality Act (CEQA) Guidelines; and

Attachment: Planning Commission Staff Report (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF

- **APPROVE** the Mitigation Monitoring and Reporting Program prepared for Conditional Use Permit PEN16-0094 pursuant to the California Environmental Quality Act (CEQA) Guidelines, included as Exhibit A; and
  - **APPROVE** Conditional Use Permit application PEN16-0094 based on the findings contained in this resolution, and subject to the attached conditions of approval included as Exhibit A.
4. **APPROVE** Resolution No. 2017-11 and thereby **RECOMMEND** that the City Council:
- **ADOPT** a Mitigated Negative Declaration for Tentative Tract Map 36760 (PEN16-0095), pursuant to the California Environmental Quality Act (CEQA) Guidelines; and
  - **APPROVE** the Mitigation Monitoring and Reporting Program prepared for Tentative Tract Map 36760 (PEN16-0095) pursuant to the California Environmental Quality Act (CEQA) Guidelines, included as Exhibit A; and
  - **APPROVE** Tentative Tract Map 36760 (PEN16-0095) based on the findings contained in this resolution, and subject to the attached conditions of approval included as Exhibit A.

Prepared by:  
Jeffrey Bradshaw  
Associate Planner

Approved by:  
Allen Brock  
Community Development Director

## **ATTACHMENTS**

1. Public Hearing Notice
2. PC Resolution 2017-08
3. Exhibit A to Resolution 2017-08
4. PC Resolution 2017-09
5. Exhibit A to Resolution 2017-09
6. PC Resolution 2017-10
7. Exhibit A to Resolution 2017-10
8. Exhibit B to Resolution 2017-10
9. PC Resolution 2017-11
10. Exhibit A to Resolution 2017-11
11. Exhibit B to Resolution 2017-11
12. Mitigated Negative Declaration
13. Initial Study Checklist
14. Mitigation Monitoring Program

15. Aerial Photograph
16. Tentative Tract Map 36760 / PUD Exhibit
17. Conceptual Landscape Plan
18. Park Plan
19. Tract 36760 Design Guidelines
20. Air Quality Study
21. Biological Report
22. Cultural Resource Study
23. Geotechnical Study
24. Updated Geotechnical Study
25. Greenhouse Gas Analysis
26. Preliminary Hydrology Study
27. Preliminary Water Quality Management Plan
28. Traffic Study

1 one is the Plot Plan. Both of those decisions are appealable to the City Council.  
2 If any interested party wanted to appeal, there are two separate timeframes  
3 though. I want to make it clear that, if anybody wants to appeal the action on the  
4 Tentative Map, there is a 10-day appeal period. That appeal would be filed to the  
5 Director of Community Development and, if such one is received, it will be  
6 coordinated through the City Clerk for a Hearing within 30 days before the City  
7 Council. If anybody is interested in appealing the Plot Plan, the appeal period is  
8 15 days also submitted through a letter to the Director of Community  
9 Development, and then we will coordinate with the City Clerk to have it on the  
10 Agenda with the City Council within 30 days.

11  
12 **CHAIR LOWELL** – Thank you very much. Sorry, I'm trying to get myself  
13 organized up here. Okay, that moves us on....oh, I heard somebody say take a  
14 break. Anybody want to take a break? Can we take a 5 minute break? What?  
15 Just 5 minutes.

16  
17  
18 **BREAK**

19  
20 **CHAIR LOWELL** – Okay welcome back ladies and gentlemen. Sorry about that  
21 break. I would like to begin with the next item, which is Case PEN16-0092  
22 (formerly PA16-0018) General Plan Amendment; PEN16-0093 (also PA16-0019)  
23 Zone Change; PEN-0094 (PA14-0052), which is a Conditional Use Permit; and  
24 finally PEN16-0095, which was also PA14-0052, Tentative Tract Map 36760.  
25 The Applicant is Mission Pacific Land Company, and the Case Planner is Mr. Jeff  
26 Bradshaw. Do we have a Staff Report on this item?

- 27
- 28
- 29
- 30 3. Case:                                   PEN16-0092 (PA16-0018) - General Plan
- 31    Amendment
- 32    PEN16-0093 (PA16-0019) - Zone Change
- 33    PEN16-0094 (PA14-0052) - Conditional Use Permit
- 34    PEN16-0095 (PA14-0052) Tentative Tract Map 36760
- 35
- 36       Applicant:                           Mission Pacific Land Company
- 37
- 38       Owner:                                MPLC Legacy 75 Associates, LP.
- 39
- 40       Representative:                   Rick Engineering Company
- 41
- 42       Location:                            Southeast corner of Indian Street and Gentian
- 43    Avenue
- 44
- 45       Case Planner:                       Jeff Bradshaw
- 46

1 Council District: 4  
 2  
 3 Proposal: Legacy Park Project  
 4  
 5

### 6 **STAFF RECOMMENDATION**

7  
 8 Staff recommends that the Planning Commission:  
 9

- 10  
 11 1. **APPROVE** Resolution No. 2017-08 and thereby RECOMMEND that the City  
 12 Council:  
 13  
 14 • **ADOPT** a Mitigated Negative Declaration for General Plan Amendment  
 15 application PEN16-0092, pursuant to California Environmental Quality  
 16 Act (CEQA) Guidelines; and  
 17  
 18 • **APPROVE** General Plan Amendment application PEN16-0092 based  
 19 on the findings contained in this resolution, and as shown on the  
 20 attachment included as Exhibit A.  
 21  
 22  
 23 2. **APPROVE** Resolution No. 2017-09 and thereby RECOMMEND that the City  
 24 Council:  
 25  
 26 • **ADOPT** a Mitigated Negative Declaration for Zone Change application  
 27 PEN16-0093, pursuant to the California Environmental Quality Act  
 28 (CEQA) Guidelines; and  
 29  
 30 • **APPROVE** Zone Change application PEN16-0093 based on the  
 31 findings contained in this resolution, and as shown on the attachment  
 32 included as Exhibit A.  
 33  
 34  
 35 3. **APPROVE** Resolution No. 2017-10 and thereby RECOMMEND that the City  
 36 Council:  
 37  
 38 • **ADOPT** a Mitigated Negative Declaration for Conditional Use Permit  
 39 application PEN16-0094, pursuant to the California Environmental  
 40 Quality Act (CEQA) Guidelines; and  
 41  
 42 • **APPROVE** the Mitigated Monitoring and Reporting Program prepared  
 43 for Conditional Use Permit PEN16-0094 pursuant to the California  
 44 Environmental Quality Act (CEQA) Guidelines, included as Exhibit A;  
 45 and  
 46

- 1 • **APPROVE** Conditional Use Permit application PEN16-0094 based on
- 2 the findings contained in this resolution, and subject to the attached
- 3 conditions of approval included as Exhibit A.

4

5

6 4. **APPROVE** Resolution No. 2017-11 and thereby RECOMMEND that the City

7 Council:

- 8
- 9 • **ADOPT** a Mitigated Negative Declaration for Tentative Tract Map
- 10 36760 (PEN16-0095), pursuant to the California Environmental Quality
- 11 Act (CEQA) Guidelines; and
- 12
- 13 • **APPROVE** the Mitigation Monitoring and Reporting Program prepared
- 14 for Tentative Tract Map 36760 (PEN16-0095) pursuant to the
- 15 California Environmental Quality Act (CEQA) Guidelines, included as
- 16 Exhibit A; and
- 17
- 18 • **APPROVE** Tentative Tract Map 36760 (PEN16-0095) based on the
- 19 findings contained in this resolution, and subject to the attached
- 20 conditions of approval included as Exhibit A.
- 21

22

23 **CASE PLANNER JEFF BRADSHAW** – Thank you. Good evening Chair Lowell

24 and Members of the Planning Commission. The Applicant has proposed a

25 project they refer to as the Legacy Park Project. The concept there would be to

26 develop 221 single-family residential lots in a Planned Unit Development on

27 approximately 53 acres located at the southeast corner of Gentian and Indian on

28 the west side of the California Aqueduct. The project, as presented, will require

29 legislative actions by the City Council in their adoption of a General Plan

30 Amendment and Zone Change in order to change the Land Use Designation for

31 the 15 acre portion of the project that’s located on the east side along the

32 Aqueduct. The proposal there would be to change from Residential 30 to

33 Residential 5 or R30 to R5. They are also seeking approval of a Tentative Tract

34 Map and a Conditional Use Permit to create a Planned Unit Development. The

35 Planned Unit Development would guide the neighborhood design, it would

36 establish or guide the lot configurations, create park and open space, and also

37 provide a set of design guidelines for the project. As you noticed, Chair Lowell,

38 the project has two sets of case numbers. The project has been around long

39 enough that it is being tracked under two systems. Ultimately, when the project

40 is approved, we will referring to the PEN numbers as the case numbers for this

41 project.

42

43 **CHAIR LOWELL** – And, for clarification, the PEN stands for Planning

44 Entitlement Number? I’m getting a nod.

45

46 **SENIOR PLANNER CHRIS ORMSBY** – That is correct, yes.



1  
2 **CASE PLANNER JEFF BRADSHAW** – I have also learned something new  
3 then. I didn't know what that was. The design of the project includes some park  
4 amenities and so consistent with General Plan Policies, our City's Master Plan of  
5 Trails and Master Plan of Parks. The project will do two things. One will be to  
6 complete the segment of the Juan Bautista de Anza Trail, which is a trail system  
7 within the California Aqueduct. That will be constructed by the developer and  
8 then conveyed to the City for maintenance. The project is also responsible for  
9 constructing and conveying to the City a 2.8 acre size park, a public park, with  
10 amenities that would include play equipment, a picnic shelter, a gazebo,  
11 barbecues, picnic tables, benches, concrete walkways, and a decomposed  
12 granite walking path through the park. The public park is located on the south  
13 property line of the project site immediately adjacent to some ball fields that were  
14 developed on the middle school site in cooperation with the City. The Planned  
15 Unit Development for this project will establish minimum lot sizes of 4000 and  
16 5000 square feet based on the layout and lot mix of the two conceptual lot sizes.  
17 The average lot size for the whole project would be approximately 5800 square  
18 feet. The Design Guidelines for the project, as proposed, would provide site  
19 development standards. It was establish architectural styles for the future  
20 residential development that would occur there, and they would also provide  
21 criteria for community walls, fences, landscape, some of the hardscape  
22 elements, and also identify the common amenities within the project, which  
23 includes some passive recreation areas, pocket parks, and pathways and paseos  
24 within the project. An initial study was prepared for this project to examine the  
25 potential of this project to have impacts on the environment. The study provides  
26 information in support of and also findings for a Mitigated Negative Declaration  
27 for this project. The result of that initial study is that the project will not have a  
28 significant effect on the environment with the implementation of mitigation. The  
29 technical studies prepared for this project included an Air Quality Study,  
30 Greenhouse Gas Analysis, Traffic Study, Cultural Resource Assessment, a  
31 Biological Assessment, preliminary studies for both hydrology and water quality,  
32 and geotechnical studies. Based on the findings of those technical studies that  
33 were prepared, it was determined mitigation for this project would be necessary  
34 for the categories of biological resources and traffic to reduce impacts to a less  
35 than significant level. There were no other categories in that checklist that  
36 required mitigation. A Mitigation Monitoring Program was prepared for the  
37 project. That's attached in the Staff Report as Attachment 8. It's also attached to  
38 the resolutions for both the Conditional Use Permit and the Map. There are  
39 additional Conditions of Approval that have been incorporated into that  
40 monitoring program to ensure compliance of this project with General Plan  
41 Policies, and those Mitigation Measures relate to noise and cultural resources.  
42 Public Notice for this project was provided in the newspaper 20 days in advance  
43 of the meeting to allow for comment on the Mitigated Negative Declaration.  
44 Notice was also sent to all property owners within 300 feet of the property, and  
45 the site was posted for the hearing. As of this evening, Staff has received no  
46 phone calls or inquiries in response to the noticing efforts of the City. Before you,

1 you should have a memo that is specific to this project. After the Staff Report  
2 was prepared, we had an opportunity to work with the Applicant to discuss the  
3 Conditions of Approval, and there were a number of conditions that Staff felt  
4 would be appropriate to modify. Those modified conditions are referenced within  
5 that memo including modification to one of the Mitigation Measures and so Staff's  
6 recommendation would be to approve the project implementing those revised or  
7 modified Conditions of Approval. There is quite a bit of detail related to this  
8 project, but I know the Agenda is a full Agenda so I was trying to keep my  
9 presentation brief. If there are any details of the project that you would like me to  
10 revisit, I'd be happy to answer any questions for you. With that, Staff would  
11 recommend approval of the project with consideration given to those revised  
12 Conditions of Approval.

13  
14 **CHAIR LOWELL** – Thank you, I had.....

15  
16 **PLANNING OFFICIAL RICK SANDZIMIER** – Just for clarification, Jeff  
17 mentioned a memo that was put on your dais. It is the salmon colored one. We  
18 put a lot of information in your dais this evening, so I just wanted to make sure  
19 you understood that one. The other ones are for the next item. Those are in  
20 white.

21  
22 **CHAIR LOWELL** – I didn't see it in the packet, but the California Aqueduct runs  
23 right next to this project and to the neighboring parcel. Is there any plans.....or  
24 are there any plans to make the California Aqueduct a trail throughout the City?

25  
26 **CASE PLANNER JEFF BRADSHAW** – Yes. That is part of our Master Plan of  
27 Trails and so.....

28  
29 **CHAIR LOWELL** – I didn't....I guess what I was going for was in the conditions,  
30 I didn't see any condition saying they would have to improve a portion of that.

31  
32 **CASE PLANNER JEFF BRADSHAW** – It's in the Park Conditions. So a key  
33 element of this project is their responsibility for completing those improvements.

34  
35 **PLANNING OFFICIAL RICK SANDZIMIER** – If I could, I will just take the liberty  
36 to ask Eric Lewis to give a little bit more information about the Juan Bautista  
37 Trail. It is a very nice jewel within the community. It's being worked on, and  
38 we've got some recent grants. If Eric could just touch on that for a second.

39  
40 **CITY TRAFFIC ENGINEER ERIC LEWIS** – The Juan Bautista Trail,  
41 approximately seven miles, is currently being looked at for its 35% plans for the  
42 alignment of the entire segment. We've also received two grants totaling four  
43 million dollars for the Active Transportation Program to build certain segments,  
44 and we're just kind of building a segment at a time until it's completed. It is one  
45 of the initiatives by the City Council contained in Momentum Moreno Valley to  
46 build the entire segment say within three years.

1  
2 **CHAIR LOWELL** – Thank you very much.

3  
4 **CITY TRAFFIC ENGINEER ERIC LEWIS** – Thank you.

5  
6 **CHAIR LOWELL** – I'd like to, unless we have any questions or clarifications for  
7 Staff, I would like to invite the Applicant up.

8  
9 **APPLICANT JASON KELLER** – Good evening Commissioner, City Staff, and  
10 guests. My name is Jason Keller with Mission Pacific Land Company, the project  
11 applicant. Jeff did a great job of giving you the details and the background of the  
12 project. I just have a few items I would like to elaborate on and just some key  
13 points. Jeff mentioned we're proposing 221 lots as part of a PUD development.  
14 We're looking at having two different neighborhood types, or two different product  
15 types within that, which are the 5000 square foot lots and the 4000 square foot  
16 lots; 145 of the 5000 and 46 of the 4000. Our process to determine this land  
17 plan, we considered the adjacent land uses and lot sizes around the project.  
18 Namely, to the north, we have a project that is under, not us. We sold a project  
19 to a builder that's under construction. Those lots are 7200 square feet. To the  
20 west, there are existing residential communities that are between 4500 and 5000  
21 square foot lot sizes. And then, to the south, we have the March Middle School  
22 and other R30 future developments. And then, to the east, there is the approved  
23 commercial site that is adjacent to the Aqueduct. With the proposed lot sizes of  
24 4000 and 5000 square foot lots, we were looking at trying to create a diversity in  
25 housing product while providing a logical transition of land uses being adjacent to  
26 the higher intensity uses. Namely, the commercial site to the east and the R30  
27 future developments to the south. Jeff mentioned some of the park amenities  
28 that I proposed as part of our plan. I'll just briefly kind of go over a couple of  
29 those. The 2.8 acre neighborhood park, we worked very closely with Parks  
30 Department in coming up with the amenities and design for that at least at this  
31 conceptual level. The 3.5 acre Aqueduct Trail, which you just heard a lot about,  
32 this will be a very nice amenity and also will be a nice buffer between our  
33 proposed residential development and the commercial site to the east. Adjacent  
34 to that, and that'll be integrated as part of the use, will be the 0.85 acre fitness  
35 park that will have direct access from the Aqueduct Trail and be a benefit and be  
36 able to be a good use that ties in. In addition to that, within the internal part of  
37 our project, we have seven open space lots that'll be utilized for passive park  
38 uses, paseo path connections that integrates to the DWR or Aqueduct Trail and  
39 other areas for enhanced landscaping and entry monumentation. Those seven  
40 open space parcels total roughly just under one acre. Some other amenity  
41 features that we are offering that are not necessarily open space or park, we  
42 looked at trying to create some different esthetic feels and looks within the street  
43 sections. We have enhanced parkway landscaping that we're proposing on two  
44 of the major roads within the development, streets D and L. By enhanced  
45 landscaping, I mean a larger or wider landscaped section adjacent to the curb  
46 rather than behind sidewalk so it kind of creates a break between the curb and

1 the sidewalk, and it's wider so it will have an opportunity to do more landscaping  
 2 within that area. L Street provides.....I'm sorry, back to D. Street. With the  
 3 enhanced landscaping there, we're trying to promote a path of travel that extends  
 4 from the southwest corner of the project at Indian. D Street kind of runs north  
 5 and then east through the project and then extends to the paseos so it provides a  
 6 nice connection to the Aqueduct Trail and the Fitness Park. So, with that wider  
 7 section on that side of the street, it will promote a path of travel central to the  
 8 project. Similarly, on L Street, we're doing similar expanded curb adjacent  
 9 parkway landscaping on both sides of the street to create an entry statement and  
 10 an enhanced look the full length of the street and that would be the north/south  
 11 street central to the project. To add to the enhanced look of the residential  
 12 collector at L Street, we have utilized decorative paving at crosswalks and one  
 13 raised crosswalk with decorative paving. These raised crosswalks, or the raised  
 14 crosswalk and the decorative pavement will have contrasting colors to the dark  
 15 asphalt. This will provide a traffic calming effect and to discourage speeding and  
 16 to create a visual impact alerting drivers to pedestrian crossings. And then, just  
 17 as a general overlay, we had the PUD Design Guidelines that provided  
 18 architectural guidelines to promote a high standard of neighborhood design in  
 19 architectural quality. That's about all I have for you for now. I've got a couple of  
 20 members from our consultant team here, so I'll be happy to answer any  
 21 questions you guys may have. Thank you.

22  
 23 **CHAIR LOWELL** – Thank you, Sir. Any questions for the Applicant before he  
 24 sits down? I don't see anybody chomping at the bit. Thank you very much. I  
 25 only see one speaker. Is that accurate?

26  
 27 **SENIOR ADMINISTRATIVE SPECIALIST DARISA VARGAS** – Yes it is.

28  
 29 **CHAIR LOWELL** – Okay, I'd like to open the Public Comments portion of this  
 30 item. This is going to be the last call for anybody wanting to speak on this item.  
 31 Okay, with that said, we have one speaker, Mr. Rafael Brugueras.

32  
 33 **SPEAKER RAFAEL BRUGUERAS** – Good evening Chair, Commissioners,  
 34 Staff, residents, and guests. Once again, like I said in the last case, that I make  
 35 an effort to go to each one of these places and stand.....no. I get out, I go to the  
 36 places, and I get out of my truck. I just don't drive by. I get out and look and step  
 37 on the dirt so you can see the mud on my feet. I do my job to make sure that  
 38 whatever we put in this city does not harm the residents of Moreno Valley. That  
 39 is my first priority and that includes your sons and daughters and your grandkids.  
 40 That's important to me because I have a granddaughter, and I look after her very  
 41 well so I make an effort. So, as I started down the street, down Indian heading  
 42 towards the project, I saw the school. I said uh-oh. What are they going to do on  
 43 this big corner? Because that's important to know what they are going to put  
 44 next to a school. So I drove into the block and I couldn't find the sign, so I made  
 45 my left down the street and I winded up on Heacock. And I said well I must of  
 46 missed it because I'm looking for a small parcel, and I didn't realize it was a 53

1 acre lot or acreage what they wanted to build on. Then, right next to the land,  
 2 there was already development going on. And I said, oh, oh, what are they going  
 3 to build there? Because I finally got to the sign, and I read everything that the  
 4 Applicant mentioned. See, this is what's good about going to the site. This is  
 5 what's good about going to the Agenda, to the packet yourself, so you can read  
 6 for yourself what's going on and what they are bringing to our city so you can  
 7 make an adult decision and an honest one to yourself first. This is what I keep  
 8 telling the city to do, the residents. Go out for yourself. Don't allow others to  
 9 speak for you. Don't do that because you'll miss the opportunity to see how your  
 10 city can grow. I got out, and I saw the 221 houses and, I said to myself, let me  
 11 go to the other side and find out what they are doing. And I spoke to the, I guess  
 12 the general manager that's inside the little trailer, and I got a chance to talk to  
 13 John. He told me they are going to build another 140 houses, and I said that's  
 14 wonderful because that'll accommodate the school, the new Walmart that they  
 15 are building right next to it, and the houses next door. But, residents, I want you  
 16 to think about this, 4000 and 5000 square foot lots. I want you to remember  
 17 those two numbers because they are going to be important in the next case,  
 18 4000 and 5000. Because some people are telling you something wrong about  
 19 the next case.

20  
 21 **CHAIR LOWELL** – Thank you, Mr. Brugueras. Last and final call for speakers.  
 22 Anybody want to speak on this item? Nope? Going once, going twice.....Public  
 23 Comments are closed. Thank you very much. Mr. Keller, would you like to  
 24 respond to anything you've heard so far? No? Okay, thank you. Questions or  
 25 comments before we move to motions?

26  
 27 **COMMISSIONER NICKEL** – Yes.

28  
 29 **CHAIR LOWELL** – Commissioner Nickel.

30  
 31 **COMMISSIONER NICKEL** – I have questions that should probably go to Eric.  
 32 The way I'm seeing this, it looks like on the California Aqueduct, that they are  
 33 doing like little feeders that go directly into that commercial property or so that  
 34 there won't be fencing on that side, on the Walmart side.

35  
 36 **CASE PLANNER JEFF BRADSHAW** – If I could, I'll respond to that.

37  
 38 **COMMISSIONER NICKEL** – Okay, whichever one.

39  
 40 **CASE PLANNER JEFF BRADSHAW** – There will be fencing along the Walmart  
 41 site, except for those instances where there is a dedicated connection into the  
 42 trail.

43  
 44 **COMMISSIONER NICKEL** – Okay, so can you give me an idea of like how  
 45 many? Is it just one?  
 46



1 **CASE PLANNER JEFF BRADSHAW** – That I recall. There is an opening that's  
2 in alignment with the storefront where the future Walmart building would go so it  
3 lines up with that sidewalk access across the front of the store, and I believe  
4 there is a second point of access to the south near Santiago.

5  
6 **COMMISSIONER NICKEL** – So that would be lot 172, 173, and 174 is where  
7 that connector is, right? Okay. My other concern is, is Santiago being  
8 considered to be added to the Master Bikeway Circulation Map? Gentian is on  
9 the Bikeway Map that I have but, with the school site, that public park there, what  
10 type of action is going to be taken on increasing circulation for bikes from the  
11 Aqueduct through the park?

12  
13 **CITY TRAFFIC ENGINEER ERIC LEWIS** – Again, Eric Lewis, City Traffic  
14 Engineer. Santiago would function as a Class 3 bike route. It's basically a two-  
15 lane roadway.

16  
17 **COMMISSIONER NICKEL** – Thank you. I appreciate it.

18  
19 **CHAIR LOWELL** – Commissioner Baker.

20  
21 **COMMISSIONER BAKER** – I have one other question that kind of piggybacks  
22 on that. I assume that trail is going to get extended with that property to the north  
23 they are developing now. Is that correct?

24  
25 **CASE PLANNER JEFF BRADSHAW** – Yes. Jeff Bradshaw with Planning.  
26 That is correct. When tract 22180 to the north is developed, they are responsible  
27 for completing those segments of the trail.

28  
29 **COMMISSIONER BAKER** – Okay, very good. Thank you.

30  
31 **CHAIR LOWELL** – Vice Chair Barnes.

32  
33 **VICE CHAIR BARNES** – I have a question on the street section on Indian.  
34 There's a 10 foot landscape easement along the median that is outside the wall.  
35 That property is privately owned, but it is not usable by the residents, correct?

36  
37 **CASE PLANNER JEFF BRADSHAW** – Correct. It would be considered reverse  
38 frontage parkway and so it'll be developed, planted, initially by the Applicant, by  
39 the developer, to city standard. And then with an easement over that area to  
40 allow city access for maintenance through Special Districts.

41  
42 **VICE CHAIR BARNES** – Alright. Why does the....why do the residents have to  
43 pay that yet have no access or use of it? Can't that be part of the right-of-way on  
44 Indian? What functionally is the difference? Alright, my question was, the 10  
45 foot easement along Indian Avenue that is privately owned but outside the wall,



1 what's the goal of having that privately owned but not useable by the owners of  
2 the internal lot?

3  
4 **CASE PLANNER JEFF BRADSHAW** – Well the....I'll ask maybe Public Works  
5 to respond to the right-of-way portion of that question.

6  
7 **TRAFFIC ENGINEER MICHAEL LLOYD** – Michael Lloyd with Land  
8 Development again. Good evening Chair and Commissioners. With regards to  
9 the right-of-way aspect, our General Plan dictates what our right-of-way widths  
10 are. So, in this case, Indian Street is classified as a minor arterial. On the half-  
11 width section from center line to right-of-way, it is 44 feet. So, anything above  
12 and beyond that, we have to work a separate instrument, which is why we handle  
13 it through the easement so that Special Districts has the opportunity to go in and  
14 maintain it. So, from a purely right-of-way classification that you're eluding to, we  
15 have to abide by the General Plan. And, like I mentioned, the classification is  
16 minor arterial. Does that provide any clarity or?

17  
18 **VICE CHAIR BARNES** – Some. I guess my concern is those people are paying  
19 taxes on property that is outside their wall.

20  
21 **CASE PLANNER JEFF BRADSHAW** – They are, but the intent I think is to  
22 satisfy other sections of our General Plan in that their homes are backing to a  
23 roadway, and the intent is to provide some passing space as a buffer between  
24 the back, the rear of those homes, and provide an esthetic element to the project.  
25 And so the placement of the wall is such that there is space or room for that  
26 landscape to be planted and established.

27  
28 **VICE CHAIR BARNES** – Well I can appreciate the desire for the buffer, it just  
29 doesn't seem that those people should be singled out to pay for it.

30  
31 **CASE PLANNER JEFF BRADSHAW** – This is a standard throughout the City,  
32 so anywhere you see reverse frontage parkway, you're going to see that same  
33 implementation of an easement area outside of the right-of-way in that buffering  
34 landscape.

35  
36 **VICE CHAIR BARNES** – Right. I don't agree with those either.

37  
38 **CASE PLANNER JEFF BRADSHAW** – Understood.

39  
40 **CHAIR LOWELL** – I guess what he was trying to go for is, is there another  
41 mechanism of taking that land away from the owners, configuring it into a single  
42 lot, and dedicating it to the City of the HOA with an easement over it?

43  
44 **PLANNING OFFICIAL RICK SANDZIMIER** – If I may, to go along with Michael  
45 Lloyd. He spelled it out pretty clearly but just, from a Planning standpoint, in  
46 order for the City to acquire right-of-way you have to make a finding, a 65402

1 determination out of the Government Code. And your acquisition of the property  
2 has to be consistent with the General Plan. If our General Plan does not dictate  
3 that we want that on a right-of-way for the road, then we have to come up with  
4 the other instrument that Michael has outlined. That would be one of the other  
5 challenges so I don't know if that helps or not, but there are some requirements  
6 in terms of the way cities can acquire property.

7  
8 **VICE CHAIR BARNES** – So the answer is we can't solve the problem so.....I'm  
9 being sarcastic. I apologize.

10  
11 **CASE PLANNER JEFF BRADSHAW** – The other option is the HOA  
12 maintaining ownership of that area, and those fees would still go back to those  
13 property owners through.....

14  
15 **CHAIR LOWELL** – Yeah, but it would be diversified over the entire tract versus  
16 the few neighbors on the street.

17  
18 **VICE CHAIR BARNES** – That seems a preferable compromise, although not the  
19 best.

20  
21 **PLANNING OFFICIAL RICK SANDZIMIER** – Our Land Development Staff has  
22 a little bit more input.

23  
24 **ASSOCIATE ENGINEER VINCE GIRON** – Yeah, good evening Commissioners.  
25 It would have to be verified, but typically when an easement is dedicated to the  
26 public, or the City in this case, that portion or that area that is dedicated to the  
27 public is not rolled into the square footage or the acreage on the tax bill. I would  
28 have to verify it for this landscape easement but typically the county or the  
29 assessor realizes that the burden is the owners. It is very similar to how this map  
30 or all maps dedicate streets. All the lots are dedicated. They are essentially  
31 easements that are dedicated to the City. The underlying properties go out to the  
32 center line of the street. However, the county or the assessors recognize this as  
33 an owner's easement, if you will, on the properties and they do not include that  
34 right-of-way or easement in this case as part of the assessment that's collected.  
35 The landscaping for that, or actually I should say the assessment for the  
36 landscaped area is collected via a different vehicle mechanism. It is through our  
37 Special Districts balloting that just those property owners would be assessed  
38 those fees in that tract.

39  
40 **VICE CHAIR BARNES** – So you're saying the assessors provided the net  
41 acreage when he calculates the tax not the gross?

42  
43 **ASSOCIATE ENGINEER VINCE GIRON** – That's correct.

44  
45 **VICE CHAIR BARNES** – Okay.  
46

1 **ASSOCIATE ENGINEER VINCE GIRON** – And, once again, I would verify....I  
2 would go....we could look into it and see if this is true for this landscape  
3 easement.

4  
5 **VICE CHAIR BARNES** – Well it's an issue to me and, if it's an amenity to the  
6 tract, I'd prefer as a compromise that the cost be distributed amongst all the  
7 property owners and not just the ones that are giving up the property.

8  
9 **ASSOCIATE ENGINEER VINCE GIRON** – At this time, no.

10  
11 **CHAIR LOWELL** – Does anybody else have any questions or comments?

12  
13 **PLANNING OFFICIAL RICK SANDZIMIER** – I did want to interject a little bit. In  
14 the Staff Report, you may have noticed that the Staff did provide a little  
15 discussion about the fencing around the park site. We have worked with our  
16 Community Service Staff, and I think Jason did a nice job outlining all the  
17 amenities of the development. What we're trying to achieve in the development,  
18 is kind of an open feel. The fencing requirement that is put around the park right  
19 now is at four feet. It provides some security or maybe some safety benefits, but  
20 we're looking into what I call CPTED Principles, crime prevention through  
21 environmental design. We're going to be hopefully getting some training on that  
22 in the near future and, what we're looking for is the other techniques to still  
23 achieve what we're trying to do with that fencing around the parks. We'll still get  
24 the security, but maybe it could provide some additional openness. I only  
25 mention that now because we do have a condition that talks about a four-foot  
26 fence but, if time was to go by before this development relearned other  
27 techniques, I just want to ask the Commission, do you think there's enough  
28 flexibility in that condition that, if we came up with an alternate design and still  
29 achieve that same security or safety objective but without a fence? Maybe it was  
30 to berm it. Maybe it was to do some landscaping or something else, and we  
31 could work with the developer when they are getting closer to the construction  
32 phase. We just think that might be a better fit. The cost of the fence right now is  
33 something that the developer has to incur but, if they don't have to incur that sort  
34 of a cost, maybe it could be spent on some other type of amenity or eliminated  
35 altogether. So I just wanted to see if you had any thoughts or input on that?

36  
37 **CHAIR LOWELL** – Can I ask you which specific condition you're talking about?

38  
39 **PLANNING OFFICIAL RICK SANDZIMIER** – Do you remember the condition  
40 for the fence? While he's looking for that, I hope you're noticing that the last  
41 project, and this project, and we are still to have one more project in front of you.  
42 Staff has been working very hard to make sure that we give you some really  
43 good quality developments, and we're trying to work with these applicants.  
44 Jason and his team have been very good working with us. It has taken a little bit  
45 of time but, to come up with the treatment that they are looking along those two

1 streets, we think those are going to be a real improvement to these kind of  
2 communities so.

3  
4 **COMMISSIONER BAKER** – I got one question on here.

5  
6 **PLANNING OFFICIAL RICK SANDZIMIER** – PCS1A is the condition.

7  
8 **CHAIR LOWELL** – Once again.

9  
10 **PLANNING OFFICIAL RICK SANDZIMIER** – PCS1A, and it's on page 390 of  
11 your packet.

12  
13 **VICE CHAIR BARNES** – Which portion are you saying?

14  
15 **PLANNING OFFICIAL RICK SANDZIMIER** – On page 390 of your packet.....

16  
17 **VICE CHAIR BARNES** – Right.

18  
19 **PLANNING OFFICIAL RICK SANDZIMIER** – It's the bottom paragraph,  
20 paragraph E. It's close to the bottom. The last four lines of that. It talks about a  
21 four-foot high tall wall. The Applicant is not objecting tonight. We've worked with  
22 them. We've worked with the Community Services Staff. I'm just pointing it out  
23 that that's the best we've come up with so far to kind of lead our interest, but we  
24 think there still may be some room as the project gets into design.

25  
26 **CHAIR LOWELL** – Why four foot? Aren't most security fences six foot?

27  
28 **PLANNING OFFICIAL RICK SANDZIMIER** – It's kind of a compromise. What  
29 we're trying to do is, if we put a six foot fence around that park, it then becomes  
30 less inviting and the openness of the development and all the walking elements  
31 that we're trying to get connection to the Aqueduct Trail we're trying to get this  
32 ability for the homeowners to kind of walk around and feel like their in a  
33 neighborhood. It's also right adjacent to the school site, which is not showing up  
34 on the map right here, but the intersection Santiago and Emma Lane is a school  
35 site so you've got this open feeling happening, and we didn't want there to be just  
36 this six foot fence around this what we hope is going to be a really nice amenity  
37 in the development so four foot was the kind of compromise.

38  
39 **VICE CHAIR BARNES** – So it's a security issue?

40  
41 **PLANNING OFFICIAL RICK SANDZIMIER** – It's a security issue. Tony is  
42 here.....

43  
44 **VICE CHAIR BARNES** – That's driving the fence?  
45

1 **PLANNING OFFICIAL RICK SANDZIMIER** – He might be able to add some to  
2 it.

3  
4 **CHAIR LOWELL** – A four-foot fence doesn't really secure anything. The people  
5 that would be hooligans in the park wouldn't really be mindful of a four-foot fence.  
6 They would just hop over it. The people that would be mindful wouldn't do  
7 anything anyways.

8  
9 **PLANNING OFFICIAL RICK SANDZIMIER** – So we recognize that. That's  
10 why.....

11  
12 **CHAIR LOWELL** – That's who'd be going there are midnight to spray paint it.

13  
14 **PLANNING OFFICIAL RICK SANDZIMIER** – That's why we pointed it out, but  
15 we're working on trying to figure out what to do.

16  
17 **CHAIR LOWELL** – The honest citizens that wouldn't do anything nefarious  
18 would respect the four-foot fence, but the people that would do nefarious things  
19 wouldn't care about a four-foot fence.

20  
21 **PLANNING OFFICIAL RICK SANDZIMIER** – The other benefit of a fence, and  
22 Tony probably has much more expertise than this but, if you see on there, there  
23 is kind of a layout for a soccer field. There is enough room there for maybe a  
24 pickup game. The four-foot fence actually kind of keeps the balls from going in to  
25 the street and keeps small children from going out, and it still feels open. There's  
26 some benefits. That's what we were thinking through, but I just wanted to point it  
27 out just to try and get some kind of feedback from you guys.

28  
29 **CHAIR LOWELL** – There's a park up off Sunnymead Ranch area that was wide  
30 open and just recently was fenced in I would say about a year or so ago. And I  
31 think the intent was to keep the burros out of the grass, but it looks like a prison.  
32 It's just a six-foot tall wrought iron black fence. It's just uninviting. It cuts off the  
33 walkway so you can't walk completely in a circle. You have to actually leave the  
34 park to go on the walkway and back, and so I would commend any efforts you  
35 could do to revise the fencing issues. And I think four foot, although isn't going to  
36 keep the criminals out that are going to do horrible things, but I think it's a good  
37 start to secure it for kids and soccer games and whatnot so, as long as it is  
38 somewhat open, I am okay with it. Commissioner Sims.

39  
40 **COMMISSIONER SIMS** – Doesn't the school that's directly to the south going to  
41 have a six-foot fence around it to begin with so isn't the park going to be, by  
42 definition, fenced on the south side? And I guess my followup question would be  
43 is how many of the parks within the city are actually fenced? It almost seems a  
44 little counterintuitive. I thought parks were for everybody to use. I mean there is  
45 a security issue parks. If you fence them, they are really not accessible to the  
46 public.

1  
2 **COMMISSIONER NICKEL** – The one next to Moreno Valley High School, it's  
3 fenced where all the soccer fields are.

4  
5 **CHAIR LOWELL** – Like I said, I think anything you can do to help secure parks  
6 would be great. I live by a park that doesn't have fencing, and it is tagged  
7 regularly. People are trying to light the play structures on fire. They are  
8 destroying things. A fence would be welcome in that situation but, then again, it's  
9 uninviting. So you're kind of, it's a catch 22. You're stuck either way you go.

10  
11 **PLANNING OFFICIAL RICK SANDZIMIER** – And that's why we're trying to  
12 invite....we have a professional consultant that we're looking at bringing in to kind  
13 of start identifying some different techniques maybe it's through, like I said,  
14 landscaping. Maybe it's lighting. Maybe it's just different orientation. We're also,  
15 in our Momentum Moreno Valley Strategic Plan, we've identified an initiative in  
16 there to actually engage the public. So, at some point in the next year or year-  
17 and-a-half, we hope to actually have a session with the residents to talk about  
18 things like maintenance or eyes on the street or neighborhood watch. Different  
19 things to kind of maybe start to deter some of that activity that's been happening  
20 where people take better ownership of their neighborhoods and parks because  
21 we want them to be open and beautiful.

22  
23 **CHAIR LOWELL** – And you said that we're in process of hiring professional  
24 consultants? Is that consultant here?

25  
26 **PLANNING OFFICIAL RICK SANDZIMIER** – That consultant is not here, no. In  
27 our Strategic Plan, the Momentum Moreno Valley, it identifies one initiative for  
28 bringing in a training for our professional staff and then there's another initiative  
29 kind of geared towards helping do some of that training for the neighborhood, for  
30 the community.

31  
32 **CHAIR LOWELL** – Do we want to add any kind of language to Condition  
33 PCS1A that says the four-foot tall fencing or approved equivalent by the City or  
34 some sort of flexibility that should the plans change, or the standards change, to  
35 come up with a better solution before this project gets constructed. We have a  
36 little flexibility to implement that new standard.

37  
38 **PLANNING OFFICIAL RICK SANDZIMIER** – I think your suggested language  
39 or equivalent actually provides that flexibility.

40  
41 **CHAIR LOWELL** – Or City-approved equivalents. Something along those lines.

42  
43 **PLANNING OFFICIAL RICK SANDZIMIER** – I'm just saying or equivalent. I  
44 think.....

45



1 **CHAIR LOWELL** – Well equivalent could be that they so, oh this is our  
2 equivalent, but it gives you the onus of saying yes or no.

3  
4 **PLANNING OFFICIAL RICK SANDZIMIER** – City-approved equivalent. That  
5 helps. Thank you.

6  
7 **CHAIR LOWELL** – Any other questions or comments? Commissioner Baker.

8  
9 **COMMISSIONER BAKER** – On this, for Traffic Engineering, on this salmon  
10 sheet, you've got where Indian and Cactus they've got an assessment of 12,586  
11 at that intersection. How did we come about that? I'm all for it. I just kind of  
12 wondered how that was calculated?

13  
14 **CITY TRAFFIC ENGINEER ERIC LEWIS** – It's a fair share contribution to  
15 improvements, so it's a percentage of traffic that's added to it and so, the  
16 improvements that are needed to mitigate it, they pay a fair share. So there's a  
17 standard formula for calculating it.

18  
19 **COMMISSIONER BAKER** – And the tract north of there is paying their fair share  
20 too, right? I assume. That one that's under construction north of this one?

21  
22 **CITY TRAFFIC ENGINEER ERIC LEWIS** – I couldn't speak to that without  
23 having the conditions in front of me but, yes, that's typical practice.

24  
25 **COMMISSIONER BAKER** – That's the typical deal, okay, very good. Thank  
26 you.

27  
28 **CHAIR LOWELL** – Any other questions or comments? No hands going up.  
29 With that, I'd like to entertain a motion. Would anybody like to make a motion on  
30 this project? Man, nobody's piping up today. I'll make a motion. I beat you to it.  
31 I'd like to make a motion to approve Resolution No. 2017-08 and thereby  
32 recommend that the City....that's a lot.

33  
34 **ASSISTANT CITY ATTORNEY PAUL EARLY** – You can just stop after the  
35 Resolution number.

36  
37 **CHAIR LOWELL** – Can we just stop after the Resolution No. 2017-08 as  
38 amended?

39  
40 **ASSISTANT CITY ATTORNEY PAUL EARLY** – And there's three others.

41  
42 **CHAIR LOWELL** – What was that?

43  
44 **ASSISTANT CITY ATTORNEY PAUL EARLY** – And there's three others as  
45 well.

46

1 **CHAIR LOWELL** – Okay.

2  
3 **ASSISTANT CITY ATTORNEY PAUL EARLY** – A total of four Resolutions.

4  
5 **CHAIR LOWELL** – I would like to make a motion to approve Resolution No.  
6 2017-08, approve Resolution No. 2017-09, approve Resolution No. 2017-10 with  
7 the conditions as amended.

8  
9 **ASSISTANT CITY ATTORNEY PAUL EARLY** – One more.

10  
11 **CHAIR LOWELL** – Oh, I crossed that one out. And approve Resolution No.  
12 2017-11.

13  
14 **ASSISTANT CITY ATTORNEY PAUL EARLY** – As amended by both the sheet  
15 and PCS1A, I believe it was.

16  
17 **CHAIR LOWELL** – As amended by the memorandum dated 1/26/2017 on the  
18 salmon color given to us tonight and the conditions as amended.

19  
20 **ASSISTANT CITY ATTORNEY PAUL EARLY** – And the PCS1A amendment.

21  
22 **CHAIR LOWELL** – And the PCS1A amendment. That was a lot. Does anybody  
23 want to second it? We have a second by Commissioner Nickel. All in favor, all  
24 opposed, any abstentions, cast your votes. All votes cast, going once, going  
25 twice....the motion passes 6-0. Do we have a Staff wrap-up on this Item?

26  
27  
28  
29 Opposed – 0

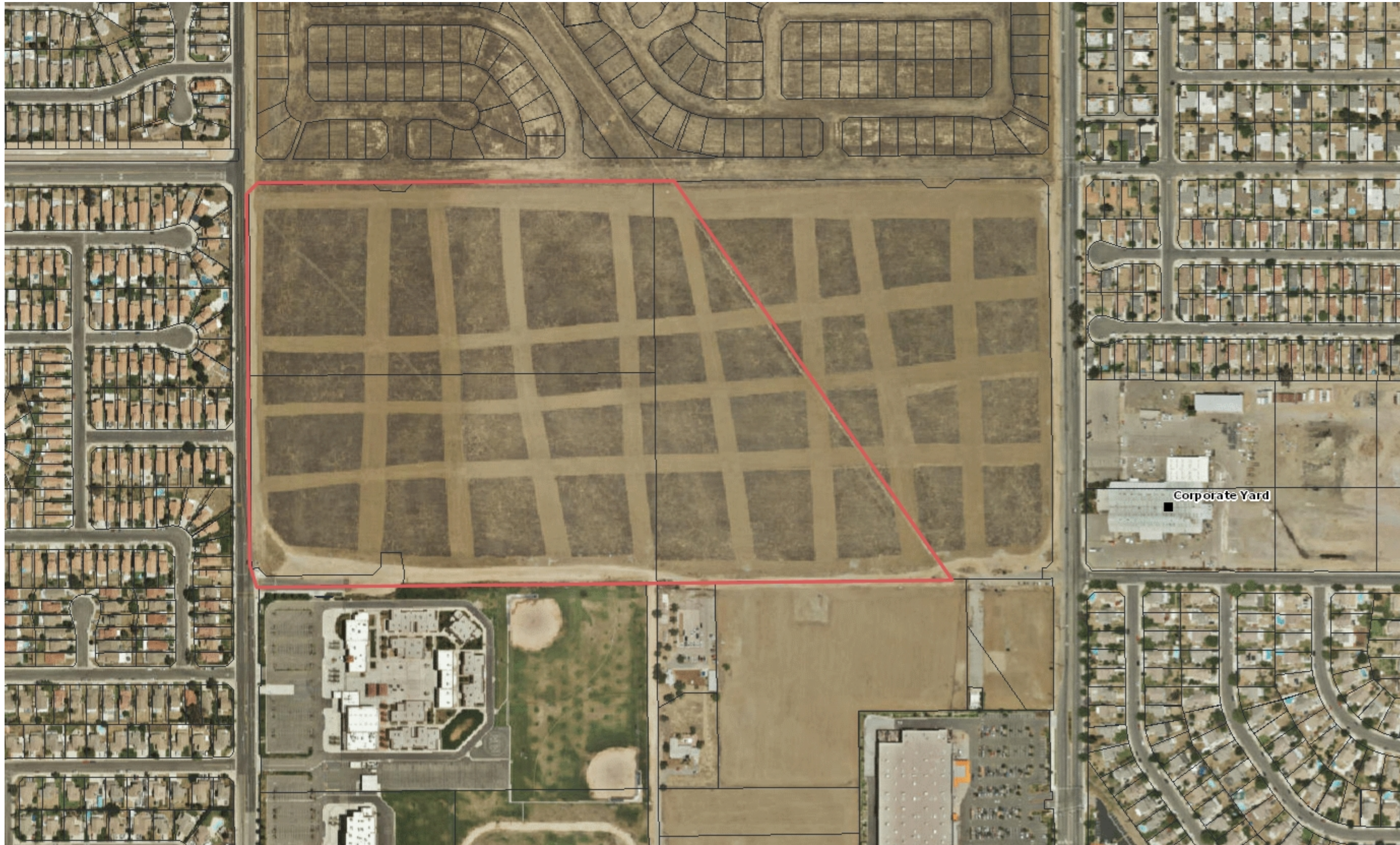
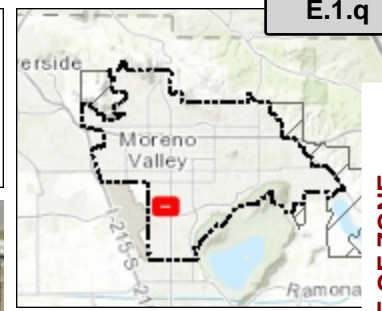
30  
31  
32 **Motion carries 6 – 0**

33  
34  
35 **PLANNING OFFICIAL RICK SANDZIMIER** – Yes. This project requires  
36 legislative action by the City Council so we don't expect there would be any  
37 appeals. It goes to the City Council. That date has not yet been set, but it  
38 should be within the next month or two.

39  
40 **CHAIR LOWELL** – Thank you. I'm assuming, since everybody is still here, this  
41 is the Item that everybody wants to talk to. Unfortunately, I cannot stick around  
42 to hear what's going on. I have a little statement here. Pursuant to Government  
43 Code Section 84308, which disqualifies any Planning Commissioner from  
44 participating in decisions affecting campaign contributions when contributions  
45 exceed \$250 over the past 12 months, I personally have received a campaign  
46 contribution from the Applicant totaling \$1000 over the past 12 months.



# Legacy Park Project



- Legend**
- Public Facilities
    - Public Facilities
    - ★ Fire Stations
  - Parcels
  - ▭ City Boundary
  - ▭ Sphere of Influence

631.0 0 315.48 631.0 Feet

WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere

Print Date: 1/18/2017



*DISCLAIMER: The information shown on this map was compiled from the City of Moreno Valley GIS and Riverside County GIS. The land base and facility information on this map is for display purposes only and should not be relied upon without independent verification as to its accuracy. Riverside County and City of Moreno Valley will not be held responsible for any claims, losses or damages resulting from the use of this map.*

Notes

Attachment: Aerial Photograph (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

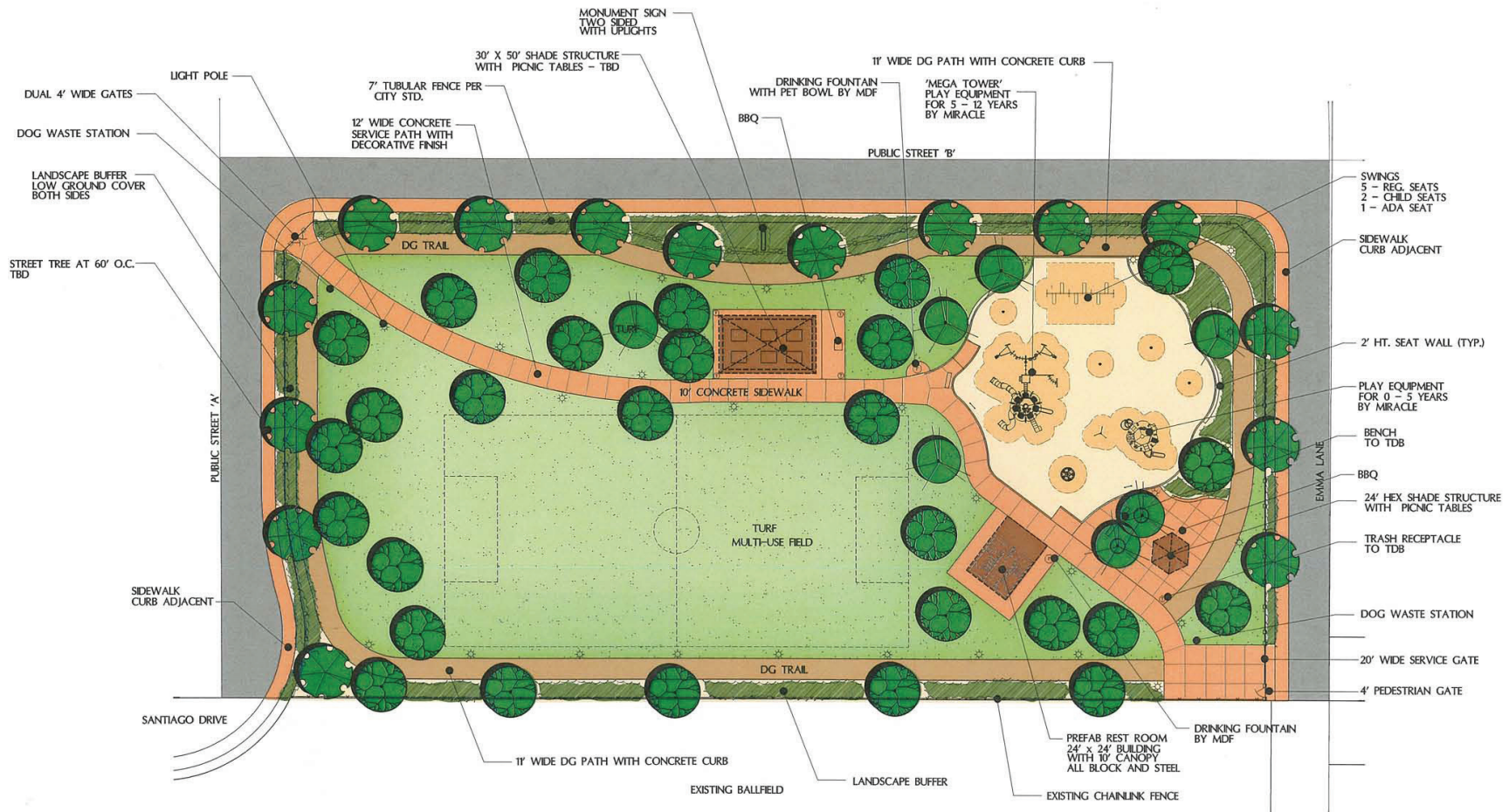












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CITY OF MORENO VALLEY

**LEGACY PARK**  
MORENO VALLEY, California

*Conceptual Park Plan*



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DATE: 4/16/15



# Legacy Park

Planned Unit Development Guidelines  
Draft November 2016



# Legacy Park

## Planned Unit Development Guidelines

Draft November 2016

### Prepared For:

Mission Pacific Land Company  
City of Moreno Valley

### Prepared By:

William Hezmalhalch Architects  
Rick Engineering Company  
Hermann Design Group

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## Purpose

The purpose of the Legacy Park Planned Unit Development guidelines to promote a high standard of neighborhood design and architectural quality; provide innovation and diversity in housing choices, contribute to Moreno Valley open space and recreational facilities and instal storm water control systems. The Legacy Park Plan provides two new City parks one on-site and one off-site fitness park on the adjacent property as well as paseos that connect to the Department of Water Resources (DWR) Juan Bautista De Anza bikeway/trail and the two new retaining basins. The Plan promotes recreational opportunities through the addition of these new facilities. It is further intended that the community be designed to conserve energy and water use.



Figure 1: Illustrative Site Plan

Attachment: Tract 36760 Design Guidelines (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF

## 1.0 Site Planning and Design

This section includes design standards that avoid monotonous, repetitive appearances and that encourage a pleasant, pedestrian-oriented neighborhood environment. Two different lot sizes are provided to increase diversity of home types (Refer to Figure 2: Land Plan).



Legend

- 50x100 Lots (5,000 SF)
- 50x80 Lots (4,000 SF)
- Common Areas
- Basins
- Parks

Figure 2: Land Plan

## 1.1 Standards

Standards for Legacy Park are shown on the table below.

**Table 1: Legacy Park Standards**

Standards		
Minimum Lot Size	4,000 SF	5,000 SF
Number of Homes	76	145
Number of Plans	3	4
Number of Elevations	3	4
Min. Lot Width (at setback line)	50'	50'
Min. Lot Depth*	80'	100'
Typical House Width	40'	40'
Max. Building height	2-story or 35'	
Front Setbacks		
Street-facing Garage**	18'	18'
Two-story Living Space	12'	12'
Single-story Living Space	10'	10'
Porch***/ Portico	4'	4'
Rear Setbacks****		
Two-story Living Space	10'	15'
Two-story Deck	10'	15'
Single-story Living Space	5'	10'
California Rooms (has up to 3 sides)	5'	10'
Patio Cover or Trellis	5'	10'
Side Setbacks		
Typical Condition	5'	5'
Side Street	10'	10'
Min. Distance Between Living Spaces	10'	10'
Max. Coverage (including garage)	50%	50%
Note: All setbacks are considered minimums as measured from the right-of-way.		
*Except at knuckles and cul-de-sacs.		
**Garages shall be 20' along D Street and L Street.		
***Minimum porch depth shall be 6'.		
****Rear setbacks measured from lot line not landscaped easement.		

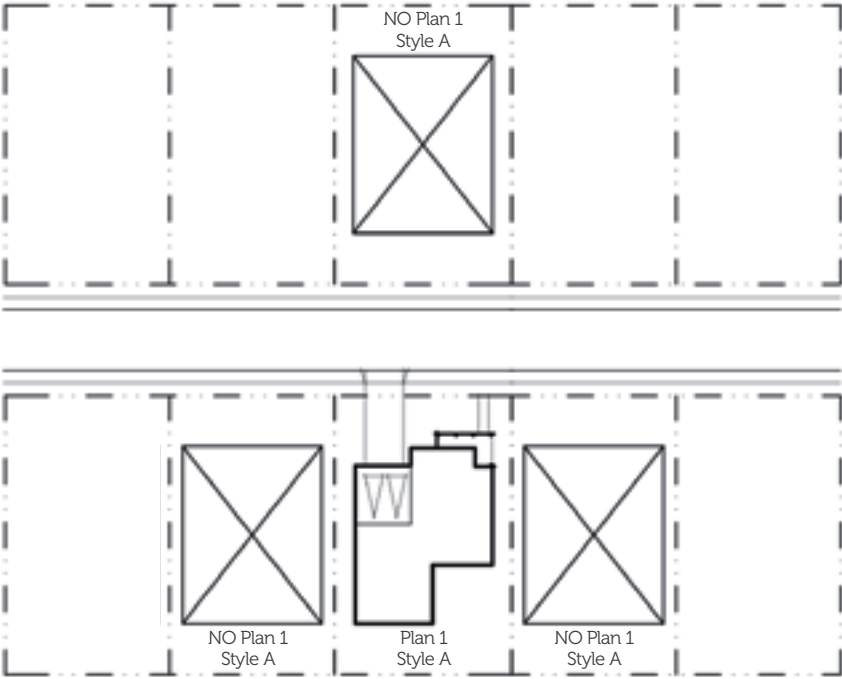


Figure 3: Plan/Elevation Style Plotting Diagram

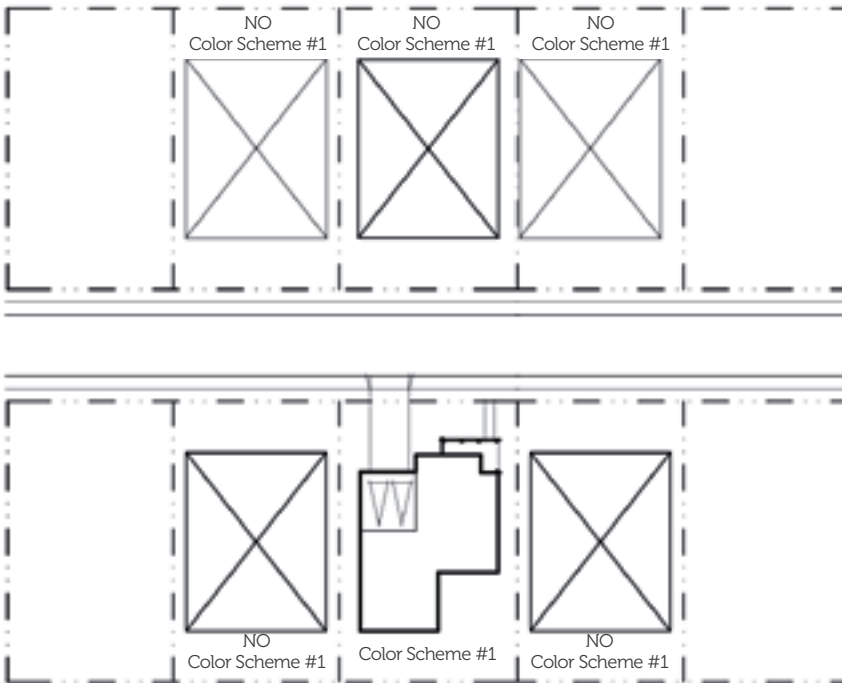


Figure 4: Color Scheme Plotting

## 1.2 Streetscape Diversity

In order to ensure architectural diversity above typical subdivision communities, plans should have variation in floor plans, massing and minor variations in size.

- Plot the minimum required floor plans and elevations from Table 1: Legacy Park Standards.
- Do not use a floor plan consecutively more than two (2) times in a row whether reversed or not.
- Prohibit the same plan and elevation on the lot most directly across from it and on the adjacent lots.
- Prohibit repeat of like color schemes even if on a different plan for the three (3) lots most directly across from it and on the single lot to each side of it.
- Improve opportunities for on-street parking by plotting garages next to garages and living space next to living space.
- Unless a street incline prevents otherwise, a left or right side garage may not be plotted more than 3 times in a row.



### 1.3 Street Activation

The living portions of the home should be the most visually interesting portion of the street scene. Home design should place entries, windows, front porches, covered terraces and living areas directly facing the street on most plan variations. Streetscape composition shall:

- Orient homes toward the street with clearly define entries.
- Provide a direct pedestrian path between the home and the sidewalk.



### 1.3.1 Outdoor Living

Outdoor living spaces, including porches and courtyards, activate the streetscene and promote neighbor interaction. Outdoor living spaces can also create indoor/outdoor environments to enhance livability.

#### A. Porches

Porches are encouraged to add architectural interest to the front of a residential structure. They help add depth to a building façade, break-up large wall masses and provide a pedestrian-friendly scale. The design of the porch shall be consistent with the architectural style. If provided, porches shall be at least 6 feet deep to accommodate seating.

#### B. Front Courtyards

The Spanish and Hacienda styles lend themselves to the use of front courtyards to promote social interaction. A 3½-foot high courtyard wall is permitted in the required front setback, provided there is 5-foot minimum setback from the property line to allow for landscape. The courtyard wall and gate shall have a finish material to match the architectural style, i.e. stucco, stone, wood, etc.

#### C. Entries

The entry shall be articulated as a focal point of the building's front elevation. Entries are encouraged to be covered or recessed in order to create a welcoming appearance, promote individuality and increase privacy. Where residences have front doors that are not visible from the street, an entry element such as a trellis, portal element, or similar architectural feature to identify the entry and a sense of arrival.





## 1.4 Visible Edges

Homes located along the edges of the community impact how residents and visitors view the development. Elevations facing outside edges shall provide the following:

- Main roof span shall have variety between plans (front-to-rear, side-to-side, gables and hipped roofs).
- Single-story alternative massing.
- Significant massing offset(s).
- Compatible color variety consistent with architectural style



Example of Rear Visible Edge

## 1.5 Garage Location and Design

Plot and reverse plans when possible so that garages and/or entries are adjacent to each other. Occasionally, break this pattern so that it will not become overly repetitious or reflect the massing directly across the street.

- Minimum 2-car garage size is 20-foot x 20-foot clear dimension with a 16-foot wide door or two single doors.
- Tandem garages recommended to be 36 feet deep.
- Only a 2-car garage space is permitted to face the street; additional garage spaces may be provided in tandem configurations.

### 1.5.1 Garage Doors

Garage doors are the most impactful feature of the garage. Builders are encouraged to consider the following in the design and selection of garage doors:

- Design garage door patterns consistent with the style of the home.
- Provide different style door patterns .
- Vary the inclusion of window lites.



## 1.6 Corner Lots

Corner lots also have high visibility and are important to design of a quality community. Typically, corner lots are wider to accommodate the side yard setback and allow for side porches. To encourage variety, more than one plan shall be used as a corner plan. Architecture on corner lots shall:

- Provide the same level of architecture as the front elevation
- Provide window details to match on side elevation.
- Create a significant massing offset.
- Where possible, expose  $\frac{1}{3}$  the length of the home.
- Consider wrap around porches, courtyards, or entry doors oriented toward the side street.



## 2.0 Architectural Requirements

The following principles will guide the architecture to ensure quality implementation:

- Use architectural elements and details that reinforce architectural styles.
- Choose appropriate massing, roof forms and colors to define the architectural styles.
- Ensure that plans and styles provide a degree of individual identity while being compatible.

### 2.1 Building Form and Massing

Homes should be broken down into smaller components to reduce the massing volume. This can be achieved through a variety of architectural techniques and treatments such as:

- Varied roof forms, pitches and heights.
- Changes in materials and color.
- Offset first-story and second-story massing.
- Clearly defined entry features.



## 2.2 Materials & Finishes

Specific materials are identified for each architectural style within these Guidelines. The natural colors of clay, wood and slate roof tile are encouraged when using concrete tile formulations.

- Lighter materials should be placed above materials of a heavier weight.
- Use complementary building materials that promote a harmonious appearance and provide interest and variety consistent with the architectural styles.
- Where possible, use style-appropriate concrete roof tile blends; prohibit overly dramatic blends with extreme contrast.

Material finishes should express permanence and quality.

- Create a more solid and permanent appearance with stone or other masonry materials, particularly as accents.
- Install masonry using traditional methods.
- Avoid frequent changes in materials.
- Detail finishes properly with the architectural style.
- Use high-quality, durable, low-maintenance materials.



## 2.2.1 Stucco

Stucco finish should project high quality and be appropriate to the architectural style. Heavy Lace and Spanish Texture stucco finishes are prohibited.

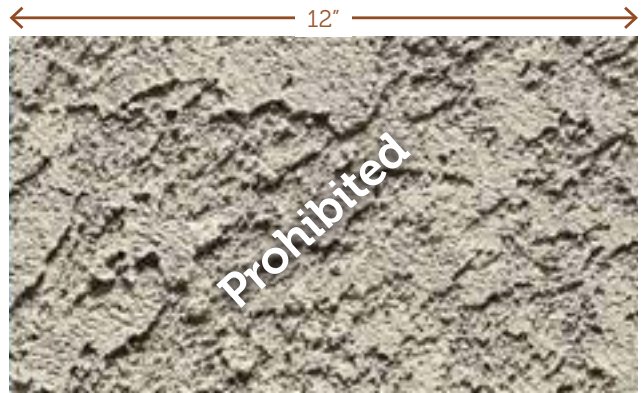
### A. Stucco Details

All stucco trim details (such as window surrounds, window sills, roof eaves, column details, lintels, etc.) must be constructed with a level of precision and accuracy to express the authentic execution of the style.

- Use clean, crisp and smooth stucco details.
- Use a different trim stucco finish from the wall stucco finish.
- No rough, “blob”-like and uneven stucco finish.
- Carefully locate stucco control joints if applicable on elevation designs.



Medium Sand Float (16/20 Aggregate)



Heavy Lace Texture - Prohibited



Fine Sand Float (20/30 Aggregate)



Spanish Texture - Prohibited

Source: Technical Services Information Bureau



### 2.2.2 Veneers

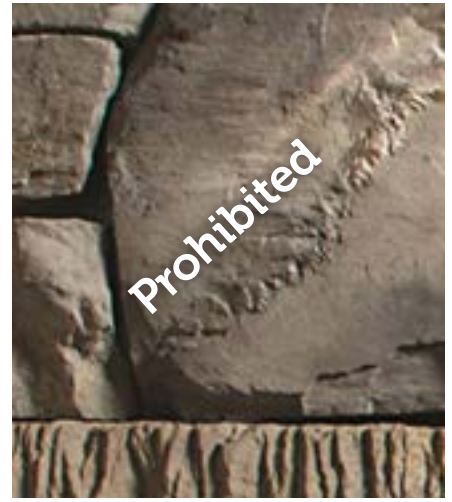
Manufactured stone shall have a texture and color that mimics natural stone and be of exceptional quality. The mortar joint types and colors for each masonry product used should be specified.



Stone with poor application of color example



Unnatural looking stone from a worn out mold with poor detailing example



Unnatural looking stone from an old and deteriorating mold example



Stone corner application example



Stacked stone application example



Grouted stone application example



Veneer close to slab as possible example

### A. Stucco Screed Details

The stucco weep screed at stone or brick adhesively applied veneers should be detailed to be as close to finish grade/finish slab as possible while still maintaining the minimum dimensions required by the building code. Stucco weep screeds that “float” above the finished grade by more than six inches are prohibited.

Sufficient details, notes and specifications should be provided in the construction documents to ensure proper construction in the field.

### B. Material Wrapping

Architectural elements must not end at the corner of a building and shall wrap around the corner and extend to a logical terminus point that is incorporated into the overall architectural design.

Wrap columns, tower elements and pilasters entirely.



Examples of veneers wrapping columns entirely



Example of siding terminating at an inside corner

### 2.2.3 Wood

Wood is a material used in many architectural styles. However, maintenance concerns, a desire for long-term architectural quality and new high-quality manufactured alternative wood materials make use of real wood material less desirable. Where “wood” is referred to in these Guidelines, it can also be interpreted as simulated wood trim with style-appropriate wood texture.

### 2.2.4 Ornamental Details

Use details that appear as functional elements and match the architectural style.

### 2.2.5 Gutters & Downspouts

Integrate gutters and downspouts into the home design when used.

### 2.2.6 Eave Paint

Eave paint shall match the fascia color (spray paint of the wall color on the eaves is prohibited).







Example of prohibited horizontal windows

## 2.3 Windows

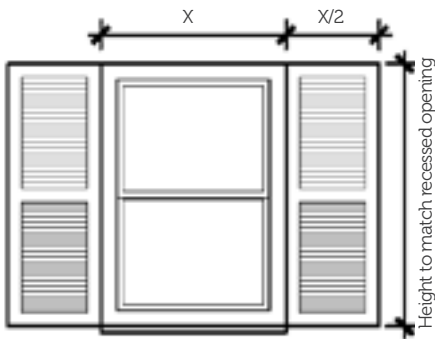
Window details differentiate architectural styles and can provide a high level of architectural enrichment. The selection and proportion of the windows to the façade shall be responsive to the architectural style of the building. Size and shape shall be considered to assure a balanced relationship with the surrounding roof and walls. Accent shutters are a way to further enhance the architecture and shall be proportionate to the window opening. In general, windows shall enhance rather than dominate the overall architectural character.

- No horizontal bathroom windows are permitted.
- Divided lite windows are encouraged and should reflect the architectural style.
- Non street-facing and rear yard windows may delete the divided lites.

### 2.3.1 Shutters

All shutters shall comply with the following:

- Mount shutters on finished wall material; embedded shutters prohibited.
- Match shutter size to the recessed opening window width.
- Use material at least 1.5-inches thick.



Shutter size corresponds to window size



Example of prohibited embedded shutter

## 2.4 Lighting

Appropriate lighting is essential in creating an inviting evening atmosphere for the community. All lighting shall be non-obtrusive.

- Limit all exterior lighting to the minimum necessary for safety.
- Shield all exterior lighting to minimize glare and light spill onto adjacent properties.
- Use exterior entry lights that complement the architectural style.
- Use low voltage lighting whenever possible in common areas.

## 2.5 Mechanical Equipment

Mechanical equipment shall be screened from street view. Mechanical equipment includes:

- HVAC equipment.
- Gas and electric meters.
- Cable/TV panels.
- Pool and spa equipment.
- Exterior landscape/lighting equipment.

## 2.6 Addresses

Addresses must be a minimum of 6 inches high and clearly visible from the nearest emergency vehicle right-of-way.

## 2.7 Solid Waste

Space shall be provided for the refuse storage bins out of view from the street.



Exterior lighting matches architectural style

## 2.8 Gateways & Doors

Main entry doors and gateways should be thoughtfully selected to match the specific style of architecture. Courtyard openings and entries function as a statement for the entire home and add interest to the streetscape. These elements should be treated with detail of equal level.

Gateways shall:

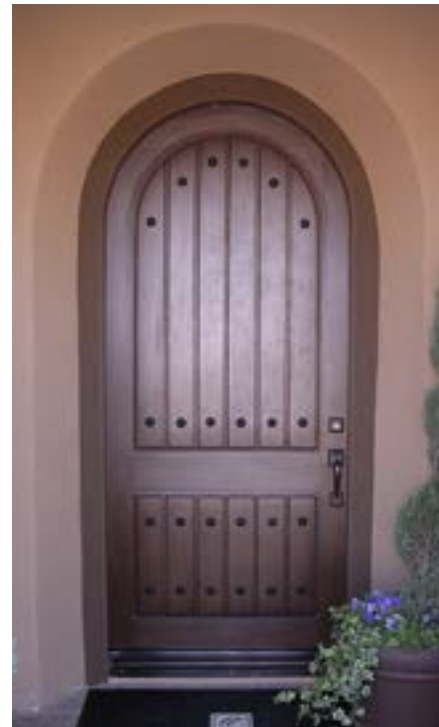
- Match or complement entry and garage doors in character, materials and finish.
- Include decorative iron gates when appropriate to the architectural style.

Entry doors shall:

- Accentuate and announce the main entry of the home.
- Reinforce the style of architecture.

Other doors shall:

- Use architecturally complementary garage and/or utility doors on visible corner-side elevations.
- Only use decorative screen doors with openings concealed in a private courtyard or similar space recessed under a covered roof.



Main entry door matches architectural style



## 2.9 Color

The use of color and materials is an essential ingredient to quality development. Successful application of color and materials improves the character and essence of the community.

The primary goal of color and materials palettes is to further enhance and define the architectural styles within these Guidelines. Equally important is the balance of diversity and harmony; variety of color and materials must be achieved within the context of a harmonious community.

Colors selected should be appropriate to the styles they represent and used to further differentiate from the other styles (i.e. the body color for an Arts & Crafts home should typically be darker than for a Spanish home).

Architectural screens, fences and accessory structures should be compatible in material, color and texture to the main buildings (Refer to Figure 4: Color Scheme Plotting for color plotting requirements).

## 3.0 Architectural Styles

These design guidelines are intended to be flexible and are, therefore, illustrative in nature. It is not the intent of these design guidelines to require that all of the identified design components and elements be incorporated into the actual building designs. Rather, these guidelines serve as a “palette” of character defining elements that can be used in home designs. Builders, along with their architects and planners, are encouraged to utilize creativity and imagination when developing exciting design proposals for Legacy Park.

### 3.1 Design Principles

While these design guidelines do not limit architectural styles, the styles employed should be authentic and distinct. Traditional styles tend to have defining features that should be consistently implemented across the product offering. Additional styles may be proposed however, they must follow the same principles and attention to detail as the specific styles listed here.

By emphasizing authentic styles, these guidelines discourage sameness and monotony. The multi-style streetscene should be diverse as to form, massing, features, windows, front doors, garage doors, materials and colors.

To some extent, resource efficiency should influence architectural styles. The concept of resource efficiency includes reduction of wasteful elements in the design and construction of the house as well as conservation of energy and water during occupancy of the house.



### 3.2 Authentic Adaptations

Recognizable authentic architecture is based on traditional forms, materials and details that reasonably express the heritage of a particular style. Historically derived, or authentically adapted, elevations continue to focus on forms and details, but allow for the integration of modern materials, colors and artistic interpretation to generate a contemporary, yet recognizable, expression of an architectural style. Historically adapted elevations combine these notions into physical reinterpretation of an architectural style.

Authentic adapted elevations should express a recognizable architectural style from the Legacy Park collection of styles but can use artistic design to incorporate new, modern or progressive forms, details and materials in the modern context of architecture. Any of the Legacy Park styles may be expressed as an authentic adapted or historically derived elevation using any, all, or a sampling of elements.



## Arts & Crafts

Arts & Crafts homes can be found nestled in the original town centers of older communities. Stylized by California architects such as Bernard Maybeck in Berkeley and the Greene brothers in Pasadena, the style focuses on exterior elements with tasteful and artful attention. This architecture relies on the simple house tradition, combining hip and gable roof forms with wide, livable porches and broad overhanging eaves.

Extensive built-in elements define this style, treating details such as windows and porches as if they were furniture. The horizontal nature is emphasized by exposed rafter tails and knee braces below broad overhanging eaves and rusticated, textural materials. The overall effect is the creation of a natural, warm and livable home of artful and expressive character.



Details	Standard	Enhancements
Roofs	Side-to-side gable with cross gable Roof pitches 3.5:12 to 8:12 Standard overhangs Exposed rafter tails Deeper rakes Bargeboard at gable end	Extended eaves Shaped rafter tails preferred Outlookers & brackets
Roof Materials	Flat, shake concrete tile	
Wall Materials	Medium sand float stucco finish (16/20) Horizontal siding	Shingle siding OR board & batten OR brick OR stone accents (natural OR painted to match stucco)
Architectural Elements	Porches OR covered OR defined entry	Heavy timber columns, posts & beams
Trim & Details	Appropriately sized columns	Gable end details Tapered OR double-post porch columns on brick OR stone piers
Windows	Vertically proportioned windows Window grids Fully trimmed windows	Grouped windows with continuous head trim Vertical windows at first floor Horizontal windows at 2nd floor along belt course
Doors & Gates	Paneled front entry doors Paneled garage door	Front entry wood & glass doors Garage door with windows



## Farmhouse

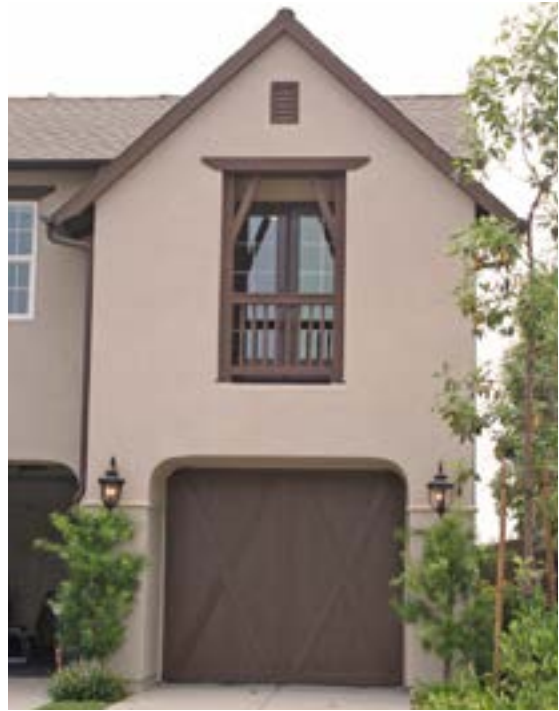
The California Farmhouse blends the country farm home with California sensibilities of outdoor living, earth colors and simple use of materials. Predominant features include large and sometimes wrapping front porch to extend the living space to the outside. This presents a warm welcome to neighbors. Wood columns and railings with cross braces, exposed rafter tails and siding accents give this style a charming appeal.



Details	Standard	Enhancements
Roofs	Clean, asymmetrical gable roof with cross gables Roof pitches 4:12 to 6:12 12" to 18" overhangs at eaves 6" to 12" overhangs at rakes	Dormer roof projections Simple shaped, square OR half round rafter tails Boxed eaves
Roof Materials	Flat tile OR composition roof	
Wall Materials	Stucco: 16/20 finish 30/30 finish at feature elements	Horizontal siding accents Stone accents
Architectural Elements	Simple square post & beam supports at porch	Proportionally large porch at entry Square "wood" columns with brackets, cross braces & railing
Trim & Details	Stucco-wrapped, high density foam trim Exposed eaves & simple square rafter tails	Wall mounted light fixtures at garage door
Windows	Horizontally proportioned windows with divided lites Unifying sill	Plank OR Lazy-Z shutters Balanced header & sill trim Pot shelves
Doors & Gates	Entry doors highlighted by roof element OR porch feature Well-placed & proportional entry light fixture	Rectangular OR arched surrounds (follows door design)

## European Cottage

The European Cottage is a picturesque style that evolved out of medieval Tudor and Norman domestic architecture. The evolving character that resulted in the English “cottage look” became extremely popular with the addition of stone and brick veneer details in the 1920s. Roof pitches are steeper and include gable, hip and half-hip roof forms. The primary exterior stucco is accented with stone and brick bases, veneers and tower elements. Some of the most recognizable features of this style are the accents in the gable end forms and the sculptured swooping walls at the front elevation.



Details	Standard	Enhancements
Roofs	4:12 to 12:12 roof pitches Standard overhangs Gable end details	Dormers Swoop roof
Roof Materials	Flat tile OR composition roof	
Wall Materials	Stucco: 16/20 finish	Stone accent ½ timbering
Architectural Elements	Traditional pediment surround entry Porches OR meaningful entries	Tower Element Bay windows
Trim & Details	Appropriately sized simple columns Plank OR Lazy-Z shutters	Metal details
Windows	Vertically proportioned windows Window grids on upper levels	Dormer windows
Doors & Gates	Paneled entry doors Paneled garage door with windows	



## Italian

In the 1860s, the Italian Villa was one of the fashionable architectural styles in the United States based on the formal and symmetrical palaces of the Italian Renaissance. Italian homes are straightforward and boxy, with only window crowns and cornice moldings as ornamentation. The shallow pitched hipped roof, often with decorative brackets, identifies this style. As it became a popular building material, cast iron expanded the Italian style vocabulary to include a variety of embellished designs for porches, balconies, railings and fences.



Elements	Standards	Enhancements
Roofs	Main hip roof with hip ancillary roofs 1-story shed roofs permitted Roof pitches 3.5:12 to 5:12 Tight to 12-inch overhangs at rakes 12- to 18-inch overhangs at eaves	Closed/shaped eave with corbels at accent elements
Roof Materials	"S" concrete tile	Clay tile
Architectural Elements	Window & door trim	
Wall Materials	Medium sand float stucco finish (16/20)	Brick OR stone accents
Trim & Details	Formal entry with smooth stucco trim Rectangular OR full arch top with fine sand float stucco finish (20/30) OR smooth manufactured foam trim	Metal balconies & pot shelves Simulated precast surrounds, precast trim Simulated precast columns at entry OR between windows Belt course Base trim
Windows	Grid patterned at front & visible windows Trim around front & visible windows Paneled OR louvered shutters on accent window	Round arch top accent windows Symmetrically ordered & stacked windows & openings Recessed windows
Doors & Gates	Paneled front entry doors Paneled garage door	Garage door with windows

## Monterey

Influenced by both the Spanish Colonial and the New England Colonial homes, the Monterey style features Spanish detailing while maintaining the Colonial style form. With its stucco or masonry walls, red barrel, “S” or flat concrete shake roofs, this style exhibits many of the same elements as an historical Spanish home: simple building form and mass, rusticated corbels, head trim, posts or balconies (if used) and gable roof forms. Many successful adaptations of this style focused simply on careful massing, detail and the natural beauty inspired through its blend of rich Spanish and Colonial heritage.



Details	Standard	Enhancements
Roofs	Clean, uncomplicated roof solutions of hips OR gables Roof pitches 4:12 to 5:12 12” to 18” overhangs at eaves Tight rakes Balcony & main roof are same low pitch	Modest projected rafter tails, shaped tails preferred Parapets with barrel tile cap
Roof Materials	Concrete “S” tile OR flat tile	2-piece barrel tile with mud boost on 1st two courses
Wall Materials	Stucco: 16/20 finish 30/30 finish at feature elements Material change at second floor	Brick OR slump block on first floor at main entrance Board & batt OR horizontal siding at upper level
Architectural Elements		Balconies cantilevered OR supported Balconies & railings made of heavy timber wood
Trim & Details	Stucco-wrapped, high density foam trim Closed OR exposed eaves Well-placed & proportional entry light fixture Plank-style shutters on feature windows	Wood OR metal railing Gutter/downspouts exposed & treated as design feature
Windows	Vertically proportioned windows with divided lites	Awnings
Doors & Gates	Rectangular OR arched surrounds (follows door design)	Entry located under covered balcony

## Spanish

The Spanish style attained wide-spread popularity after the Panama-California exposition of 1914 in San Diego. The Spanish style's most notable characteristics include the use of "S" or barrel tile roofs, stucco walls, feature entry doors and porticos, highlighted ornamental iron work and carefully proportioned windows appropriate to its wall mass.

Key features of this style were adapted to the California lifestyle. Plans were informally organized around a courtyard with the front elevation very simply articulated and detailed. The charm of this style lies in the directness, adaptability and contrasts of materials and textures.



Elements	Standards	Enhancements
Roofs	Hip OR gable roofs Roof pitches 3½:12 to 5:12 Tight to 18" overhangs at eaves Tight to 12" overhangs at rakes	Rafter tails, shaped tails preferred Parapets with barrel tile caps
Roof Materials	Concrete "S" tile	2-piece barrel clay tile Boosted tile (25%) Stacked tile on 1st two courses Mudded bird stops
Wall Materials	Medium sand float stucco finish (16/20)	Decorative ceramic tile OR brick accents
Architectural Elements		Porches, balconies OR verandas
Trim & Details	Stucco-wrapped, high density foam trim with fine sand float stucco finish (20/20) Closed OR exposed eaves Gable end details Decorative metal Well-placed & proportional entry light fixtures	Wall mounted light fixtures at garage door
Windows	Vertically proportioned windows with divided lites	Fabric awnings
Doors & Gates	Front entry doors without a porch, deeply recessed from front facade	Rectangular OR arched surrounds (following door design)



## Traditional

The American Traditional style is a combination of the early English and Dutch houses found on the Atlantic coast. Their origins were adaptations of Adams and other classical styles. Details from these original styles are loosely combined in many examples. Current interpretations have maintained the simple elegance of the early prototypes with added refinements and new design details. Another identifying feature of this style is the monumented entry with decorative crown (pediment) supported by pilasters or columns projecting forward of the otherwise flat facade to form an entry.



Elements	Standards	Enhancements
Roofs	Roof pitches 3:12 to 8:12 18" to 24" overhang at eaves & rakes Exposed rafter tails	Standing seam metal roof accents Cornice emphasized by dentils OR decorative molding
Roof Materials	Flat concrete shake tile OR flat concrete slate tile OR high definition asphalt shingles	
Wall Materials	Medium sand float stucco finish (16/20) Re-sawn wood siding accents	Wood siding Board & batt OR groove joint Brick
Architectural Elements	Entry feature with traditional pediments & substantial portico stoop OR surround	Front porches
Trim & Details	Head & sill trim shall consist of one of the following materials & be of proper proportion: Proportional, high density foam trim with fine sand float stucco finish (20/30) OR re-sawn wood trim Simple columns with base trim	Shaped wood corbels Louvered shutters flanking windows Low-walled entry courtyards with hardscape paving, in lieu of porches Balconies - cantilevered OR supported with posts Decorative metal at post to beam connection Plank style garage door
Windows	Window mullions	Round-top fan light Bay windows
Doors & Gates	Panel OR planked doors	Windows in garage doors

## 4.0 Landscape Design

The landscape and planting design provides the identity for Legacy Park that is sustainable over time and meets the City of Moreno Valley's Landscape standards. The plant palette chosen for the Legacy Park is appropriate to the site's climate while providing color and seasonal change. All Legacy Park community areas will be landscaped as shown on Figure 5: Overall Landscape Plan, Figure 6: Landscape Sections, and Figure 7: Landscape Plan Enlargements. The landscape will provide a unified look to the community. A community identity sign will be provided at the entry. Refer to Figure 8: Entry Monument Elevation.

Front yard landscaping is required on all lots and will be designed to meet the City of Moreno Valley landscape requirements to include drought tolerant/xeriscape landscaping on all of the lots. Refer to Figure 9: Front Yard Landscape Plan.

Landscaping adjacent to Indian and Gentian Avenue and shall be maintained by the City of Moreno Valley Landscape Maintenance District (LMD).

Special paving will be provided to identify key pedestrian crossings along the main entry drive and at the connection to the Juan Baustista De Anza Trail as shown on Figure 5: Overall Landscape Plan. The special stamped concrete provides additional pedestrian amenities and traffic calming. Final pavement color and texture is subject to the approval of the Public Works department.

Six exercise stations will be provided adjacent to the trail. The City of Moreno Valley will maintain the trail and exercise stations. Refer to Figure 10: Landscape Maintenance Plan.

### 4.1 Community Landscape, Walls and Fencing

The visible Legacy Park Theme walls include a six-foot high decorative tan split-face (street side only) block wall with pilasters with colored concrete caps. An entry monument will be located at the entrance to the community.

At rear yards adjacent open space areas, a split-face (visible open space side only) wall will be provided. Tubular steel fencing will also be provided adjacent to the detention basin per City of Moreno Valley standards except where private lots are adjacent.

The walls and fencing shall meet the following requirements as shown on Figure 11: Wall and Fence Plan and Details. All walls and fencing will be maintained by the Legacy Park HOA.



Examples of decorative paving for the public streets

## Decorative Theme Walls

All decorative Theme walls will be block or an approved alternative. This includes perimeter and private areas.

Colored masonry caps to match the masonry color will be used at wall tops.

Theme wall pilasters will match block material and color and will have complementarily colored concrete caps.

Retaining walls will match block wall conditions.

## Trail Fencing

The trail fencing will be per City standards.

## Interior Fencing

The interior privacy fencing will be tan vinyl for both interior property line and fence return conditions.

All interior fencing height will vary but will be no lower than six feet high.

Gates will be constructed of tan vinyl to match the fence.

## 4.2 Detention Basin

The landscape plan provides for detention basins as shown and approved with the final recorded tract map and the Final Water Quality Plan. These areas will be maintained by the Legacy Park Homeowner's Association (HOA).



# Legacy Park

REFER TO ENTRY MONUMENT ELEVATION

REFER TO LOT 'JJ' ENLARGEMENT

REFER TO 'LOT A-TPM36606' ENLARGEMENT



REFER TO LOT 'BB' ENLARGEMENT

REFER TO PARK ENLARGEMENT

REFER TO LOT 'FF' ENLARGEMENT

### PLANT PALETTE

TREES: (Conceptual list including but not limited to):

<b>ENTRY TREE (24" Box)</b>	<i>Quercus agrifolia</i>	Coast Live Oak	WUCOLS Low
<b>INTERIOR STREET TREE (Two 24" Box per Standard Lot, Three per corner Lot)</b>	<i>Koelerutera bipinnata</i>	Chinese Flame Tree	Moderate
	<i>Pistacia chinensis</i>	Chinese Pistache	Moderate
	<i>Platanus acerifolia</i>	London Plane Tree	Moderate
	<i>Ulmus parviflora</i> 'True Green'	Chinese Elm	Moderate
	<i>Koelerutera bipinnata</i>	Chinese Flame Tree	Moderate
<b>INDIAN AND GENTIAN AVE - STREET TREE (One 24" Box)</b>	<i>Koelerutera bipinnata</i>	Chinese Flame Tree	Moderate
	<i>Cercis occidentalis</i>	Western Redbud	Low
	<i>Gleditsia triacanthos</i>	Honey Locust	Low
	<i>Laurus nobilis</i> 'Saratoga'	Sweet Bay	Low
	<i>Rhus lancea</i>	African Sumac	Low
<i>Schinus molle</i>	California Pepper	Low	
<b>DETENTION BASIN AND COMMON AREA LOTS (15 Gallon)</b>	<i>Cercis occidentalis</i>	Western Redbud	Low
	<i>Gleditsia triacanthos</i>	Honey Locust	Low
	<i>Laurus nobilis</i> 'Saratoga'	Sweet Bay	Low
	<i>Rhus lancea</i>	African Sumac	Low
	<i>Schinus molle</i>	California Pepper	Low

**INDIAN AND GENTIAN AVE - PARKWAY LANDSCAPE (LMD Maintained)**  
Proposed planting with combination of shrubs and trees at an equivalent o.c. spacing in addition to a drought-tolerant groundcover.

**CONCEPTUAL PLANT PALETTE TO INCLUDE, BUT NOT BE LIMITED TO:**

<i>Abelia x grandiflora</i>	Glossy Abelia	Moderate
<i>Barberis thunbergii</i>	Common Pinyon Japanese Barberry	Moderate
<i>Cistus x purpureus</i>	Orchid Rock Rose	Low
<i>Escallonia 'Compacta'</i>	Compact Escallonia	Moderate
<i>Ligustrum japonicum</i>	'Texanum' Texas Privet	Moderate
<i>Pittosporum tobira</i>	'Sham' Cream De Mint Mock Orange	Moderate
<i>Plumbago capensis</i>	Royal Cape Plumbago	Moderate
<i>Raphiolepis l. 'Springtime'</i>	Indian Hawthorne	Moderate
<i>Salvia leucantha</i>	Mexican Sage	Low

**GROUNDCOVER (One Gallon @ 3' o.c. or rooted cuttings @ 18" o.c. triangular spaced):**

<i>Cotoneaster dammeri</i>	'Lowfast' Bearberry Cotoneaster	Moderate
<i>Rosmarinus o.</i>	'Prostratus' Prostrate Rosemary	Low

**WATER QUALITY BASIN / LOT 'AA' AND 'DD' PLANT PALETTE**  
Slopes exceeding a vertical height of 3' to be irrigated and planted with drought tolerant groundcover. Slopes exceeding 15' in vertical heights to be irrigated and planted with drought-tolerant shrubs at 10' o.c., or trees at 20' o.c., or a combination of shrubs and trees at an equivalent o.c. spacing in addition to a drought-tolerant groundcover.

**CONCEPTUAL PLANT PALETTE TO INCLUDE, BUT NOT BE LIMITED TO:**

<b>SHRUBS (One Gallon minimum @ max. 10' o.c.):</b>		
<i>Aloe arborescens</i>	Torch Aloe	Low
<i>Baccharis sarothroides</i>	Desert Broom	Low
<i>Cistus x. purpureus</i>	Orchid Rock Rose	Low
<i>Elaeagnus pungens</i>	Silverberry	Low
<i>Heliotropium sempervirens</i>	Blue Oat Grass	Low
<i>Heteromeles arbutifolia</i>	Toyon	Moderate
<i>Heteromeles arbutifolia</i>	Texas Ranger	Low
<i>Leucophyllum frutescens</i>	Pink Muhly	Low
<i>Muhlenbergia capillaris</i>	Pink Muhly	Moderate
<i>Plumbago capensis</i>	Royal Cape Plumbago	Moderate

**GROUNDCOVER (One Gallon @ 3' o.c. or rooted cuttings @ 18" o.c. triangular spaced):**

<i>Acacia redolens</i>	Low Boy Low Boy Acacia	Low
<i>Myoporum parvifolium</i>	Myoponium	Low

**LOT 'B', 'E', 'F', 'G', 'I' AND 'J' - PLANT PALETTE**  
Planted along property walls and along slope embankments.

**CONCEPTUAL PLANT PALETTE TO INCLUDE, BUT NOT BE LIMITED TO:**

<i>Baccharis sarothroides</i>	Desert Broom	Low
<i>Cistus x. purpureus</i>	Orchid Rock Rose	Low
<i>Muhlenbergia capillaris</i>	Pink Muhly	Moderate
<i>Plumbago capensis</i>	Royal Cape Plumbago	Moderate

**GROUNDCOVER (One Gallon @ 3' o.c. or rooted cuttings @ 18" o.c. triangular spaced):**

<i>Myoporum parvifolium</i>	Myoponium	Low
-----------------------------	-----------	-----

**VINE (Five Gallon @ 8' o.c. tied to wall with guy wires):**

<i>Calliandra haematocephala</i>	Pink Powder Puff	Moderate
----------------------------------	------------------	----------

**IN-TRACT PARKWAY PLANT PALETTE**  
Planted along interior parkways adjacent to property walls and along slope embankments.

**CONCEPTUAL PLANT PALETTE TO INCLUDE, BUT NOT BE LIMITED TO:**

<i>Russelia equisetiformis</i>	Coral Fountain	Moderate
<i>Cistus x. purpureus</i>	Orchid Rock Rose	Low
<i>Hesperaloe parviflora</i>	Reddipped Yucca	Low
<i>Penstemon superbus</i>	Superb Beardtongue	Low

**GROUNDCOVER (One Gallon @ 3' o.c. or rooted cuttings @ 18" o.c. triangular spaced):**

<i>Bat Faced Cuphea</i>	Bat Faced Cuphea	Moderate
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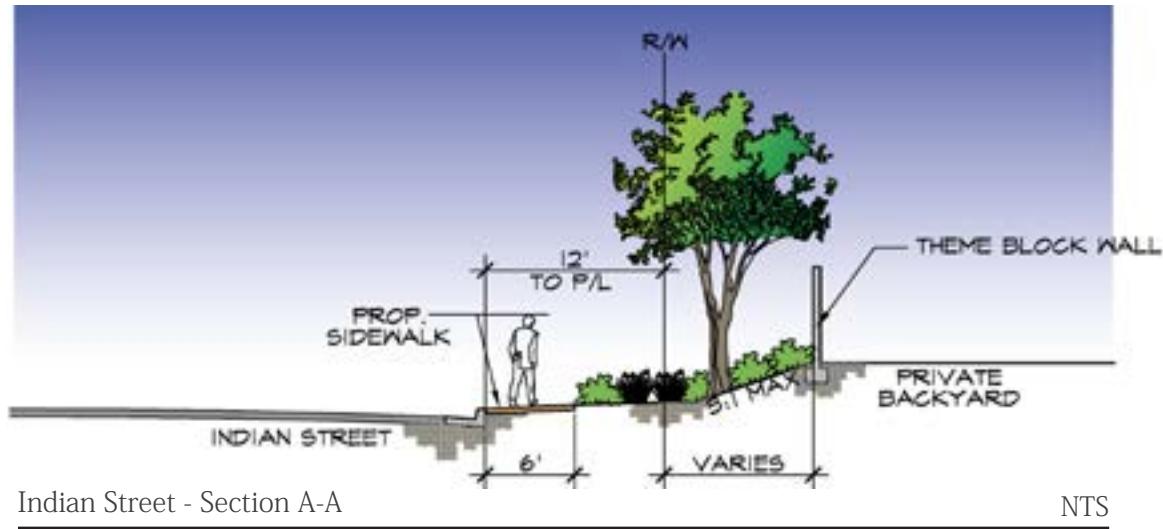
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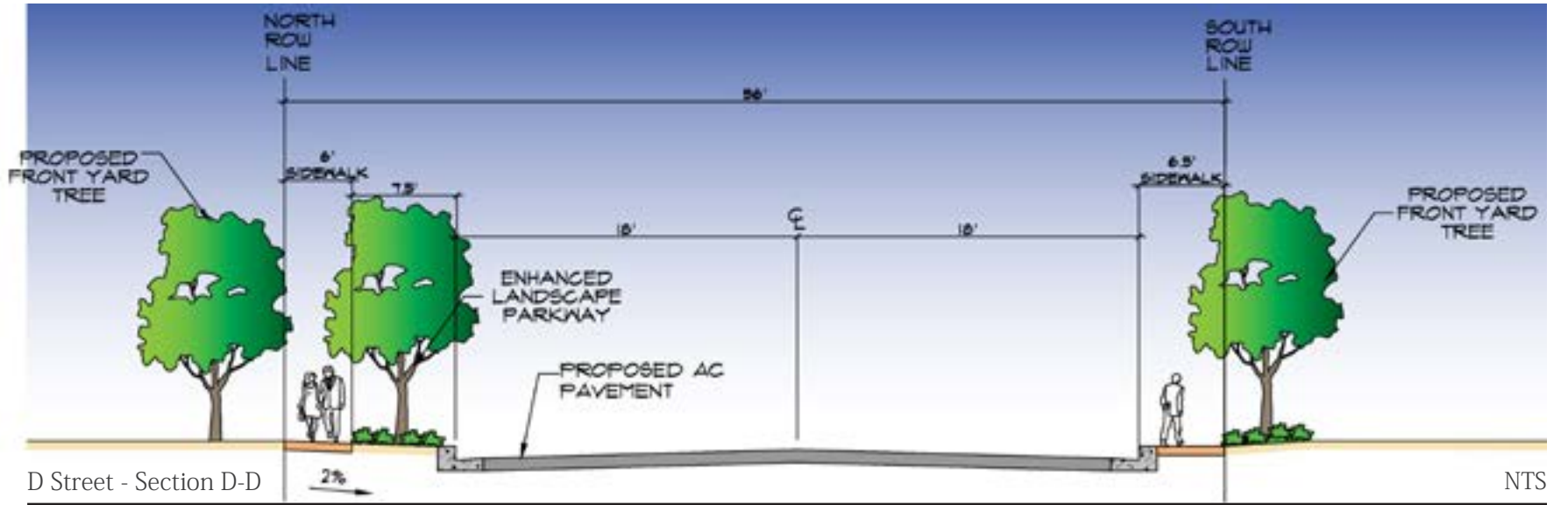


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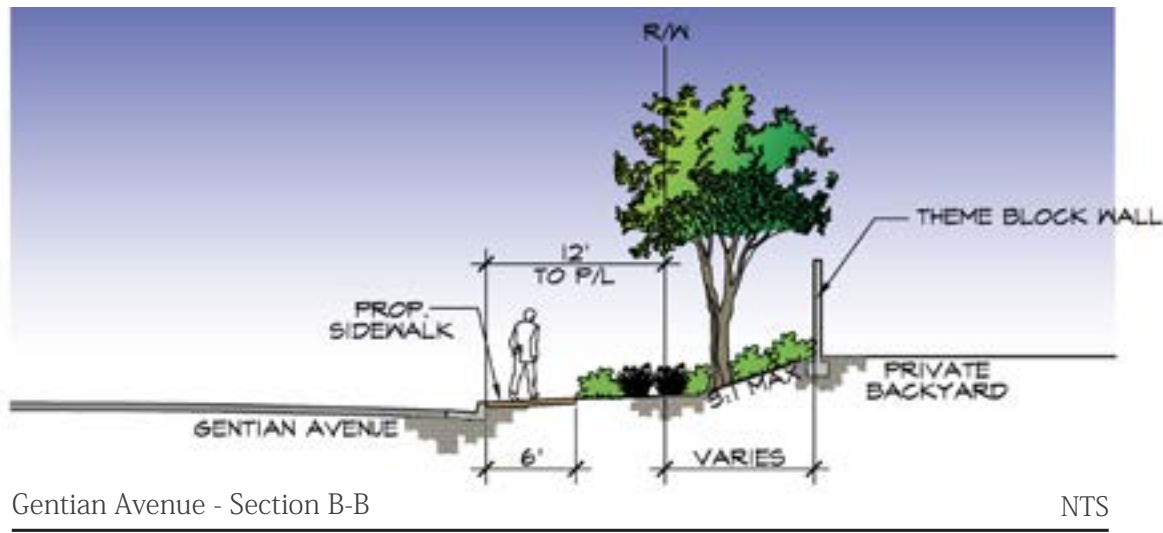
Indian Street - Section A-A

NTS



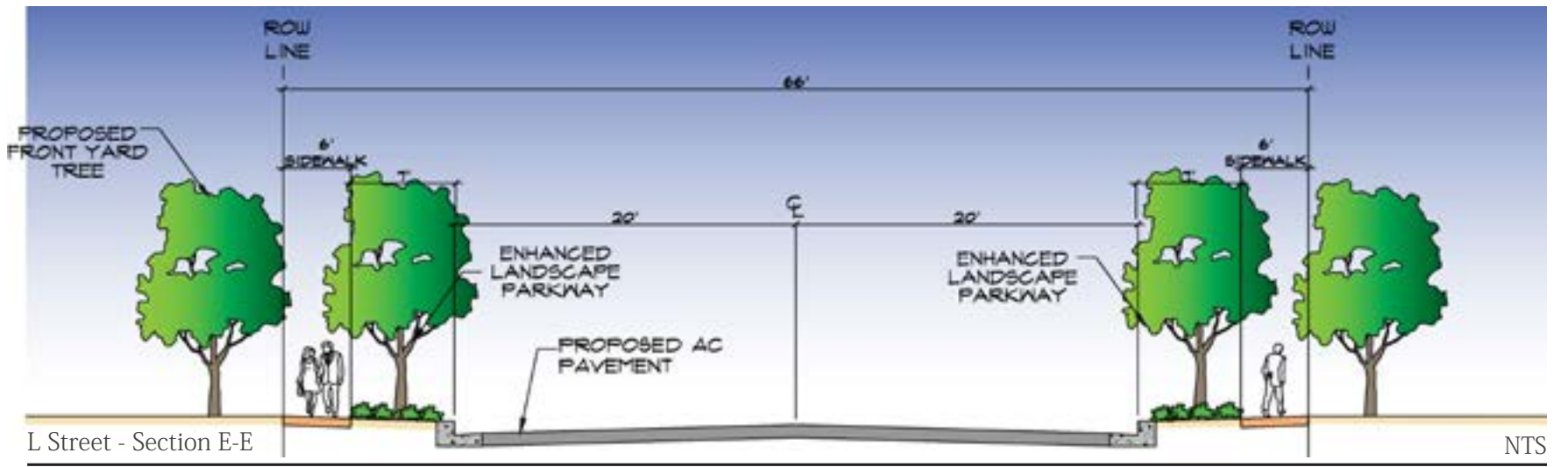
D Street - Section D-D

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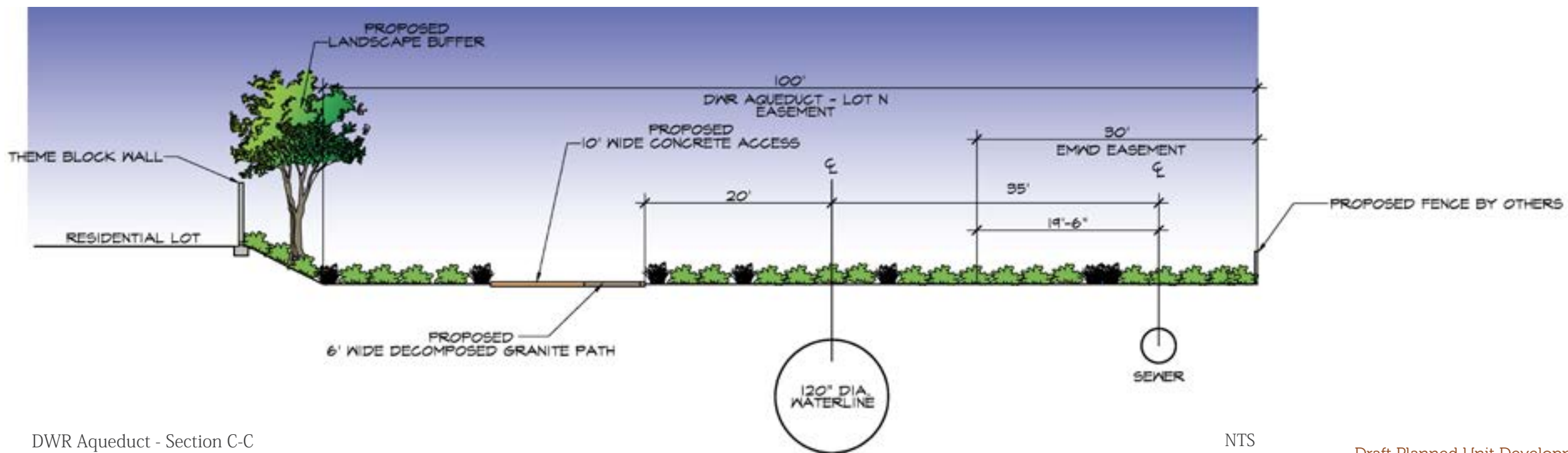
Gentian Avenue - Section B-B

NTS



L Street - Section E-E

NTS



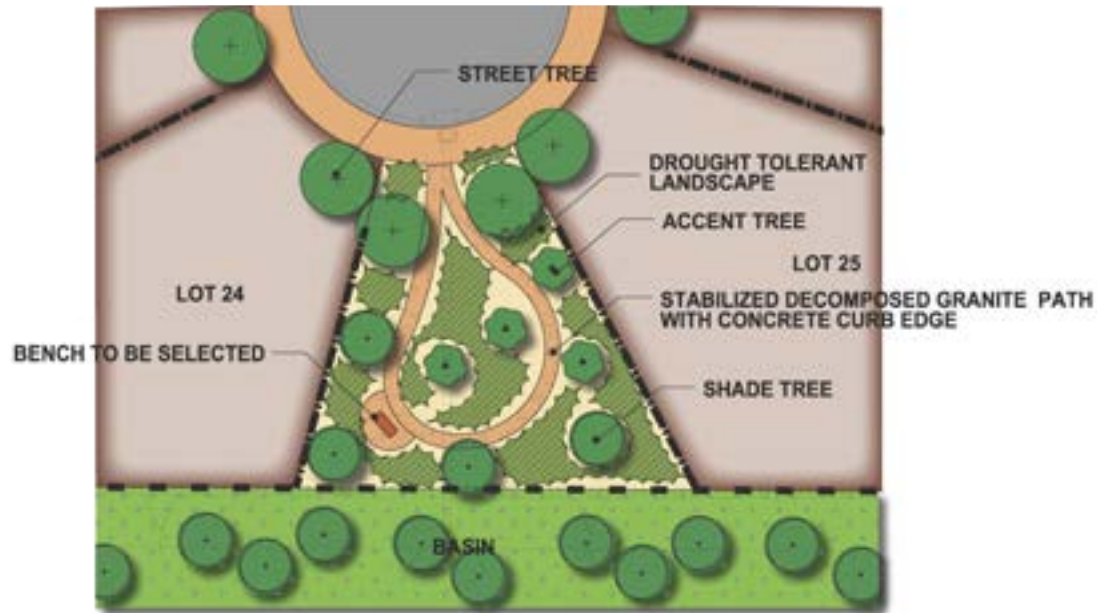
DWR Aqueduct - Section C-C

NTS

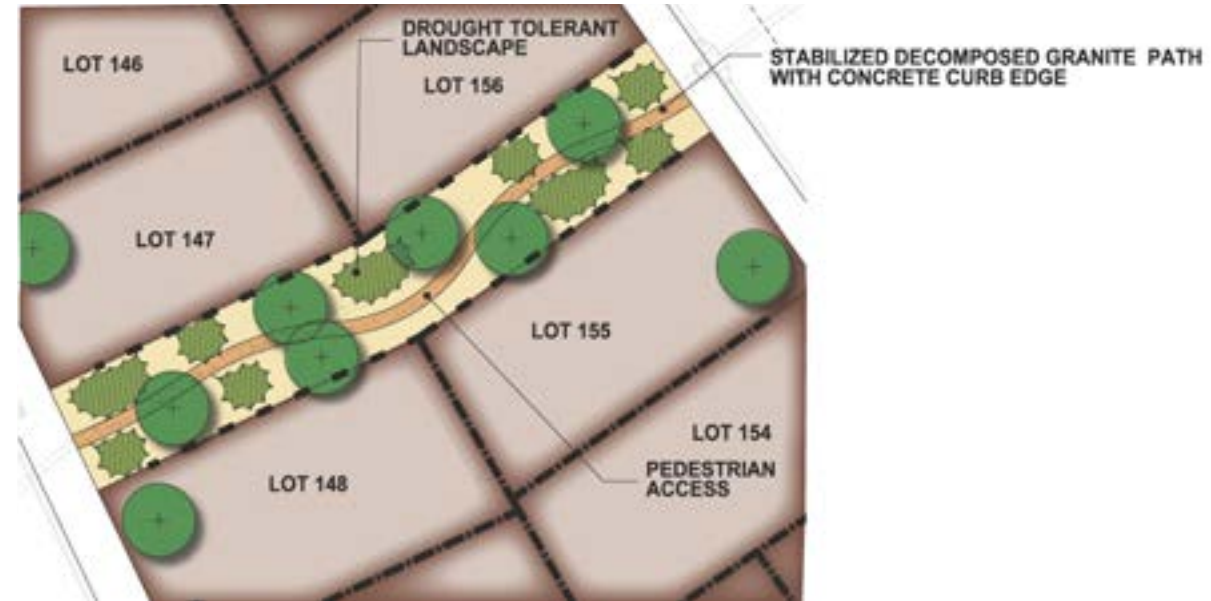
Figure 6: Landscape Sections

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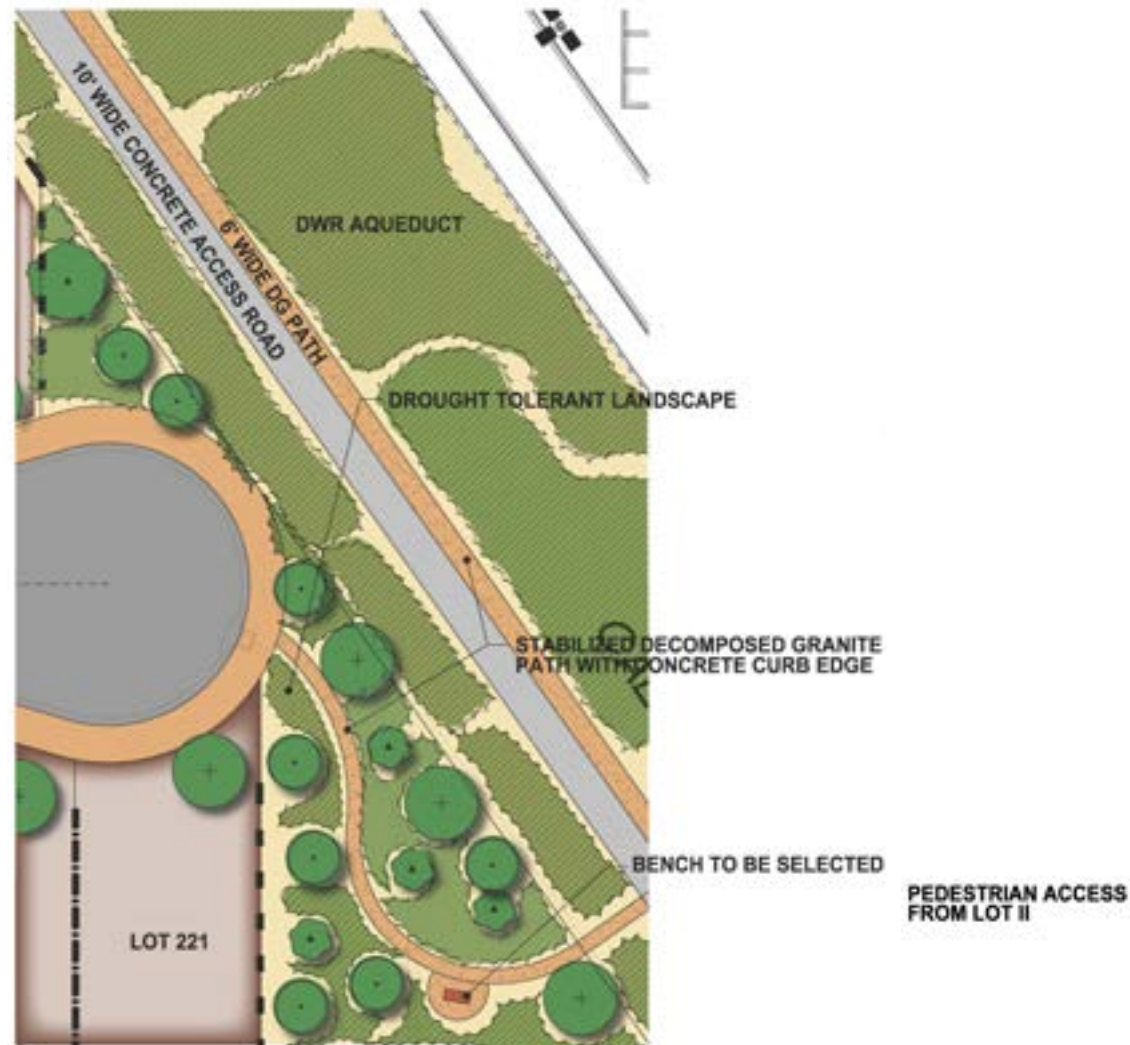




Lot 'BB' Enlargement



Lot 'JJ' Enlargement



Lot 'FF' Enlargement



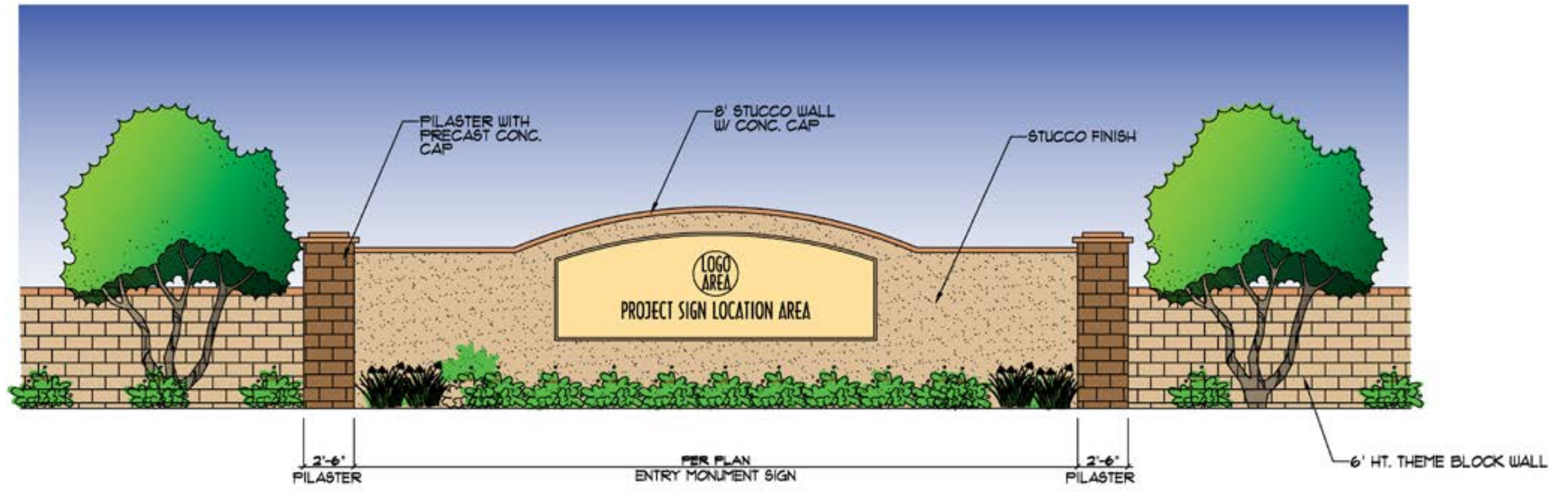
Lot 'A-TPM36606' Enlargement



Figure 7: Landscape Plan Enlargements

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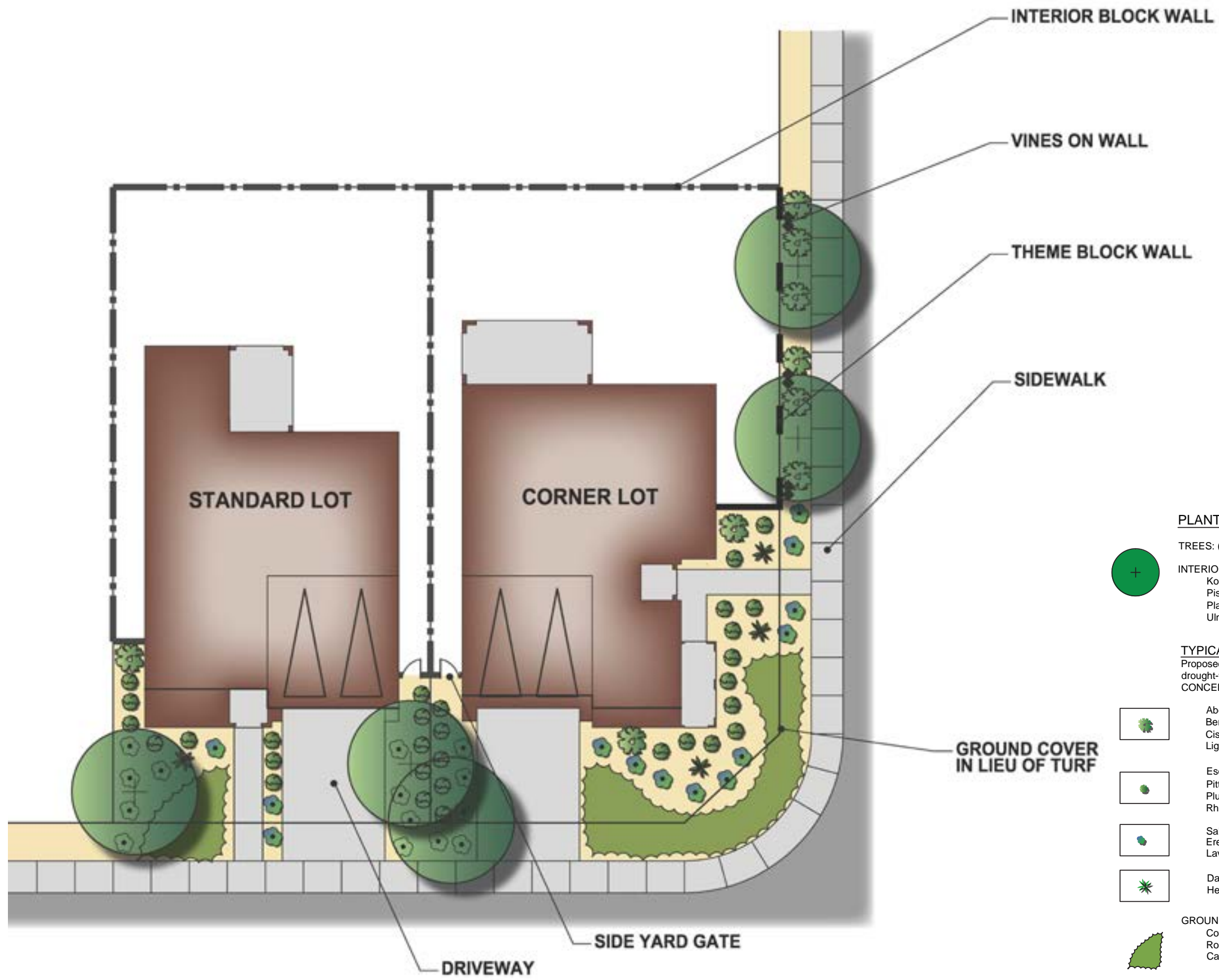
Entry Monument Elevation

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Attachment: Tract 36760 Design Guidelines (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF

Figure 8: Entry Monument Elevation

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**PLANT PALETTE**

TREES: (Conceptual list including but not limited to:)

INTERIOR STREET TREE (Two 24" Box per Standard Lot, Three per corner Lot):		
Koelreuteria bipinnata	Chinese Flame Tree	Moderate
Pistacia chinensis	Chinese Pistache	Moderate
Platanus acerfolia	London Plane Tree	Moderate
Ulmus parviflora 'True Green'	Chinese Elm	Moderate

**TYPICAL FRONT YARD LANDSCAPE** (Homeowner Maintained)  
Proposed planting with combination of shrubs and trees at an equivalent o.c. spacing in addition to a drought-tolerant groundcover.

CONCEPTUAL PLANT PALETTE TO INCLUDE, BUT NOT BE LIMITED TO:

	Abelia x. grandiflora Berberis thunbergii Cistus x. purpureus Ligustrum japonicum	Glossy Abelia 'Crimson Pygmy' Japanese Barberry Orchid Rock Rose 'Texanum' Texas Privet	Moderate Moderate Low Moderate
	Escallonia 'Compacta' Pittosporum tobira Plumbago capensis Raphiolepis i. 'Springtime'	Compact Escallonia 'Shima' Cream De Mint Mock Orange Royal Cape Plumbago Indian Hawthorne	Moderate Moderate Moderate Moderate
	Salvia leucantha Eremophila maculata Lavandula stoechas	Mexican Sage 'Valentine' NCN	Low Low Low
	Dasyliiron wheeleri Hesperaloe parviflora	Desert Spoon Brakelights	Low Low

GROUND COVER (One Gallon @ 3' o.c. or rooted cuttings @ 18" o.c. traingular spaced):

Cotoneaster dammeri	'Lowfast' Bearberry Cotoneaster	Moderate
Rosmarinus o.	'Prostratus' Prostrate Rosemary	Low
Carissa macrocarpa	'Green Carpet'	Low

Attachment: Tract 36760 Design Guidelines (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF

Figure 9: Front Yard Landscape Plan

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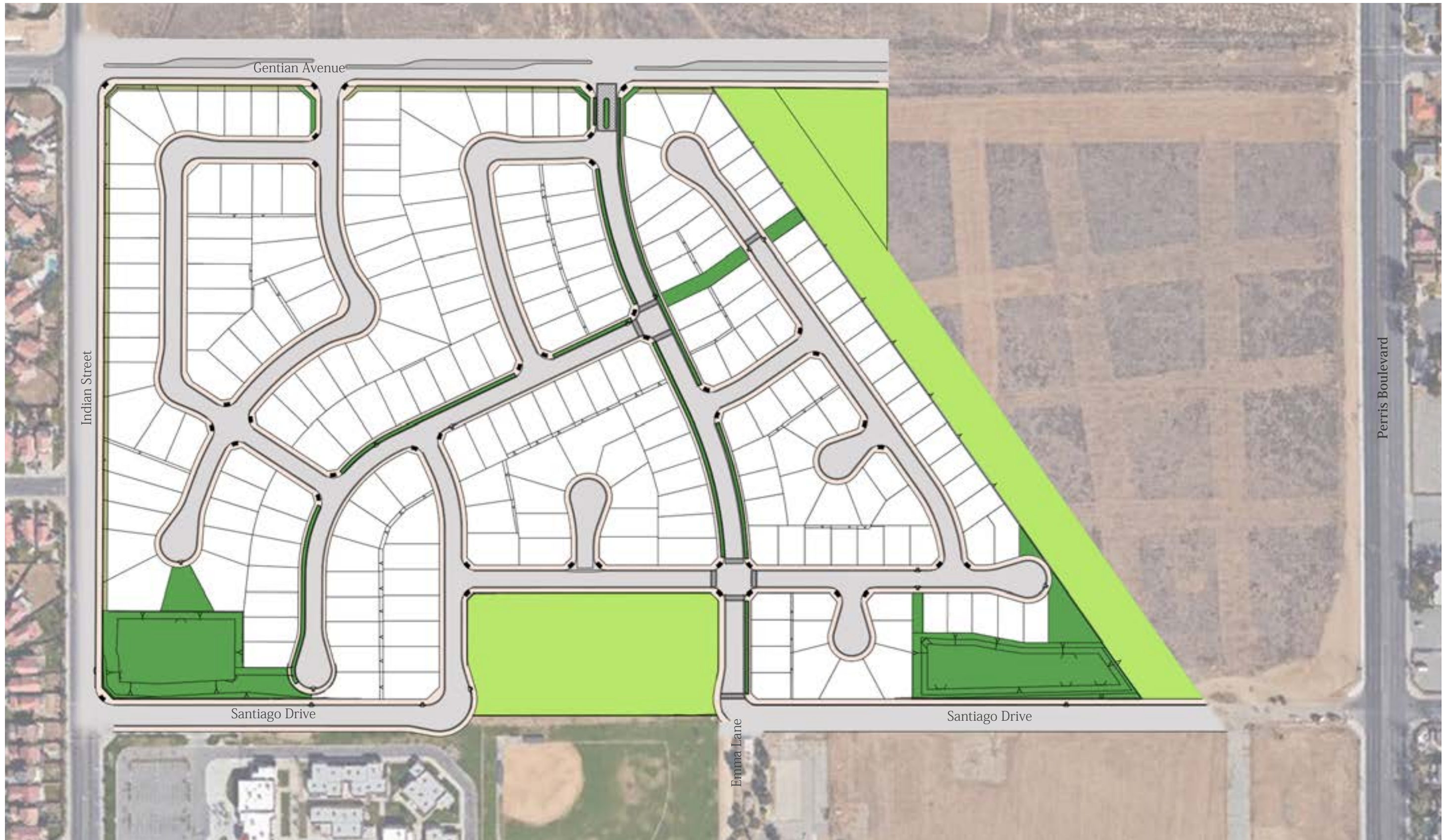


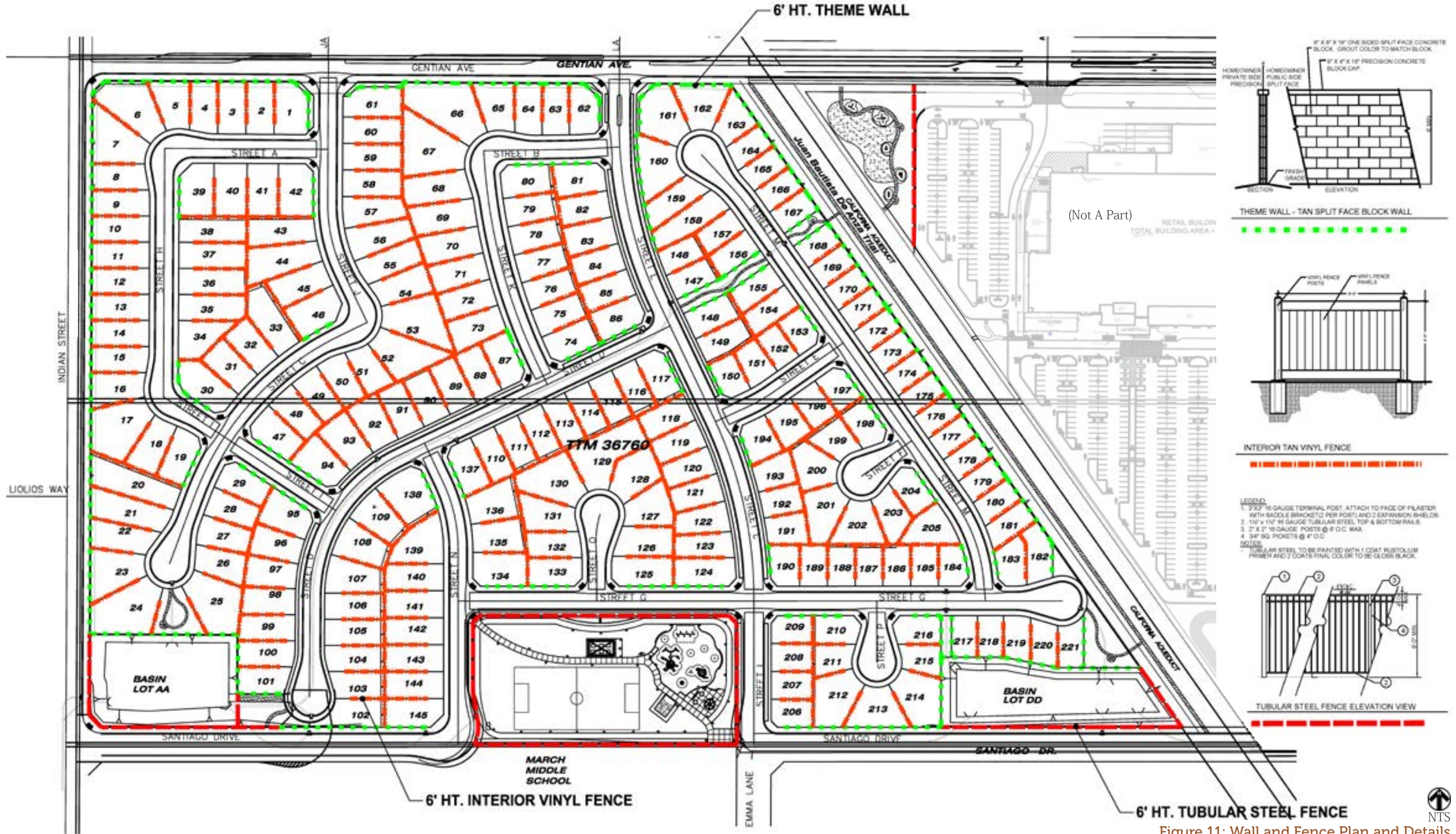
Figure 10: Landscape Maintenance Plan





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Figure 11: Wall and Fence Plan and Details

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**Legacy Park (Tentative Tract  
Map No. 36760)  
AIR QUALITY IMPACT ANALYSIS  
CITY OF MORENO VALLEY**

PREPARED BY:

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NOVEMBER 3, 2016

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09377-04 AQ Report

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,





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## LIST OF ABBREVIATED TERMS

(1)	Reference
µg/m <sup>3</sup>	Microgram per Cubic Meter
AADT	Annual Average Daily Trips
AQIA	Air Quality Impact Analysis
AQMD	Air Quality Management District
AQMP	Air Quality Management Plan
ARB	California Air Resources Board
BACM	Best Available Control Measures
CAA	Federal Clean Air Act
CAAQS	California Ambient Air Quality Standards
CalEEMod	California Emissions Estimator Model
Caltrans	California Department of Transportation
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resources Board
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CFR	Code of Federal Regulations
CO	Carbon Monoxide
DPM	Diesel Particulate Matter
EPA	Environmental Protection Agency
LST	Localized Significance Threshold
NAAQS	National Ambient Air Quality Standards
NO <sub>2</sub>	Nitrogen Dioxide
NO <sub>x</sub>	Oxides of Nitrogen
Pb	Lead
PM <sub>10</sub>	Particulate Matter 10 microns in diameter or less
PM <sub>2.5</sub>	Particulate Matter 2.5 microns in diameter or less
PPM	Parts Per Million
Project	Legacy Park (Tentative Tract Map No. 36760)
ROG	Reactive Organic Gases
SCAB	South Coast Air Basin
SCAQMD	South Coast Air Quality Management District
SIPs	State Implementation Plans
SRA	Source Receptor Area
TAC	Toxic Air Contaminant
TIA	Traffic Impact Analysis

TOG	Total Organic Gases
VMT	Vehicle Miles Traveled
VOC	Volatile Organic Compounds
VPH	Vehicles Per Hour

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



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Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

## EXECUTIVE SUMMARY

### ES-1 CONSTRUCTION-SOURCE EMISSIONS

#### *REGIONAL IMPACTS*

For regional emissions, the Project would not exceed the numerical thresholds of significance established by the South Coast Air Quality Management District (SCAQMD) for any criteria pollutant. It should be noted that impacts without mitigation take credit for reductions achieved through standard regulatory requirements (Rule 403 and Rule 1113). Thus a less than significant impact would occur for Project-related construction-source emissions and no mitigation measures are required.

#### *Localized Impacts*

For localized emissions, the Project would not exceed the SCAQMD's localized significance threshold. Thus a less than significant impact would occur and no mitigation is required.

Project construction-source emissions would not conflict with the applicable Air Quality Management Plan (AQMP).

#### *ODORS*

Established requirements addressing construction equipment operations, and construction material use, storage, and disposal requirements act to minimize odor impacts that may result from construction activities. Moreover, construction-source odor emissions would be temporary, short-term, and intermittent in nature and would not result in persistent impacts that would affect substantial numbers of people. Potential construction-source odor impacts are therefore considered less-than-significant.

### ES-2 OPERATIONAL-SOURCE EMISSIONS

#### *REGIONAL IMPACTS*

For regional emissions, the Project would not exceed the numerical thresholds of significance established by the SCAQMD. Thus a less than significant impact would occur for Project-related operational-source emissions and no mitigation is required.

#### *LOCALIZED IMPACTS*

Project operational-source emissions would not result in or cause a significant localized air quality impact as discussed in the operational LSTs section of this report. The proposed Project would not result in a significant CO "hotspot" as a result of Project related traffic during ongoing operations, nor would the Project result in a significant adverse health impact as discussed in Section 3.8, thus a less than significant impact to sensitive receptors during operational activity is expected.

*ODORS*

Substantial odor-generating sources include land uses such as agricultural activities, feedlots, wastewater treatment facilities, landfills or various heavy industrial uses. The Project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential sources of operational odors generated by the Project would include disposal of miscellaneous residential refuse. Moreover, SCAQMD Rule 402 acts to prevent occurrences of odor nuisances (1). Consistent with City requirements, all Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with solid waste regulations. Potential operational-source odor impacts are therefore considered less-than-significant.

# 1 INTRODUCTION

This report presents the results of the air quality impact analysis (AQIA) prepared by Urban Crossroads, Inc., for the Legacy Park (Tentative Tract Map No. 36760) (referred to as “Project”).

The purpose of this AQIA is to evaluate the potential impacts to air quality associated with construction and operation of the proposed Project, and recommend measures to mitigate impacts considered potentially significant in comparison to established air district thresholds.

## 1.1 SITE LOCATION

The proposed Legacy Park (Tentative Tract Map No. 36760) site is located on the southeast corner of Indian Street and Gentian Avenue in the City of Moreno Valley. The Project site is currently vacant. Residential land uses are located west of the Project site. The vacant land use located adjacent north and east of the Project site is designated as Residential and Commercial, respectively. March Middle School is located adjacent south of the Project. The Interstate 215 (I-215) Freeway is located approximately 2.20 miles west of the Project site.

## 1.2 PROJECT DESCRIPTION

The Project consists of 221 single family residential dwelling units, as shown on Exhibit 1-A.

For the purposes of this AQIA, it is assumed that the Project will be constructed and at full occupancy by 2021.

## 1.3 STANDARD REGULATORY REQUIREMENTS/BEST AVAILABLE CONTROL MEASURES (BACMs)

Measures listed below (or equivalent language) shall appear on all Project grading plans, construction specifications and bid documents, and the City shall ensure such language is incorporated prior to issuance of any development permits.

SCAQMD Rules that are currently applicable during construction activity for this Project include but are not limited to: Rule 1113 (Architectural Coatings) (2); Rule 431.2 (Low Sulfur Fuel); Rule 403 (Fugitive Dust) (3); and Rule 1186 / 1186.1 (Street Sweepers) (4). It should be noted that BACMs are not mitigation as they are standard regulatory requirements.

### **BACM AQ-1**

The following measures shall be incorporated into Project plans and specifications as implementation of Rule 403 (4):

- All clearing, grading, earth-moving, or excavation activities shall cease when winds exceed 25 mph per SCAQMD guidelines in order to limit fugitive dust emissions.
- The contractor shall ensure that all disturbed unpaved roads and disturbed areas within the Project are watered at least three (3) times daily during dry weather. Watering, with complete coverage of disturbed areas, shall occur at least three times a day, preferably in the mid-morning, afternoon, and after work is done for the day.

- The contractor shall ensure that traffic speeds on unpaved roads and Project site areas are reduced to 15 miles per hour or less.

### **BACM AQ-2**

The following measures shall be incorporated into Project plans and specifications as implementation of Rule 1113 (5):

- In order to limit the VOC content of architectural coatings used in the SCAB, architectural coatings shall be no more than a low VOC default level of 50 g/L unless otherwise specified in the SCAQMD Table of Standards (pg. 32-33).

## **1.4 PROJECT DESIGN FEATURES**

Energy-saving and sustainable design features and operational programs would be incorporated into facilities developed pursuant to the currently-proposed Legacy Park (Tentative Tract Map No. 36760). The Project also incorporates and expresses the following design features and attributes promoting energy efficiency and sustainability. Because these features/attributes are integral to the Project, and/or are regulatory requirements, they are not considered to be mitigation measures.

- Regional vehicle miles traveled (VMT) and associated vehicular-source emissions are reduced by the following Project design features/attributes:
  - Pedestrian connections shall be provided to surrounding areas consistent with the City's General Plan. Providing a pedestrian access network to link areas of the Project site encourages people to walk instead of drive. The Project would provide a pedestrian access network that internally links all uses. The Project would minimize barriers to pedestrian access and interconnectivity.
  - The Project's proposed collocation of varied residential, school, park, and open spaces within ¼ mile proximity together with supporting amenities would tend to decrease the propensity for vehicle travel for local residents.

## **1.5 CONSTRUCTION-SOURCE MITIGATION MEASURES**

Construction-source emissions will be less than significant. Therefore, no mitigation measures are required.

## **1.6 OPERATIONAL-SOURCE MITIGATION MEASURES**

Operational-source emissions will be less than significant. Therefore, no mitigation measures are required.



EXHIBIT 1-A: SITE PLAN



Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

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Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

## 2 AIR QUALITY SETTING

This section provides an overview of the existing air quality conditions in the Project area and region.

### 2.1 SOUTH COAST AIR BASIN

The Project site is located in the South Coast Air Basin (SCAB) within the jurisdiction of SCAQMD (6). The SCAQMD was created by the 1977 Lewis-Presley Air Quality Management Act, which merged four county air pollution control bodies into one regional district. Under the Act, the SCAQMD is responsible for bringing air quality in areas under its jurisdiction into conformity with federal and state air quality standards. As discussed above, the Project site is located within the South Coast Air Basin, a 6,745-square mile subregion of the SCAQMD, which includes portions of Los Angeles, Riverside, and San Bernardino Counties, and all of Orange County. The larger South Coast district boundary includes 10,743 square miles.

The SCAB is bound by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto Mountains to the north and east. The Los Angeles County portion of the Mojave Desert Air Basin is bound by the San Gabriel Mountains to the south and west, the Los Angeles / Kern County border to the north, and the Los Angeles / San Bernardino County border to the east. The Riverside County portion of the Salton Sea Air Basin is bound by the San Jacinto Mountains in the west and spans eastward up to the Palo Verde Valley.

### 2.2 REGIONAL CLIMATE

The regional climate has a substantial influence on air quality in the SCAB. In addition, the temperature, wind, humidity, precipitation, and amount of sunshine influence the air quality.

The annual average temperatures throughout the SCAB vary from the low to middle 60s (degrees Fahrenheit). Due to a decreased marine influence, the eastern portion of the SCAB shows greater variability in average annual minimum and maximum temperatures. January is the coldest month throughout the SCAB, with average minimum temperatures of 47°F in downtown Los Angeles and 36°F in San Bernardino. All portions of the SCAB have recorded maximum temperatures above 100°F.

Although the climate of the SCAB can be characterized as semi-arid, the air near the land surface is quite moist on most days because of the presence of a marine layer. This shallow layer of sea air is an important modifier of SCAB climate. Humidity restricts visibility in the SCAB, and the conversion of sulfur dioxide to sulfates is heightened in air with high relative humidity. The marine layer provides an environment for that conversion process, especially during the spring and summer months. The annual average relative humidity within the SCAB is 71 percent along the coast and 59 percent inland. Since the ocean effect is dominant, periods of heavy early morning fog are frequent and low stratus clouds are a characteristic feature. These effects decrease with distance from the coast.

More than 90 percent of the SCAB's rainfall occurs from November through April. The annual average rainfall varies from approximately nine inches in Riverside to fourteen inches in downtown Los Angeles. Monthly and yearly rainfall totals are extremely variable. Summer rainfall usually consists of widely scattered thunderstorms near the coast and slightly heavier shower activity in the eastern portion of the SCAB with frequency being higher near the coast.

Due to its generally clear weather, about three-quarters of available sunshine is received in the SCAB. The remaining one-quarter is absorbed by clouds. The ultraviolet portion of this abundant radiation is a key factor in photochemical reactions. On the shortest day of the year there are approximately 10 hours of possible sunshine, and on the longest day of the year there are approximately 14 1/2 hours of possible sunshine.

The importance of wind to air pollution is considerable. The direction and speed of the wind determines the horizontal dispersion and transport of the air pollutants. During the late autumn to early spring rainy season, the SCAB is subjected to wind flows associated with the traveling storms moving through the region from the northwest. This period also brings five to ten periods of strong, dry offshore winds, locally termed "Santa Anas" each year. During the dry season, which coincides with the months of maximum photochemical smog concentrations, the wind flow is bimodal, typified by a daytime onshore sea breeze and a nighttime offshore drainage wind. Summer wind flows are created by the pressure differences between the relatively cold ocean and the unevenly heated and cooled land surfaces that modify the general northwesterly wind circulation over southern California. Nighttime drainage begins with the radiational cooling of the mountain slopes. Heavy, cool air descends the slopes and flows through the mountain passes and canyons as it follows the lowering terrain toward the ocean. Another characteristic wind regime in the SCAB is the "Catalina Eddy," a low level cyclonic (counterclockwise) flow centered over Santa Catalina Island which results in an offshore flow to the southwest. On most spring and summer days, some indication of an eddy is apparent in coastal sections.

In the SCAB, there are two distinct temperature inversion structures that control vertical mixing of air pollution. During the summer, warm high-pressure descending (subsiding) air is undercut by a shallow layer of cool marine air. The boundary between these two layers of air is a persistent marine subsidence/inversion. This boundary prevents vertical mixing which effectively acts as an impervious lid to pollutants over the entire SCAB. The mixing height for the inversion structure is normally situated 1,000 to 1,500 feet above mean sea level.

A second inversion-type forms in conjunction with the drainage of cool air off the surrounding mountains at night followed by the seaward drift of this pool of cool air. The top of this layer forms a sharp boundary with the warmer air aloft and creates nocturnal radiation inversions. These inversions occur primarily in the winter, when nights are longer and onshore flow is weakest. They are typically only a few hundred feet above mean sea level. These inversions effectively trap pollutants, such as NOX and CO from vehicles, as the pool of cool air drifts seaward. Winter is therefore a period of high levels of primary pollutants along the coastline.

## 2.3 WIND PATTERNS AND PROJECT LOCATION

The distinctive climate of the Project area and the SCAB is determined by its terrain and geographical location. The Basin is located in a coastal plain with connecting broad valleys and low hills, bounded by the Pacific Ocean in the southwest quadrant with high mountains forming the remainder of the perimeter.

Wind patterns across the south coastal region are characterized by westerly and southwesterly on-shore winds during the day and easterly or northeasterly breezes at night. Winds are characteristically light although the speed is somewhat greater during the dry summer months than during the rainy winter season.

## 2.4 EXISTING AIR QUALITY

Existing air quality is measured at established SCAQMD air quality monitoring stations. Monitored air quality is evaluated and in the context of ambient air quality standards. These standards are the levels of air quality that are considered safe, with an adequate margin of safety, to protect the public health and welfare. National Ambient Air Quality Standards (NAAQS) and California Ambient Air Quality Standards (CAAQS) currently in effect, as well health effects of each pollutant regulated under these standards are shown in Table 2-1 (7).

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to the state and federal standards presented in Table 2-1. The air quality in a region is considered to be in attainment by the state if the measured ambient air pollutant levels for O<sub>3</sub>, CO, SO<sub>2</sub>, NO<sub>2</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub> are not equaled or exceeded at any time in any consecutive three-year period; and the federal standards (other than O<sub>3</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, and those based on annual averages or arithmetic mean) are not exceeded more than once per year. The O<sub>3</sub> standard is attained when the fourth highest eight-hour concentration in a year, averaged over three years, is equal to or less than the standard. For PM<sub>10</sub>, the 24-hour standard is attained when 99 percent of the daily concentrations, averaged over three years, are equal to or less than the standard.



TABLE 2-1: AMBIENT AIR QUALITY STANDARDS (1 OF 2)

Ambient Air Quality Standards							
Pollutant	Averaging Time	California Standards <sup>1</sup>		National Standards <sup>2</sup>			
		Concentration <sup>3</sup>	Method <sup>4</sup>	Primary <sup>3,5</sup>	Secondary <sup>3,6</sup>	Method <sup>7</sup>	
Ozone (O <sub>3</sub> ) <sup>8</sup>	1 Hour	0.09 ppm (180 µg/m <sup>3</sup> )	Ultraviolet Photometry	—	Same as Primary Standard	Ultraviolet Photometry	
	8 Hour	0.070 ppm (137 µg/m <sup>3</sup> )		0.070 ppm (137 µg/m <sup>3</sup> )			
Respirable Particulate Matter (PM <sub>10</sub> ) <sup>9</sup>	24 Hour	50 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	150 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis	
	Annual Arithmetic Mean	20 µg/m <sup>3</sup>		—			
Fine Particulate Matter (PM <sub>2.5</sub> ) <sup>9</sup>	24 Hour	—	—	35 µg/m <sup>3</sup>	Same as Primary Standard	Inertial Separation and Gravimetric Analysis	
	Annual Arithmetic Mean	12 µg/m <sup>3</sup>	Gravimetric or Beta Attenuation	12.0 µg/m <sup>3</sup>			15 µg/m <sup>3</sup>
Carbon Monoxide (CO)	1 Hour	20 ppm (23 mg/m <sup>3</sup> )	Non-Dispersive Infrared Photometry (NDIR)	35 ppm (40 mg/m <sup>3</sup> )	—	Non-Dispersive Infrared Photometry (NDIR)	
	8 Hour	9.0 ppm (10 mg/m <sup>3</sup> )		9 ppm (10 mg/m <sup>3</sup> )			
	8 Hour (Lake Tahoe)	6 ppm (7 mg/m <sup>3</sup> )		—			
Nitrogen Dioxide (NO <sub>2</sub> ) <sup>10</sup>	1 Hour	0.18 ppm (339 µg/m <sup>3</sup> )	Gas Phase Chemiluminescence	100 ppb (188 µg/m <sup>3</sup> )	—	Gas Phase Chemiluminescence	
	Annual Arithmetic Mean	0.030 ppm (57 µg/m <sup>3</sup> )		0.053 ppm (100 µg/m <sup>3</sup> )			Same as Primary Standard
Sulfur Dioxide (SO <sub>2</sub> ) <sup>11</sup>	1 Hour	0.25 ppm (655 µg/m <sup>3</sup> )	Ultraviolet Fluorescence	75 ppb (196 µg/m <sup>3</sup> )	—	Ultraviolet Fluorescence; Spectrophotometry (Pararosaniline Method)	
	3 Hour	—		—			0.5 ppm (1300 µg/m <sup>3</sup> )
	24 Hour	0.04 ppm (105 µg/m <sup>3</sup> )		0.14 ppm (for certain areas) <sup>11</sup>			—
	Annual Arithmetic Mean	—		0.030 ppm (for certain areas) <sup>11</sup>			—
Lead <sup>12,13</sup>	30 Day Average	1.5 µg/m <sup>3</sup>	Atomic Absorption	—	—	High Volume Sampler and Atomic Absorption	
	Calendar Quarter	—		1.5 µg/m <sup>3</sup> (for certain areas) <sup>12</sup>			Same as Primary Standard
	Rolling 3-Month Average	—		0.15 µg/m <sup>3</sup>			
Visibility Reducing Particles <sup>14</sup>	8 Hour	See footnote 14	Beta Attenuation and Transmittance through Filter Tape	No National Standards			
Sulfates	24 Hour	25 µg/m <sup>3</sup>	Ion Chromatography				
Hydrogen Sulfide	1 Hour	0.03 ppm (42 µg/m <sup>3</sup> )	Ultraviolet Fluorescence				
Vinyl Chloride <sup>12</sup>	24 Hour	0.01 ppm (26 µg/m <sup>3</sup> )	Gas Chromatography				

See footnotes on next page ...

For more information please call ARB-PIO at (916) 322-2990

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**TABLE 2-1: AMBIENT AIR QUALITY STANDARDS (2 OF 2)**

1. California standards for ozone, carbon monoxide (except 8-hour Lake Tahoe), sulfur dioxide (1 and 24 hour), nitrogen dioxide, and particulate matter (PM10, PM2.5, and visibility reducing particles), are values that are not to be exceeded. All others are not to be equaled or exceeded. California ambient air quality standards are listed in the Table of Standards in Section 70200 of Title 17 of the California Code of Regulations.
2. National standards (other than ozone, particulate matter, and those based on annual arithmetic mean) are not to be exceeded more than once a year. The ozone standard is attained when the fourth highest 8-hour concentration measured at each site in a year, averaged over three years, is equal to or less than the standard. For PM10, the 24 hour standard is attained when the expected number of days per calendar year with a 24-hour average concentration above  $150 \mu\text{g}/\text{m}^3$  is equal to or less than one. For PM2.5, the 24 hour standard is attained when 98 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. Contact the U.S. EPA for further clarification and current national policies.
3. Concentration expressed first in units in which it was promulgated. Equivalent units given in parentheses are based upon a reference temperature of  $25^\circ\text{C}$  and a reference pressure of 760 torr. Most measurements of air quality are to be corrected to a reference temperature of  $25^\circ\text{C}$  and a reference pressure of 760 torr; ppm in this table refers to ppm by volume, or micromoles of pollutant per mole of gas.
4. Any equivalent measurement method which can be shown to the satisfaction of the ARB to give equivalent results at or near the level of the air quality standard may be used.
5. National Primary Standards: The levels of air quality necessary, with an adequate margin of safety to protect the public health.
6. National Secondary Standards: The levels of air quality necessary to protect the public welfare from any known or anticipated adverse effects of a pollutant.
7. Reference method as described by the U.S. EPA. An "equivalent method" of measurement may be used but must have a "consistent relationship to the reference method" and must be approved by the U.S. EPA.
8. On October 1, 2015, the national 8-hour ozone primary and secondary standards were lowered from 0.075 to 0.070 ppm.
9. On December 14, 2012, the national annual PM2.5 primary standard was lowered from  $15 \mu\text{g}/\text{m}^3$  to  $12.0 \mu\text{g}/\text{m}^3$ . The existing national 24-hour PM2.5 standards (primary and secondary) were retained at  $35 \mu\text{g}/\text{m}^3$ , as was the annual secondary standard of  $15 \mu\text{g}/\text{m}^3$ . The existing 24-hour PM10 standards (primary and secondary) of  $150 \mu\text{g}/\text{m}^3$  also were retained. The form of the annual primary and secondary standards is the annual mean, averaged over 3 years.
10. To attain the 1-hour national standard, the 3-year average of the annual 98th percentile of the 1-hour daily maximum concentrations at each site must not exceed 100 ppb. Note that the national 1-hour standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the national 1-hour standard to the California standards the units can be converted from ppb to ppm. In this case, the national standard of 100 ppb is identical to 0.100 ppm.
11. On June 2, 2010, a new 1-hour  $\text{SO}_2$  standard was established and the existing 24-hour and annual primary standards were revoked. To attain the 1-hour national standard, the 3-year average of the annual 99th percentile of the 1-hour daily maximum concentrations at each site must not exceed 75 ppb. The 1971  $\text{SO}_2$  national standards (24-hour and annual) remain in effect until one year after an area is designated for the 2010 standard, except that in areas designated nonattainment for the 1971 standards, the 1971 standards remain in effect until implementation plans to attain or maintain the 2010 standards are approved.  
Note that the 1-hour national standard is in units of parts per billion (ppb). California standards are in units of parts per million (ppm). To directly compare the 1-hour national standard to the California standard the units can be converted to ppm. In this case, the national standard of 75 ppb is identical to 0.075 ppm.
12. The ARB has identified lead and vinyl chloride as 'toxic air contaminants' with no threshold level of exposure for adverse health effects determined. These actions allow for the implementation of control measures at levels below the ambient concentrations specified for these pollutants.
13. The national standard for lead was revised on October 15, 2008 to a rolling 3-month average. The 1978 lead standard ( $1.5 \mu\text{g}/\text{m}^3$  as a quarterly average) remains in effect until one year after an area is designated for the 2008 standard, except that in areas designated nonattainment for the 1978 standard, the 1978 standard remains in effect until implementation plans to attain or maintain the 2008 standard are approved.
14. In 1989, the ARB converted both the general statewide 10-mile visibility standard and the Lake Tahoe 30-mile visibility standard to instrumental equivalents, which are "extinction of 0.23 per kilometer" and "extinction of 0.07 per kilometer" for the statewide and Lake Tahoe Air Basin standards, respectively.

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## 2.5 REGIONAL AIR QUALITY

The SCAQMD monitors levels of various criteria pollutants at 38 permanent monitoring stations and 5 single-pollutant source Lead (Pb) air monitoring sites throughout the air district (8). In 2015, the federal and state ambient air quality standards (NAAQS and CAAQS) were exceeded on one or more days for ozone, PM<sub>10</sub>, and PM<sub>2.5</sub> at most monitoring locations (9). No areas of the SCAB exceeded federal or state standards for NO<sub>2</sub>, SO<sub>2</sub>, CO, sulfates or lead. See Table 2-2, for attainment designations for the SCAB (10). Appendix 3.1 provides geographic representation of the state and federal attainment status for applicable criteria pollutants within the SCAB.

**TABLE 2-2: ATTAINMENT STATUS OF CRITERIA POLLUTANTS IN THE SOUTH COAST AIR BASIN (SCAB)**

Criteria Pollutant	State Designation	Federal Designation
Ozone – 1-hour standard	Nonattainment	No Standard
Ozone - 8-hour standard	Nonattainment	Nonattainment
PM <sub>10</sub>	Nonattainment	Attainment
PM <sub>2.5</sub>	Nonattainment	Nonattainment
Carbon Monoxide	Attainment	Attainment
Nitrogen Dioxide	Attainment	Attainment
Sulfur Dioxide	Attainment	Attainment
Lead <sup>1</sup>	Attainment	Attainment

Source: State/Federal designations were taken from <http://www.arb.ca.gov/degis/adm/adm.htm>

Note: See Appendix 3.1 for a detailed map of State/National Area Designations within the South Coast Air Basin

## 2.6 LOCAL AIR QUALITY

Relative to the Project site, the nearest long-term air quality monitoring site for Ozone (O<sub>3</sub>) and Particulate Matter ≤ 10 Microns (PM<sub>10</sub>) is the South Coast Air Quality Management District Perris monitoring station (SRA 24), located approximately 4.8 miles south of the Project site (11). Data for Carbon Monoxide (CO), Nitrogen Dioxide (NO<sub>2</sub>), and Ultra-Fine Particulates (PM<sub>2.5</sub>) was obtained from the Metropolitan Riverside County 2 monitoring station (SRA 23) and Lake Elsinore monitoring station (SRA 25), located approximately 10.6 miles northwest and 13.50 miles southwest of the Project site, respectively. It should be noted that the Metropolitan Riverside County 2 and Lake Elsinore monitoring stations were utilized in lieu of the Perris monitoring station only where data was not available from the nearest monitoring site.

The most recent three (3) years of data available is shown on Table 2-3, and identifies the number of days ambient air quality standards were exceeded for the study area, which is was considered to be representative of the local air quality at the Project site (12). Additionally, data for SO<sub>2</sub> has

<sup>1</sup> The Federal nonattainment designation for lead is only applicable towards the Los Angeles County portion of the SCAB.



been omitted as attainment is regularly met in the South Coast Air Basin and few monitoring stations measure SO<sub>2</sub> concentrations.

**TABLE 2-3: PROJECT AREA AIR QUALITY MONITORING SUMMARY 2013-2015**

POLLUTANT	STANDARD	YEAR		
		2013	2014	2015
Ozone (O <sub>3</sub> )				
Maximum 1-Hour Concentration (ppm)		0.108	0.117	0.124
Maximum 8-Hour Concentration (ppm)		0.090	0.094	0.102
Number of Days Exceeding State 1-Hour Standard	> 0.09 ppm	17	16	25
Number of Days Exceeding State 8-Hour Standard	> 0.07 ppm	60	63	50
Number of Days Exceeding Federal 1-Hour Standard	> 0.12 ppm	0	0	0
Number of Days Exceeding Federal 8-Hour Standard	> 0.075 ppm	34	38	31
Number of Days Exceeding Health Advisory	≥ 0.15 ppm	0	0	0
Carbon Monoxide (CO)				
Maximum 1-Hour Concentration (ppm)		--	2.0	--
Maximum 8-Hour Concentration (ppm)		1.6	1.4	--
Number of Days Exceeding State 1-Hour Standard	> 20 ppm	0	0	--
Number of Days Exceeding Federal / State 8-Hour Standard	> 9.0 ppm	0	0	--
Number of Days Exceeding Federal 1-Hour Standard	> 35 ppm	0	0	--
Nitrogen Dioxide (NO <sub>2</sub> )*				
Maximum 1-Hour Concentration (ppm)		0.058	0.056	0.047
Annual Arithmetic Mean Concentration (ppm)		0.016	0.016	0.009
Number of Days Exceeding State 1-Hour Standard	> 0.18 ppm	0	0	0
Particulate Matter ≤ 10 Microns (PM <sub>10</sub> )				
Maximum 24-Hour Concentration (µg/m <sup>3</sup> )		70	87	188
Annual Arithmetic Mean (µg/m <sup>3</sup> )		33.6	35.1	33.1
Number of Samples		57	60	--
Number of Samples Exceeding State Standard	> 50 µg/m <sup>3</sup>	7	6	4
Number of Samples Exceeding Federal Standard	> 150 µg/m <sup>3</sup>	0	0	1
Particulate Matter ≤ 2.5 Microns (PM <sub>2.5</sub> )*				
Maximum 24-Hour Concentration (µg/m <sup>3</sup> )		53.7	30.9	42.2
Annual Arithmetic Mean (µg/m <sup>3</sup> )		11.2	10.9	--
Number of Samples Exceeding Federal 24-Hour Standard	> 35 µg/m <sup>3</sup>	0	0	--

-- = data not available from SCAQMD or ARB; \*Data from the Riverside County 2 monitoring station is only available up to year 2014. As such, data from the Lake Elsinore monitoring station is used for the year 2015.

Criteria pollutants are pollutants that are regulated through the development of human health based and/or environmentally based criteria for setting permissible levels. Criteria pollutants, their typical sources, and effects are identified below:

- **Carbon Monoxide (CO):** Is a colorless, odorless gas produced by the incomplete combustion of carbon-containing fuels, such as gasoline or wood. CO concentrations tend to be the highest during the winter morning, when little to no wind and surface-based inversions trap the pollutant at ground levels. Because CO is emitted directly from internal combustion engines, unlike ozone, motor vehicles operating at slow speeds are the primary source of CO in the Basin. The highest ambient CO concentrations are generally found near congested transportation corridors and intersections.
- **Sulfur Dioxide (SO<sub>2</sub>):** Is a colorless, extremely irritating gas or liquid. It enters the atmosphere as a pollutant mainly as a result of burning high sulfur-content fuel oils and coal and from chemical processes occurring at chemical plants and refineries. When SO<sub>2</sub> oxidizes in the atmosphere, it forms sulfates (SO<sub>4</sub>). Collectively, these pollutants are referred to as sulfur oxides (SOX).
- **Nitrogen Oxides (Oxides of Nitrogen, or NO<sub>x</sub>):** Nitrogen oxides (NO<sub>x</sub>) consist of nitric oxide (NO), nitrogen dioxide (NO<sub>2</sub>) and nitrous oxide (N<sub>2</sub>O) and are formed when nitrogen (N<sub>2</sub>) combines with oxygen (O<sub>2</sub>). Their lifespan in the atmosphere ranges from one to seven days for nitric oxide and nitrogen dioxide, to 170 years for nitrous oxide. Nitrogen oxides are typically created during combustion processes, and are major contributors to smog formation and acid deposition. NO<sub>2</sub> is a criteria air pollutant, and may result in numerous adverse health effects; it absorbs blue light, resulting in a brownish-red cast to the atmosphere and reduced visibility. Of the seven types of nitrogen oxide compounds, NO<sub>2</sub> is the most abundant in the atmosphere. As ambient concentrations of NO<sub>2</sub> are related to traffic density, commuters in heavy traffic may be exposed to higher concentrations of NO<sub>2</sub> than those indicated by regional monitors.
- **Ozone (O<sub>3</sub>):** Is a highly reactive and unstable gas that is formed when volatile organic compounds (VOCs) and nitrogen oxides (NO<sub>x</sub>), both byproducts of internal combustion engine exhaust, undergo slow photochemical reactions in the presence of sunlight. Ozone concentrations are generally highest during the summer months when direct sunlight, light wind, and warm temperature conditions are favorable to the formation of this pollutant.
- **PM<sub>10</sub> (Particulate Matter less than 10 microns):** A major air pollutant consisting of tiny solid or liquid particles of soot, dust, smoke, fumes, and aerosols. The size of the particles (10 microns or smaller, about 0.0004 inches or less) allows them to easily enter the lungs where they may be deposited, resulting in adverse health effects. PM<sub>10</sub> also causes visibility reduction and is a criteria air pollutant.
- **PM<sub>2.5</sub> (Particulate Matter less than 2.5 microns):** A similar air pollutant consisting of tiny solid or liquid particles which are 2.5 microns or smaller (which is often referred to as fine particles). These particles are formed in the atmosphere from primary gaseous emissions that include sulfates formed from SO<sub>2</sub> release from power plants and industrial facilities and nitrates that are formed from NO<sub>x</sub> release from power plants, automobiles and other types of combustion sources. The chemical composition of fine particles highly depends on location, time of year, and weather conditions. PM<sub>2.5</sub> is a criteria air pollutant.
- **Volatile Organic Compounds (VOC):** Volatile organic compounds are hydrocarbon compounds (any compound containing various combinations of hydrogen and carbon atoms) that exist in the ambient air. VOCs contribute to the formation of smog through atmospheric photochemical reactions and/or may be toxic. Compounds of carbon (also known as organic compounds) have



different levels of reactivity; that is, they do not react at the same speed or do not form ozone to the same extent when exposed to photochemical processes. VOCs often have an odor, and some examples include gasoline, alcohol, and the solvents used in paints. Exceptions to the VOC designation include: carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates, and ammonium carbonate. VOCs are a criteria pollutant since they are a precursor to O<sub>3</sub>, which is a criteria pollutant. The SCAQMD uses the terms VOC and ROG (see below) interchangeably.

- **Reactive Organic Gases (ROG):** Similar to VOC, Reactive Organic Gases (ROG) are also precursors in forming ozone. Smog is formed when ROG and nitrogen oxides react in the presence of sunlight. ROG is a criteria pollutant since they are a precursor to O<sub>3</sub>, which is a criteria pollutant. The SCAQMD uses the terms ROG and VOC (see previous) interchangeably.
- **Lead (Pb):** Lead is a heavy metal that is highly persistent in the environment. In the past, the primary source of lead in the air was emissions from vehicles burning leaded gasoline. As a result of the removal of lead from gasoline, there have been no violations at any of the SCAQMD's regular air monitoring stations since 1982. Currently, emissions of lead are largely limited to stationary sources such as lead smelters. It should be noted that the Project is not anticipated to generate a quantifiable amount of lead emissions. Lead is a criteria air pollutant.

### **Health Effects of Air Pollutants**

#### Ozone

Individuals exercising outdoors, children, and people with preexisting lung disease, such as asthma and chronic pulmonary lung disease, are considered to be the most susceptible subgroups for ozone effects. Short-term exposure (lasting for a few hours) to ozone at levels typically observed in Southern California can result in breathing pattern changes, reduction of breathing capacity, increased susceptibility to infections, inflammation of the lung tissue, and some immunological changes. Elevated ozone levels are associated with increased school absences. In recent years, a correlation between elevated ambient ozone levels and increases in daily hospital admission rates, as well as mortality, has also been reported. An increased risk for asthma has been found in children who participate in multiple sports and live in communities with high ozone levels.

Ozone exposure under exercising conditions is known to increase the severity of the responses described above. Animal studies suggest that exposure to a combination of pollutants that includes ozone may be more toxic than exposure to ozone alone. Although lung volume and resistance changes observed after a single exposure diminish with repeated exposures, biochemical and cellular changes appear to persist, which can lead to subsequent lung structural changes.

#### Carbon Monoxide

Individuals with a deficient blood supply to the heart are the most susceptible to the adverse effects of CO exposure. The effects observed include earlier onset of chest pain with exercise, and electrocardiograph changes indicative of decreased oxygen supply to the heart. Inhaled CO has no direct toxic effect on the lungs, but exerts its effect on tissues by interfering with oxygen transport and competing with oxygen to combine with hemoglobin present in the blood to form

carboxyhemoglobin (COHb). Hence, conditions with an increased demand for oxygen supply can be adversely affected by exposure to CO. Individuals most at risk include fetuses, patients with diseases involving heart and blood vessels, and patients with chronic hypoxemia (oxygen deficiency) as seen at high altitudes.

Reduction in birth weight and impaired neurobehavioral development have been observed in animals chronically exposed to CO, resulting in COHb levels similar to those observed in smokers. Recent studies have found increased risks for adverse birth outcomes with exposure to elevated CO levels; these include pre-term births and heart abnormalities.

#### Particulate Matter

A consistent correlation between elevated ambient fine particulate matter (PM10 and PM2.5) levels and an increase in mortality rates, respiratory infections, number and severity of asthma attacks and the number of hospital admissions has been observed in different parts of the United States and various areas around the world. In recent years, some studies have reported an association between long-term exposure to air pollution dominated by fine particles and increased mortality, reduction in life-span, and an increased mortality from lung cancer.

Daily fluctuations in PM2.5 concentration levels have also been related to hospital admissions for acute respiratory conditions in children, to school and kindergarten absences, to a decrease in respiratory lung volumes in normal children, and to increased medication use in children and adults with asthma. Recent studies show lung function growth in children is reduced with long-term exposure to particulate matter.

The elderly, people with pre-existing respiratory or cardiovascular disease, and children appear to be more susceptible to the effects of high levels of PM10 and PM2.5.

#### Nitrogen Dioxide

Population-based studies suggest that an increase in acute respiratory illness, including infections and respiratory symptoms in children (not infants), is associated with long-term exposure to NO<sub>2</sub> at levels found in homes with gas stoves, which are higher than ambient levels found in Southern California. Increase in resistance to air flow and airway contraction is observed after short-term exposure to NO<sub>2</sub> in healthy subjects. Larger decreases in lung functions are observed in individuals with asthma or chronic obstructive pulmonary disease (e.g., chronic bronchitis, emphysema) than in healthy individuals, indicating a greater susceptibility of these sub-groups.

In animals, exposure to levels of NO<sub>2</sub> considerably higher than ambient concentrations results in increased susceptibility to infections, possibly due to the observed changes in cells involved in maintaining immune functions. The severity of lung tissue damage associated with high levels of ozone exposure increases when animals are exposed to a combination of ozone and NO<sub>2</sub>.

#### Sulfur Dioxide

A few minutes of exposure to low levels of SO<sub>2</sub> can result in airway constriction in some asthmatics, all of whom are sensitive to its effects. In asthmatics, increase in resistance to air flow, as well as reduction in breathing capacity leading to severe breathing difficulties, are

observed after acute exposure to SO<sub>2</sub>. In contrast, healthy individuals do not exhibit similar acute responses even after exposure to higher concentrations of SO<sub>2</sub>.

Animal studies suggest that despite SO<sub>2</sub> being a respiratory irritant, it does not cause substantial lung injury at ambient concentrations. However, very high levels of exposure can cause lung edema (fluid accumulation), lung tissue damage, and sloughing off of cells lining the respiratory tract.

Some population-based studies indicate that the mortality and morbidity effects associated with fine particles show a similar association with ambient SO<sub>2</sub> levels. In these studies, efforts to separate the effects of SO<sub>2</sub> from those of fine particles have not been successful. It is not clear whether the two pollutants act synergistically or one pollutant alone is the predominant factor.

#### Lead

Fetuses, infants, and children are more sensitive than others to the adverse effects of Pb exposure. Exposure to low levels of Pb can adversely affect the development and function of the central nervous system, leading to learning disorders, distractibility, inability to follow simple commands, and lower intelligence quotient. In adults, increased Pb levels are associated with increased blood pressure.

Pb poisoning can cause anemia, lethargy, seizures, and death; although it appears that there are no direct effects of Pb on the respiratory system. Pb can be stored in the bone from early age environmental exposure, and elevated blood Pb levels can occur due to breakdown of bone tissue during pregnancy, hyperthyroidism (increased secretion of hormones from the thyroid gland) and osteoporosis (breakdown of bony tissue). Fetuses and breast-fed babies can be exposed to higher levels of Pb because of previous environmental Pb exposure of their mothers.

#### Odors

The science of odor as a health concern is still new. Merely identifying the hundreds of VOCs that cause odors poses a big challenge. Offensive odors can potentially affect human health in several ways. First, odorant compounds can irritate the eye, nose, and throat, which can reduce respiratory volume. Second, studies have shown that the VOCs that cause odors can stimulate sensory nerves to cause neurochemical changes that might influence health, for instance, by compromising the immune system. Finally, unpleasant odors can trigger memories or attitudes linked to unpleasant odors, causing cognitive and emotional effects such as stress.

## 2.7 REGULATORY BACKGROUND

### 2.7.1 FEDERAL REGULATIONS

The U.S. EPA is responsible for setting and enforcing the NAAQS for O<sub>3</sub>, CO, NO<sub>x</sub>, SO<sub>2</sub>, PM<sub>10</sub>, PM<sub>2.5</sub>, and lead (7). The U.S. EPA has jurisdiction over emissions sources that are under the authority of the federal government including aircraft, locomotives, and emissions sources outside state waters (Outer Continental Shelf). The U.S. EPA also establishes emission standards for vehicles sold in states other than California. Automobiles sold in California must meet the stricter emission requirements of the CARB.

The Federal Clean Air Act (CAA) was first enacted in 1955, and has been amended numerous times in subsequent years (1963, 1965, 1967, 1970, 1977, and 1990). The CAA establishes the federal air quality standards, the NAAQS, and specifies future dates for achieving compliance (13). The CAA also mandates that states submit and implement State Implementation Plans (SIPs) for local areas not meeting these standards. These plans must include pollution control measures that demonstrate how the standards will be met.

The 1990 amendments to the CAA that identify specific emission reduction goals for areas not meeting the NAAQS require a demonstration of reasonable further progress toward attainment and incorporate additional sanctions for failure to attain or to meet interim milestones. The sections of the CAA most directly applicable to the development of the Project site include Title I (Non-Attainment Provisions) and Title II (Mobile Source Provisions). Title I provisions were established with the goal of attaining the NAAQS for the following criteria pollutants O<sub>3</sub>, NO<sub>2</sub>, SO<sub>2</sub>, PM<sub>10</sub>, CO, PM<sub>2.5</sub>, and lead. The NAAQS were amended in July 1997 to include an additional standard for O<sub>3</sub> and to adopt a NAAQS for PM<sub>2.5</sub>. Table 2-1 (previously presented) provides the NAAQS within the basin.

Mobile source emissions are regulated in accordance with Title II provisions. These provisions require the use of cleaner burning gasoline and other cleaner burning fuels such as methanol and natural gas. Automobile manufacturers are also required to reduce tailpipe emissions of hydrocarbons and nitrogen oxides (NO<sub>x</sub>). NO<sub>x</sub> is a collective term that includes all forms of nitrogen oxides (NO, NO<sub>2</sub>, NO<sub>3</sub>) which are emitted as byproducts of the combustion process.

### 2.7.2 CALIFORNIA REGULATIONS

The CARB, which became part of the California EPA in 1991, is responsible for ensuring implementation of the California Clean Air Act (AB 2595), responding to the federal CAA, and for regulating emissions from consumer products and motor vehicles. The California CAA mandates achievement of the maximum degree of emissions reductions possible from vehicular and other mobile sources in order to attain the state ambient air quality standards by the earliest practical date. The CARB established the CAAQS for all pollutants for which the federal government has NAAQS and, in addition, establishes standards for sulfates, visibility, hydrogen sulfide, and vinyl chloride. However, at this time, hydrogen sulfide and vinyl chloride are not measured at any monitoring stations in the SCAB because they are not considered to be a regional air quality problem. Generally, the CAAQS are more stringent than the NAAQS (14) (7).

Local air quality management districts, such as the SCAQMD, regulate air emissions from commercial and light industrial facilities. All air pollution control districts have been formally designated as attainment or non-attainment for each CAAQS.

Non-attainment areas are required to prepare air quality management plans that include specified emission reduction strategies in an effort to meet clean air goals. These plans are required to include:

- Application of Best Available Retrofit Control Technology to existing sources;
- Developing control programs for area sources (e.g., architectural coatings and solvents) and indirect sources (e.g. motor vehicle use generated by residential and commercial development);

- A District permitting system designed to allow no net increase in emissions from any new or modified permitted sources of emissions;
- Implementing reasonably available transportation control measures and assuring a substantial reduction in growth rate of vehicle trips and miles traveled;
- Significant use of low emissions vehicles by fleet operators;
- Sufficient control strategies to achieve a five percent or more annual reduction in emissions or 15 percent or more in a period of three years for ROG, NO<sub>x</sub>, CO and PM<sub>10</sub>. However, air basins may use alternative emission reduction strategy that achieves a reduction of less than five percent per year under certain circumstances.

### 2.7.3 AIR QUALITY MANAGEMENT PLANNING

Currently, the NAAQS and CAAQS are exceeded in most parts of the SCAB. In response, the SCAQMD has adopted a series of Air Quality Management Plans (AQMPs) to meet the state and federal ambient air quality standards (15). AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy. A detailed discussion on the AQMP and Project consistency with the AQMP is provided in Section 3.9.

## 2.8 EXISTING PROJECT SITE AIR QUALITY CONDITIONS

Existing air quality conditions at the Project site would generally reflect ambient monitored conditions as presented previously at Table 2-3.



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Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

### 3 PROJECT AIR QUALITY IMPACT

#### 3.1 INTRODUCTION

The Project has been evaluated to determine if it will violate an air quality standard or contribute to an existing or projected air quality violation. Additionally, the Project has been evaluated to determine if it will result in a cumulatively considerable net increase of a criteria pollutant for which the SCAB is non-attainment under an applicable federal or state ambient air quality standard. The significance of these potential impacts is described in the following section.

#### 3.2 STANDARDS OF SIGNIFICANCE

The criteria used to determine the significance of potential Project-related air quality impacts are taken from the Initial Study Checklist in Appendix G of the State CEQA Guidelines (14 California Code of Regulations §§15000, et seq.). Based on these thresholds, a project would result in a significant impact related to air quality if it would (16):

- Conflict with or obstruct implementation of the applicable air quality plan.
- Violate any air quality standard or contribute to an existing or projected air quality violation.
- Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors).
- Expose sensitive receptors to substantial pollutant concentrations.
- Create objectionable odors affecting a substantial number of people.

The SCAQMD has also developed regional and localized significance thresholds for other regulated pollutants, as summarized at Table 3-1 (17). The SCAQMD's CEQA Air Quality Significance Thresholds (March 2015) indicate that any projects in the SCAB with daily emissions that exceed any of the indicated thresholds should be considered as having an individually and cumulatively significant air quality impact.

**TABLE 3-1: MAXIMUM DAILY EMISSIONS THRESHOLDS (1 OF 2)**

Pollutant	Construction	Operations
<b>Regional Thresholds</b>		
NOx	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM10	150 lbs/day	150 lbs/day
PM2.5	55 lbs/day	55 lbs/day
Sox	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Lead	3 lbs/day	3 lbs/day

**TABLE 3-1: MAXIMUM DAILY EMISSIONS THRESHOLDS (2 OF 2)**

Pollutant	Construction	Operations
<b>Localized Thresholds</b>		
NO <sub>x</sub>	203 lbs/day (site preparation)	N/A
CO	1,114 lbs/day (site preparation)	N/A
PM <sub>10</sub>	9 lbs/day (site preparation)	N/A
PM <sub>2.5</sub>	5 lbs/day (site preparation)	N/A

### 3.3 PROJECT-RELATED SOURCES OF POTENTIAL IMPACT

Land uses such as the Project affect air quality through construction-source and operational-source emissions.

On October 14, 2016, the SCAQMD in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released the latest version of the California Emissions Estimator Model™ (CalEEMod™) v2016.3.1. The purpose of this model is to calculate construction-source and operational-source criteria pollutant (NO<sub>x</sub>, VOC, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>x</sub>, and CO) and greenhouse gas (GHG) emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (18). Accordingly, the latest version of CalEEMod™ has been used for this Project to determine construction and operational air quality emissions. Output from the model runs for both construction and operational activity are provided in Appendix 3.2.

### 3.4 CONSTRUCTION EMISSIONS

Construction activities associated with the Project will result in emissions of CO, VOCs, NO<sub>x</sub>, SO<sub>x</sub>, PM<sub>10</sub>, and PM<sub>2.5</sub>. Construction related emissions are expected from the following construction activities:

- Grading
- Building Construction
- Paving
- Architectural Coating
- Construction Workers Commuting

Construction is expected to commence in October 2017 and will last through December 2021. Construction duration by phase is shown on Table 3-2. The duration of construction activity was estimated based on past project experience and a 2021 opening year. The construction schedule utilized in the analysis, shown in Table 3-2, represents a “worst-case” analysis scenario should construction occur any time after the respective dates since emission factors for construction decrease as time passes and the analysis year increases due to emission regulations becoming

more stringent.<sup>2</sup> The detailed summary of construction equipment, shown on Table 3-3, was estimated based on CalEEMod model defaults and past project experience. The site specific construction fleet may vary due to specific project needs at the time of construction. The duration of construction activity and associated equipment both represent a reasonable approximation of the expected construction fleet as required per CEQA guidelines. Please refer to specific detailed modeling inputs/outputs contained in Appendix 3.2 of this analysis.

Dust is typically a major concern during rough grading activities. Because such emissions are not amenable to collection and discharge through a controlled source, they are called “fugitive emissions”. Fugitive dust emissions rates vary as a function of many parameters (soil silt, soil moisture, wind speed, area disturbed, number of vehicles, depth of disturbance or excavation, etc.). The CalEEMod model was utilized to calculate fugitive dust emissions resulting from this phase of activity. It is our understanding the Project is expected to balance (will not require import/export of soil).

A review of aerial image indicates the Project site is currently vacant, therefore no demolition is required.

The Project shall comply with SCAQMD rules and regulations regarding handling and disturbances of toxics, such as asbestos and lead-based paint, that may be encountered during building materials and demolition. Inspections for these hazardous materials shall be performed prior to any demolition activities and compliance with the applicable rules and regulations, such as Rule 1403 for asbestos removal, will be required.

Construction emissions for construction worker vehicles traveling to and from the Project site, as well as vendor trips (construction materials delivered to the Project site) were estimated based on information CalEEMod model defaults.

**TABLE 3-2: CONSTRUCTION DURATION**

Phase Name	Start Date	End Date	Days
Grading	10/01/2017	01/12/2018	75
Paving	01/13/2018	03/30/2018	55
Building Construction	03/31/2018	09/25/2020	650
Architectural Coatings	06/29/2019	12/24/2021	650

<sup>2</sup> As shown in the California Emissions Estimator Model (CalEEMod) User’s Guide Version 2013.2, Table 3.4 “OFFROAD Equipment Emission Factors” as the analysis year increases, emission factors for the same equipment pieces decrease due to the natural turnover of older equipment being replaced by newer less polluting equipment and new regulatory requirements.

**TABLE 3-3: CONSTRUCTION EQUIPMENT**

Activity	Equipment	Number	Hours Per Day
Grading	Excavators	2	8
	Graders	1	8
	Water Trucks	1	8
	Rubber Tired Dozers	1	8
	Scrapers	2	8
	Tractors/Loaders/Backhoes	2	8
Paving	Paving Equipment	2	8
	Rollers	2	8
	Pavers	2	8
Building Construction	Cranes	1	8
	Forklifts	3	8
	Generator Sets	1	8
	Tractors/Loaders/Backhoes	3	8
	Welders	1	8
Architectural Coating	Air Compressors	1	8

### 3.4.1 CONSTRUCTION EMISSIONS SUMMARY

The SCAQMD Rules that are currently applicable during construction activity for this Project include but are not limited to: Rule 1113 (Architectural Coatings) (19); Rule 431.2 (Low Sulfur Fuel) (20); Rule 403 (Fugitive Dust) (21); and Rule 1186 / 1186.1 (Street Sweepers) (22). Notwithstanding, credit for BACMs AQ-1 (Rule 1113) and AQ-2 (Rule 403) have been taken.

The estimated maximum daily construction emissions are summarized on Table 3-4. Detailed construction model outputs are presented in Appendix 3.2. It should be noted that credit has been taken for reductions achieved through standard regulatory requirements, such as BACM AQ-1 and BACM AQ-2. Under the assumed scenarios, emissions resulting from the Project construction would not exceed numerical thresholds established by the SCAQMD for any criteria pollutant. Therefore, a less than significant impact would occur and no mitigation is required.



TABLE 3-4: EMISSIONS SUMMARY OF OVERALL CONSTRUCTION

Year	Emissions (pounds per day)					
	VOC	NOx	CO	SOx	PM10	PM2.5
2017	6.60	75.32	43.00	0.07	7.03	4.59
2018	5.80	65.36	38.80	0.09	1.47	4.11
2019	10.36	38.79	39.04	0.10	1.27	2.85
2020	9.86	35.19	35.19	0.10	1.27	2.62
2021	5.73	2.20	2.20	0.01	0.18	0.31
<b>Maximum Daily Emissions</b>	<b>6.60</b>	<b>75.32</b>	<b>43.00</b>	<b>0.07</b>	<b>7.03</b>	<b>4.59</b>
SCAQMD Regional Threshold	75	100	550	150	150	55
<b>Threshold Exceeded?</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

### 3.5 OPERATIONAL EMISSIONS

Operational activities associated with the proposed Project will result in emissions of VOCs, NOx, CO, SOx, PM10, and PM2.5. Operational emissions would be expected from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions

#### 3.5.1 AREA SOURCE EMISSIONS

##### Architectural Coatings

Over a period of time the buildings that are part of this Project will be subject to emissions resulting from the evaporation of solvents contained in paints, varnishes, primers, and other surface coatings as part of Project maintenance. The emissions associated with architectural coatings were calculated using the CalEEMod model.

##### Consumer Products

Consumer products include, but are not limited to detergents, cleaning compounds, polishes, personal care products, and lawn and garden products. Many of these products contain organic compounds which when released in the atmosphere can react to form ozone and other photochemically reactive pollutants. The emissions associated with use of consumer products were calculated based on defaults provided within the CalEEMod model.

##### Hearths/Fireplaces

The emissions associated with use of hearths/fireplaces were calculated based on assumptions provided in the CalEEMod model. The Project is required to comply with SCAQMD Rule 445, which prohibits the use of wood burning stoves and fireplaces in new development. In order to account for the requirements of this Rule, the unmitigated CalEEMod model estimates were

adjusted to remove wood burning stoves and fireplaces. As the project is required to comply with SCAQMD Rule 445, the removal of wood burning stoves and fireplaces is not considered "mitigation" although it must be identified as such in CalEEMod in order to treat the case appropriately.

#### Landscape Maintenance Equipment

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. The emissions associated with landscape maintenance equipment were calculated based on assumptions provided in the CalEEMod model.

### **3.5.2 ENERGY SOURCE EMISSIONS**

#### Combustion Emissions Associated with Natural Gas and Electricity

Electricity and natural gas are used by almost every project. Criteria pollutant emissions are emitted through the generation of electricity and consumption of natural gas. However, because electrical generating facilities for the Project area are located either outside the region (state) or offset through the use of pollution credits (RECLAIM) for generation within the SCAB, criteria pollutant emissions from offsite generation of electricity is generally excluded from the evaluation of significance and only natural gas use is considered. The emissions associated with natural gas use were calculated using the CalEEMod model.

### **3.5.3 MOBILE SOURCE EMISSIONS**

#### Vehicles

Project operational (vehicular) impacts are dependent on both overall daily vehicle trip generation and the effect of the Project on peak hour traffic volumes and traffic operations in the vicinity of the Project. The Project related operational air quality impacts derive primarily from vehicle trips generated by the Project. Trip characteristics available from the report, Legacy Park (Tentative Tract Map No. 36760) Trip Generation Evaluation (Urban Crossroads) 2016 were utilized in this analysis (23). A fleet mix consistent with the Caltrans ITS Transportation Project-Level Carbon Monoxide Protocol was used in this report in order to appropriately represent vehicular trips from a primarily residential development (24).

### **3.5.4 OPERATIONAL EMISSIONS SUMMARY**

The estimated operation-source emissions are summarized on Table 3-5. Detailed operation model outputs are presented in Appendix 3.2. Under the assumed scenarios, emissions resulting from the Project operations would not exceed the numerical thresholds established by the SCAQMD for any criteria pollutant. Therefore, a less than significant impact would occur and no mitigation is required.

TABLE 3-5: MAXIMUM DAILY OPERATIONAL EMISSIONS SUMMARY

Operational Activities – Summer Scenario	Emissions (pounds per day)					
	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Area Source	12.23	3.88	19.83	2.00E-02	0.40	0.40
Energy Source	0.24	2.07	0.88	1.00E-02	0.17	0.17
Mobile Source	4.34	30.90	50.51	0.21	15.16	4.15
<b>Total Maximum Daily Emissions</b>	<b>16.81</b>	<b>36.85</b>	<b>71.22</b>	<b>0.24</b>	<b>15.73</b>	<b>4.72</b>
SCAQMD Regional Threshold	55	55	550	150	150	55
<b>Threshold Exceeded?</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

Operational Activities – Winter Scenario	Emissions (pounds per day)					
	VOC	NO <sub>x</sub>	CO	SO <sub>x</sub>	PM <sub>10</sub>	PM <sub>2.5</sub>
Area Source	12.23	3.88	19.83	2.00E-02	0.40	0.40
Energy Source	2.40E-01	2.07	0.88	1.00E-02	0.17	0.17
Mobile Source	3.68	30.92	43.83	0.19	15.16	4.15
<b>Total Maximum Daily Emissions</b>	<b>16.15</b>	<b>36.87</b>	<b>64.54</b>	<b>0.22</b>	<b>15.73</b>	<b>4.72</b>
SCAQMD Regional Threshold	55	55	550	150	150	55
<b>Threshold Exceeded?</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>	<b>NO</b>

### 3.6 LOCALIZED SIGNIFICANCE - CONSTRUCTION ACTIVITY

#### BACKGROUND ON LOCALIZED SIGNIFICANCE THRESHOLD (LST) DEVELOPMENT

The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (Methodology) (19). The SCAQMD has established that impacts to air quality are significant if there is a potential to contribute or cause localized exceedances of the federal and/or state ambient air quality standards (NAAQS/CAAQS). Collectively, these are referred to as Localized Significance Thresholds (LSTs).

The significance of localized emissions impacts depends on whether ambient levels in the vicinity of any given project are above or below State standards. In the case of CO and NO<sub>2</sub>, if ambient levels are below the standards, a project is considered to have a significant impact if project emissions result in an exceedance of one or more of these standards. If ambient levels already exceed a state or federal standard, then project emissions are considered significant if they increase ambient concentrations by a measurable amount. This would apply to PM<sub>10</sub> and PM<sub>2.5</sub>; both of which are non-attainment pollutants.

The SCAQMD established LSTs in response to the SCAQMD Governing Board's Environmental Justice Initiative I-4. LSTs represent the maximum emissions from a project that will not cause or contribute to an exceedance of the most stringent applicable federal or state ambient air quality standard at the nearest residence or sensitive receptor. The SCAQMD states that lead agencies can use the LSTs as another indicator of significance in its air quality impact analyses.

LSTs were developed in response to environmental justice and health concerns raised by the public regarding exposure of individuals to criteria pollutants in local communities. To address the issue of localized significance, the SCAQMD adopted LSTs that show whether a project would cause or contribute to localized air quality impacts and thereby cause or contribute to potential localized adverse health effects. The analysis makes use of methodology included in the SCAQMD *Final Localized Significance Threshold Methodology* (LST Methodology) (25).

#### EMISSIONS CONSIDERED

SCAQMD's Methodology clearly states that "off-site mobile emissions from the Project should NOT be included in the emissions compared to LSTs (26)." Therefore, for purposes of the construction LST analysis only emissions included in the CalEEMod "on-site" emissions outputs were considered.

#### APPLICABILITY OF LSTs FOR THE PROJECT

For this Project, the appropriate Source Receptor Area (SRA) for the LST is the Perris monitoring station (SRA 24). LSTs apply to carbon monoxide (CO), nitrogen dioxide (NO<sub>2</sub>), particulate matter ≤ 10 microns (PM<sub>10</sub>), and particulate matter ≤ 2.5 microns (PM<sub>2.5</sub>). The SCAQMD produced look-up tables for projects less than or equal to 5 acres in size.

In order to determine the appropriate methodology for determining localized impacts that could occur as a result of Project-related construction, the following process is undertaken:

- The CalEEMod model is utilized to determine the maximum daily on-site emissions that will occur during construction activity.
- The SCAQMD's Fact Sheet for Applying CalEEMod to Localized Significance Thresholds (21) is used to determine the maximum site acreage that is actively disturbed based on the construction equipment fleet and equipment hours as estimated in CalEEMod.
- If the total acreage disturbed is less than or equal to five acres per day, then the SCAQMD's screening look-up tables are utilized to determine if a Project has the potential to result in a significant impact (the SCAQMD recommends that Projects exceeding the screening look-up tables undergo dispersion modeling to determine actual impacts). The look-up tables establish a maximum daily emissions threshold in pounds per day that can be compared to CalEEMod outputs.
- For projects that exceed 5 acres, the 5-acre LST look-up values can be used as a screening tool to determine which pollutants require detailed analysis.<sup>3</sup> This approach is conservative as it assumes that all on-site emissions would occur within a 5-acre area and would over predict potential localized impacts (i.e., more pollutant emissions occurring within a smaller area and within closer proximity to potential sensitive receptors). If the project exceeds the LST look-up values, then the SCAQMD recommends that project specific air quality modeling be performed.

<sup>3</sup> Personal communication with Mr. Ian MacMillan, November 17, 2011

**MAXIMUM DAILY DISTURBED-ACREAGE**

Table 3-6 is used to determine the maximum daily disturbed-acreage for purposes of modeling localized emissions. As shown, the proposed Project could actively disturb 3.0 acres per day for the grading phase of construction.

**TABLE 3-6: MAXIMUM DAILY DISTURBED-ACREAGE**

Construction Phase	Equipment Type	Equipment Quantity	Acres graded per 8 hour day	Operating Hours per Day	Acres graded per day
Grading	Rubber Tired Dozers	1	0.5	8	0.5
	Crawler Tractors	0	0.5	8	0
	Graders	1	0.5	8	0.5
	Scrapers	2	1	8	2
Total acres graded per day during Grading					3

**Sensitive Receptors**

Some people are especially sensitive to air pollution and are given special consideration when evaluating air quality impacts from projects. These groups of people include children, the elderly, persons with preexisting respiratory or cardiovascular illness, and athletes and others who engage in frequent exercise. Structures that house these persons or places where they gather to exercise are defined as “sensitive receptors”.

The nearest sensitive receptor is the residential community located immediately adjacent west of the Project site. Notwithstanding, the *Methodology* explicitly states that “*It is possible that a project may have receptors closer than 25 meters. Projects with boundaries located closer than 25 meters to the nearest receptor should use the LSTs for receptors located at 25 meters (27).*” Therefore, LSTs for receptors located at 25 meters were utilized in this AQIA.

**CONSTRUCTION-SOURCE EMISSIONS LST ANALYSIS**

Table 3-7 identifies the localized impacts at the nearest receptor location in the vicinity of the Project. As shown below, emissions during construction activity would not exceed the SCAQMD’s localized significance thresholds for any criteria pollutant and a less than significant impact would occur.

**TABLE 3-7: LOCALIZED SIGNIFICANCE SUMMARY CONSTRUCTION**

On-Site Grading Emissions	Emissions (pounds per day)			
	NO <sub>x</sub>	CO	PM <sub>10</sub>	PM <sub>2.5</sub>
Maximum Daily Emissions	75.22	41.70	6.77	4.52
SCAQMD Localized Threshold	203	1,114	9	5
Threshold Exceeded?	NO	NO	NO	NO



### 3.7 LOCALIZED SIGNIFICANCE – LONG-TERM OPERATIONAL ACTIVITY

The proposed project involves the construction and operation of 221 single family residential dwelling units. According to SCAQMD LST methodology, LSTs would apply to the operational phase of a proposed project, if the project includes stationary sources, or attracts mobile sources that may spend long periods queuing and idling at the site (e.g., transfer facilities and warehouse buildings). The proposed project does not include such uses, and thus, due to the lack of significant stationary source emissions, no long-term localized significance threshold analysis is needed.

### 3.8 CO “HOT SPOT” ANALYSIS

As discussed below, the Project would not result in potentially adverse CO concentrations or “hot spots.” Further, detailed modeling of Project-specific carbon monoxide (CO) “hot spots” is not needed to reach this conclusion.

An adverse CO concentration, known as a “hot spot”, would occur if an exceedance of the state one-hour standard of 20 ppm or the eight-hour standard of 9 ppm were to occur. At the time of the 1993 Handbook, the SCAB was designated nonattainment under the California AAQS and National AAQS for CO (28).

It has long been recognized that CO hotspots are caused by vehicular emissions, primarily when idling at congested intersections. In response, vehicle emissions standards have become increasingly stringent in the last twenty years. Currently, the allowable CO emissions standard in California is a maximum of 3.4 grams/mile for passenger cars (there are requirements for certain vehicles that are more stringent). With the turnover of older vehicles, introduction of cleaner fuels, and implementation of increasingly sophisticated and efficient emissions control technologies, CO concentration in the SCAB is now designated as attainment, as previously noted in Table 2-2. Also, CO concentrations in the Project vicinity have steadily declined, as indicated by historical emissions data presented previously at Table 2-3.

To establish a more accurate record of baseline CO concentrations affecting the SCAB, a CO “hot spot” analysis was conducted in 2003 for four busy intersections in Los Angeles at the peak morning and afternoon time periods. This “hot spot” analysis did not predict any violation of CO standards, as shown on Table 3-8.

Based on the SCAQMD's 2003 AQMP and the 1992 Federal Attainment Plan for Carbon Monoxide (1992 CO Plan), peak carbon monoxide concentrations in the SCAB were a result of unusual meteorological and topographical conditions and not a result of traffic volumes and congestion at a particular intersection. As evidence of this, for example, 9.3 ppm 8-hr CO concentration measured at the Long Beach Blvd. and Imperial Hwy. intersection (highest CO generating intersection within the “hot spot” analysis), only 0.7 ppm was attributable to the traffic volumes and congestion at this intersection; the remaining 8.6 ppm were due to the ambient air measurements at the time the 2003 AQMP was prepared (28). In contrast, the ambient 8-hr CO concentration within the Project study area is estimated at 1.4 ppm—1.6 ppm (please refer to previous Table 2-3). Therefore, even if the traffic volumes for the proposed Project were double

or even triple of the traffic volumes generated at the Long Beach Blvd. and Imperial Hwy. intersection, coupled with the on-going improvements in ambient air quality, the Project would not be capable of resulting in a CO “hot spot” at any study area intersections.

Similar considerations are also employed by other Air Districts when evaluating potential CO concentration impacts. More specifically, the Bay Area Air Quality Management District (BAAQMD) concludes that under existing and future vehicle emission rates, a given project would have to increase traffic volumes at a single intersection by more than 44,000 vehicles per hour—or 24,000 vehicles per hour where vertical and/or horizontal air does not mix—in order to generate a significant CO impact (29).

Traffic volumes generating the CO concentrations for the “hot spot” analysis, shown on Table 3-9. The busiest intersection evaluated was that at Wilshire Blvd. and Veteran Ave., which has a daily traffic volume of approximately 100,000 vehicles per day. The 2003 AQMP estimated that the 1-hour concentration for this intersection was 4.6 ppm; this indicates that, should the daily traffic volume increase four times to 400,000 vehicles per day, CO concentrations (4.6 ppm x 4= 18.4 ppm) would still not likely exceed the most stringent 1-hour CO standard (20.0 ppm).<sup>4</sup> At buildout of the Project, the highest average daily trips on a segment of road would be 44,300 daily trips on Perris Blvd.) south of John F. Kennedy Dr., which is lower than the highest daily traffic volumes generated at the busiest intersection in the CO “hot spot” analysis (30).

The proposed Project considered herein would not produce the volume of traffic required to generate a CO “hot spot” either in the context of the 2003 Los Angeles hot spot study, or based on representative BAAQMD CO threshold considerations, as shown on Table 3-10. Therefore, CO “hot spots” are not an environmental impact of concern for the proposed Project. Localized air quality impacts related to mobile-source emissions would therefore be less than significant.

**TABLE 3-8: CO MODEL RESULTS**

Intersection Location	Carbon Monoxide Concentrations (ppm)		
	Morning 1-hour	Afternoon 1-hour	8-hour
Wilshire-Veteran	4.6	3.5	4.2
Sunset-Highland	4	4.5	3.9
La Cienega-Century	3.7	3.1	5.8
Long Beach-Imperial	3	3.1	9.3

Source: 2003 AQMP

Notes: ppm: parts per million. Federal 1-hour standard is 35 ppm and the deferral 8-hour standard is 9.0 ppm.

<sup>4</sup> Based on the ratio of the CO standard (20.0 ppm) and the modeled value (4.6 ppm).

TABLE 3-9: TRAFFIC VOLUMES

Intersection Location	Peak Traffic Volumes (vph)				
	Northbound (AM/PM)	Southbound (AM/PM)	Eastbound (AM/PM)	Westbound (AM/PM)	Total (AM/PM)
Wilshire-Veteran	560/933	721/1,400	4,954/2,069	1,830/3,317	8,062/7,719
Sunset-Highland	1,551/2,238	2,304/1,832	1,417/1,764	1,342/1,540	6,614/5,374
La Cienega-Century	821/1,674	1,384/2,029	2,540/2,243	1,890/2,728	6,634/8,674
Long Beach-Imperial	756/1,150	479/944	1,217/2,020	1,760/1,400	4,212/5,514

Source: 2003 AQMP

Notes: vph-vehicles per hour

TABLE 3-10: PROJECT PEAK HOUR TRAFFIC VOLUMES

Intersection Location	Peak Traffic Volumes (vph)				
	Northbound (AM/PM)	Southbound (AM/PM)	Eastbound (AM/PM)	Westbound (AM/PM)	Total (AM/PM)
Indian St./ Cactus Ave.	391/	499/	1,261/	753/	2,904/
Elliot Rd./ Jean Nicholas Rd.	1,459/	1,430/	1,074/	663/	4,625/
Perris Blvd./ John F. Kennedy Dr.	1,646/	1,537/	547/	516/	4,245/
Perris Blvd./ Iris Ave.	1,400/	1,344/	614/	764/	4,122/

Source: Legacy Park (Tentative Tract Map No. 36760) Traffic Impact Analysis (Urban Crossroads, Inc., 2016).

### 3.9 AIR QUALITY MANAGEMENT PLANNING

The Project site is located within the SCAB, which is characterized by relatively poor air quality. The SCAQMD has jurisdiction over an approximately 10,743 square-mile area consisting of the four-county Basin and the Los Angeles County and Riverside County portions of what use to be referred to as the Southeast Desert Air Basin. In these areas, the SCAQMD is principally responsible for air pollution control, and works directly with the Southern California Association of Governments (SCAG), county transportation commissions, local governments, as well as state and federal agencies to reduce emissions from stationary, mobile, and indirect sources to meet state and federal ambient air quality standards.

Currently, these state and federal air quality standards are exceeded in most parts of the Basin. In response, the SCAQMD has adopted a series of Air Quality Management Plans (AQMPs) to meet the state and federal ambient air quality standards. AQMPs are updated regularly in order to more effectively reduce emissions, accommodate growth, and to minimize any negative fiscal impacts of air pollution control on the economy.

The Final 2012 AQMP was adopted by the AQMD Governing Board on December 7, 2012 (31) (15). The 2012 AQMP incorporates the latest scientific and technological information and planning assumptions, including the 2012 Regional Transportation Plan/Sustainable Communities Strategy and updated emission inventory methodologies for various source categories.

Similar to the 2007 AQMP, the 2012 AQMP was based on assumptions provided by both CARB and SCAG in the latest available EMFAC model for the most recent motor vehicle and demographics information, respectively. The air quality levels projected in the 2012 AQMP are based on several assumptions. For example, the 2012 AQMP has assumed that development associated with general plans, specific plans, residential projects, and wastewater facilities will be constructed in accordance with population growth projections identified by SCAG in its 2012 RTP. The 2012 AQMP also has assumed that such development projects will implement strategies to reduce emissions generated during the construction and operational phases of development.

In June 2016, the AQMD released the draft 2016 AQMP for public review. The 2016 draft AQMP continues to evaluate current integrated strategies and control measures to meet the NAAQS, as well as, explore new and innovative methods to reach its goals. Some of these approaches include utilizing incentive programs, recognizing existing co-benefit programs from other sectors, and developing a strategy with fair-share reductions at the federal, state, and local levels (32). As the draft 2016 AQMP has not been formally adopted by the AQMD, the Project's consistency with the AQMP will be determined using the 2012 AQMP, discussed below.

Criteria for determining consistency with the AQMP are defined in Chapter 12, Section 12.2 and Section 12.3 of the SCAQMD's CEQA Air Quality Handbook (1993) (33). These indicators are discussed below:

- Consistency Criterion No. 1: The proposed Project will not result in an increase in the frequency or severity of existing air quality violations or cause or contribute to new violations, or delay the timely attainment of air quality standards or the interim emissions reductions specified in the AQMP.

### **Construction Impacts**

Consistency Criterion No. 1 refers to violations of the CAAQS and NAAQS. CAAQS and NAAQS violations would occur LSTs were exceeded. As evaluated as part of the Project LST analysis (previously presented), the Project's localized construction-source emissions would not exceed applicable LSTs.

### **Operational Impacts**

The Project regional analysis demonstrates that Project operational-source emissions would not exceed applicable thresholds, and would therefore not result in or cause violations of the CAAQS and NAAQS.

On the basis of the preceding discussion, the Project is determined to be consistent with the first criterion.

- Consistency Criterion No. 2: The Project will not exceed the assumptions in the AQMP based on the years of Project build-out phase.

## **Overview**

The 2012 AQMP demonstrates that the applicable ambient air quality standards can be achieved within the timeframes required under federal law. Growth projections from local general plans adopted by cities in the district are provided to the Southern California Association of Governments (SCAG), which develops regional growth forecasts, which are then used to develop future air quality forecasts for the AQMP. Development consistent with the growth projections in the City of Moreno Valley General Plan (referred to as the “General Plan”) is considered to be consistent with the AQMP.

## **Construction Impacts**

Peak day emissions generated by construction activities are largely independent of land use assignments, but rather are a function of development scope and maximum area of disturbance. Irrespective of the site’s land use designation, development of the site to its maximum potential would likely occur, with disturbance of the entire site occurring during construction activities.

## **Operational Impacts**

The General Plan currently designates the Project site as a Suburban Residential Use. The Project is currently zoned as “R-5” and “R-30”, which allows a maximum density of 5 dwellings per acre and 30 dwelling units per acre, respectively (34).

The Project proposes to construct 221 single-family residential dwelling units, with a density of 4.18 dwelling units per acre, which is permitted under both the R-5 and R-30 zones. Furthermore, the Project is proposing a partial zone change for the R-30 zoned area to R-5, which would decrease the maximum allowed density from 30 dwelling units per acre to 5 dwelling units per acre. As such, the partial zone change to R-5 would be more conservative than the existing zone and would be more consistent with the Project. Additionally, the Project would not exceed any applicable regional or local thresholds. As such, the development proposed by the Project is generally consistent with the goals and objectives of the AQMP.

On the basis of the preceding discussion, the Project is determined to be consistent with the second criterion.

## **AQMP Consistency Conclusion**

The Project would not result in or cause NAAQS or CAAQS violations. The Project would not increase the growth intensities allowed in the General Plan. Furthermore, the Project would not exceed any applicable regional or local thresholds. As such, the Project is therefore considered to be consistent with the AQMP.

### **3.10 POTENTIAL IMPACTS TO SENSITIVE RECEPTORS**

The potential impact of Project-generated air pollutant emissions at sensitive receptors has also been considered. Sensitive receptors can include uses such as long term health care facilities, rehabilitation centers, and retirement homes. Residences, schools, playgrounds, child care centers, and athletic facilities can also be considered as sensitive receptors.



Results of the LST analysis indicate that the Project would not exceed the SCAQMD localized significance thresholds during construction. Therefore, sensitive receptors would not be subject to a significant air quality impact during Project construction.

Results of the LST analysis indicate that the Project would not exceed the SCAQMD localized significance thresholds during operational activity. The proposed Project would not result in a CO “hotspot” as a result of Project related traffic during ongoing operations, nor would the Project result in a significant adverse health impact as discussed in Section 3.8. Thus a less than significant impact to sensitive receptors during operational activity is expected.

### 3.11 ODORS

The potential for the Project to generate objectionable odors has also been considered. Land uses generally associated with odor complaints include:

- Agricultural uses (livestock and farming)
- Wastewater treatment plants
- Food processing plants
- Chemical plants
- Composting operations
- Refineries
- Landfills
- Dairies
- Fiberglass molding facilities

The Project does not contain land uses typically associated with emitting objectionable odors. Potential odor sources associated with the proposed Project may result from construction equipment exhaust and the application of asphalt and architectural coatings during construction activities and the temporary storage of typical solid waste (refuse) associated with the proposed Project’s (long-term operational) uses. Standard construction requirements would minimize odor impacts from construction. The construction odor emissions would be temporary, short-term, and intermittent in nature and would cease upon completion of the respective phase of construction and is thus considered less than significant. It is expected that Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with the City’s solid waste regulations. The proposed Project would also be required to comply with SCAQMD Rule 402 to prevent occurrences of public nuisances. Therefore, odors associated with the proposed Project construction and operations would be less than significant and no mitigation is required.

### 3.12 CUMULATIVE IMPACTS

The Project area is designated as an extreme non-attainment area for ozone, and a non-attainment area for PM<sub>10</sub>, PM<sub>2.5</sub>, and lead.

The AQMD has published a report on how to address cumulative impacts from air pollution: *White Paper on Potential Control Strategies to Address Cumulative Impacts from Air Pollution* (35). In this report the AQMD clearly states (Page D-3):

*“...the AQMD uses the same significance thresholds for project specific and cumulative impacts for all environmental topics analyzed in an Environmental Assessment or EIR. The only case where the significance thresholds for project specific and cumulative impacts differ is the Hazard Index (HI) significance threshold for toxic air contaminant (TAC) emissions. The project specific (project increment) significance threshold is  $HI > 1.0$  while the cumulative (facility-wide) is  $HI > 3.0$ . It should be noted that the HI is only one of three TAC emission significance thresholds considered (when applicable) in a CEQA analysis. The other two are the maximum individual cancer risk (MICR) and the cancer burden, both of which use the same significance thresholds (MICR of 10 in 1 million and cancer burden of 0.5) for project specific and cumulative impacts.*

*Projects that exceed the project-specific significance thresholds are considered by the SCAQMD to be cumulatively considerable. This is the reason project-specific and cumulative significance thresholds are the same. Conversely, projects that do not exceed the project-specific thresholds are generally not considered to be cumulatively significant.”*

Therefore, this analysis assumes that individual projects that do not generate operational or construction emissions that exceed the SCAQMD’s recommended daily thresholds for project-specific impacts would also not cause a cumulatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Alternatively, individual project-related construction and operational emissions that exceed SCAQMD thresholds for project-specific impacts would be considered cumulatively considerable.

#### **CRITERION 1; REGIONAL EMISSIONS ANALYSIS**

##### Construction Impacts

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that Project construction-source air pollutant emissions would not result in exceedances of regional thresholds. Therefore, Project construction-source emissions would be considered less than significant on a project-specific and cumulative basis.

##### Operational Impacts

The Project-specific evaluation of emissions presented in the preceding analysis demonstrates that Project operational-source air pollutant emissions would not result in exceedances of regional thresholds. Therefore, Project operational-source emissions would be considered less than significant on a project-specific and cumulative basis.

#### **CRITERION 2; LOCAL EMISSIONS ANALYSIS UTILIZING LIST APPROACH**

A list approach is used, in accordance with Section 15130(b) of the CEQA Guidelines, which states the following:

*The following elements are necessary to an adequate discussion of significant cumulative impacts: 1) Either: (A) A list of past, present, and probable future projects producing related or cumulative impacts, including, if necessary, those projects outside the control of the agency, or (B) A summary of projections contained in an adopted general plan or related planning document, or in a prior environmental document which has been adopted or certified, which described or evaluated regional or area wide conditions contributing to the cumulative impact.*

The SCAQMD has recognized that there is typically insufficient information to quantitatively evaluate the cumulative contributions of multiple projects because each project applicant has no control over nearby projects. Nevertheless, the potential cumulative impacts from the Project and other projects are discussed below. A cumulative project list was developed for this analysis and is shown in Table 3-11.

Related projects could contribute to an existing or projected air quality exceedance because the Basin is currently nonattainment for ozone, PM10, and PM2.5. With regard to determining the significance of the contribution from the Project, the SCAQMD recommends that any given project's potential contribution to cumulative impacts should be assessed using the same significance criteria as for project-specific impacts. Therefore, this analysis assumes that individual projects that do not generate operational or construction emissions that exceed the SCAQMD's recommended daily thresholds for project-specific impacts would also not cause a commutatively considerable increase in emissions for those pollutants for which the Basin is in nonattainment, and, therefore, would not be considered to have a significant, adverse air quality impact. Alternatively, individual project-related construction and operational emissions that exceed SCAQMD thresholds for project-specific impacts would be considered cumulatively considerable. As previously noted, the Project would not result in any construction-source or operational-source emissions exceedances. Therefore the Project would result in a less than significant impact on a project-specific and cumulative basis.

**TABLE 3-11: CUMULATIVE LIST OF PROJECTS**

TAZ	Project Name	Land Use <sup>1</sup>	Quantity	Units <sup>2</sup>
<b>CITY OF MORENO VALLEY</b>				
MV-1	PA 06-0152 & PA 06-0153 (First Park Nandina I & II)	High-Cube Warehouse	483.767	TSF
MV-2	Bella Vista Apartments	Apartments	220.00	DU
MV-3	PA 04-0063 (Centerpointe Buildings 8 and 9)	General Light Industrial	361.384	TSF
MV-4	PA 07-0035; PA 07-0039 (Moreno Valley Industrial Park)	General Light Industrial	204.657	TSF
		High-Cube Warehouse	409.920	TSF
MV-5	First Inland Logistics Center	High-Cube Warehouse	400.130	TSF
MV-6	Indian Street Commerce Center Project	High-Cube Warehouse	436.350	TSF
MV-7	PA 08-0093 (Centerpointe Business Park II)	General Light Industrial	99.988	TSF
MV-8	PA 06-0021; PA 06-0022; PA 06-0048; PA 06-0049 (Komar Investments)	Warehousing	287.100	TSF
MV-9	PA 06-0017 (Ivan Devries)	Industrial Park	569.200	TSF
MV-10	Modular Logistics (Dorado Property)	High-Cube Warehouse	1109.378	TSF
MV-11	PA 09-0004 (Vogel)	High-Cube Warehouse	800.000	TSF

	Sares Regis	High-Cube Warehouse	1600.000	TSF
MV-12	TM 34748	SFDR	135	DU
MV-13	First Nandina Logistics Center	High-Cube Warehouse	1450.000	TSF
MV-14	First Park Nandina III	High-Cube Warehouse	691.960	TSF
	Moreno Valley Commerce Park	High-Cube Warehouse	354.321	TSF
MV-15	March Business Center	General Light Industrial	16.732	TSF
		Warehousing	87.429	TSF
		High-Cube Warehouse	1380.246	TSF
MV-16	TM 33810	SFDR	16	DU
MV-17	TM 34151	SFDR	37	DU
MV-18	373K Industrial Facility	High-Cube Warehouse	373.030	TSF
MV-19	TM 32716	SFDR	57	DU
MV-20	TM 33417	Condo/Townhomes	60	DU
MV-21	TM 34988	Condo/Townhomes	271	DU
MV-22	TM 34216	Condo/Townhomes	39	DU
MV-23	TM 34681	Condo/Townhomes	49	DU
MV-24	PA 08-0079-0081 (WinCo Foods)	Discount Supermarket	95.440	TSF
		Specialty Retail	14.800	TSF
MV-25	Moreno Beach Marketplace (Lowe's)	Commercial Retail	175.000	TSF
	Auto Mall Specific Plan (Planning Area C)	Commercial Retail	304.500	TSF
	Westridge	High-Cube Warehouse	937.260	TSF
	ProLogis	High-Cube Warehouse	1916.190	TSF
		Warehousing	328.448	TSF
	World Logistics Center	High-Cube Warehouse	41400.000	TSF
		Warehousing	200.000	TSF
		Gas Station w/ Market	12	VFP
Existing SFDR		7	DU	
MV-26	a TR 32460 (Sussex Capital)	SFDR	57	DU
	b TR 32459 (Sussex Capital)	SFDR	11	DU
	c TR 30411 (Pacific Communities)	SFDR	24	DU
	d TR 33962 (Pacific Scene Homes)	SFDR	31	DU
	e TR 30998 (Pacific Communities)	SFDR	47	DU
MV-27	a P06-158 (Gascon)	Commercial Retail	116.360	TSF
	b Auto Mall Specific Plan (PAC)	Commercial Retail	304.500	TSF
	c ProLogis	SFDR	126	DU
		High-Cube Warehouse	1529.498	TSF
	d TR 35823 (Stowe Passco)	SFDR	261	DU
Apartments		216	DU	
MV-28	TR 36340	SFDR	275	DU
MV-29	a TR 31771 (Sanchez)	SFDR	25	DU
	b TR 34397 (Winchester Associates)	SFDR	52	DU
	c TR 32645 (Winchester Associates)	SFDR	53	DU
MV-30	Lowe's (Moreno Beach Marketplace)	Home Improvement Store	175.000	TSF
MV-31	a Senior Assisted Living	Assisted Living Units	139	DU
	b TR 31590 (Winchester Associates)	SFDR	96	DU
	c TR 32548 (Gabel, Cook & Associates)	SFDR	107	DU
	d TR 32218 (Whitney)	SFDR	63	DU

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	e Medical Plaza	Medical Offices	311.633	TSF
MV-32	a Moreno Medical Campus	Medical Offices	80.000	TSF
	b Aqua Bella Specific Plan	SFDR	2,922	DU
	c TR 34329 (Granite Capitol)	SFDR	90	DU
	d Cresta Bella	General Office	30.000	TSF
MV-33	Moreno Valley Industrial Center (Industrial Area SP)	General Light Industrial	354.810	TSF
MV-34	Centerpointe Business Park	General Light Industrial	356.000	TSF
MV-35	Moreno Valley Shopping Center	Free Standing Discount Store	189.520	TSF
		Gas Station w/ Market / Car Wash	16	VFP
MV-36	TR 31305 / Richmond American	Residential	87	DU
MV-37	TR 34329 / Granite Capitol	Residential	90	DU
MV-38	TR 31814 / Moreno Valley Investors	Residential	60	DU
MV-39	TR 33771 / Creative Design Associates	Residential	12	DU
MV-40	TR 35663 / Kha	Residential	12	DU
MV-41	TR 22180 / Young Homes	Residential	140	DU
MV-42	TR 32515	Residential	161	DU
MV-43	TR 32142	Residential	81	DU
MV-44	San Michele Industrial Center (Industrial Area SP)	General Light Industrial	865.960	TSF
MV-45	Commercial Medical Plaza	Medical Offices	311.633	TSF
MV-46	Edgemont Street, South of Eucalyptus Av. (PA14-0042)	Apartments	112	DU
MV-47	28860 Professor's Fun IV, LLC/Winchester Associates, Inc.	SFDR	9	DU
MV-48	20636 Pacific Communities	SFDR	67	DU
MV-49	31297 Randy McFarland	SFDR	7	DU
MV-50	31394 Pigeon Pass, Ltd.	SFDR	78	DU
MV-51	31442 SKG Pacific Enterprises Inc.	SFDR	63	DU
MV-52	31517 Professors Prop Six/Winchester Assoc.	SFDR	83	DU
MV-53	31621 Peter Sanchez	SFDR	25	DU
MV-54	32005 Red Hill Village, LLC	SFDR	214	DU
MV-55	32126 Salvador Torres	SFDR	35	DU
MV-56	32194 Arman Pezeshkifar	SFDR	32	DU
MV-57	32408 Sanstone Inc.	SFDR	80	DU
MV-58	32844 Winchester Associates	SFDR	17	DU
MV-59	32978 Focus Estates	SFDR	19	DU
MV-60	33024 Adam Wislar	SFDR	8	DU
MV-61	33275 Jose Guzman	SFDR	4	DU
MV-62	33388 SCH Development, LLC	SFDR	16	DU
MV-63	33436 Winchester Associates	SFDR	105	DU
MV-64	33963 Rance Garrett	SFDR	31	DU
MV-65	34043 RM3 Building and Development	SFDR	12	DU
MV-66	31621 Beazer Homes	SFDR	274	DU
MV-67	30268 Pacific Communities	SFDR	83	DU
MV-68	31414 GRF - Majestic Hills	SFDR	31	DU
	Tract 31618	SFDR	55	DU
MV-69	31494 Winchester Associates	SFDR	12	DU



MV-70	32715 GFR - Trinity	SFDR	30	DU
MV-71	33256 Granite Homes	SFDR	79	DU
MV-72	32711 Isaac Genah	SFDR	9	DU
MV-73	35530 Moreno Gilman 650, LLC-Quail Ranch	SFDR	1,105	DU
MV-74	35534 Leedco Engineers	SFDR	12	DU
MV-75	36436 CV Communities	SFDR	159	DU
MV-76	36401 Continental East Fund III, LLC	SFDR	92	DU
MV-77	32215 Winchester Associates "Scottish Village"	MFDR	194	DU
MV-78	32756 Jimmy Lee	MFDR	24	DU
MV-79	35369 Tason Myers Property	MFDR	12	DU
MV-80	35414 Lincoln Property Co. Southwest	MFDR	266	DU
MV-81	35769 Michael Chen	MFDR	16	DU
MV-82	PA09-0006 Jim Nydam	MFDR	15	DU
MV-83	35861 Frederick Homes	MFDR	24	DU
MV-84	36038 Alessandro Village Plaza, LLC	MFDR	96	DU
MV-85	35304 Jimmy Lee	MFDR	12	DU
MV-86	Alessandro & Lasselle	Shopping Center	140.000	TSF
MV-87	Food 4 Less - Fueling Station	Gas Station with Convenience Market	16	VFP
MV-88	El Paso (food court)	Fast Food no Drive Thru	--	TSF
MV-89	O'Reilly Automotive	Automobile Parts Sale	7.500	TSF
	PA15-004	Retail/Restaurant/Fast Food	2.973	TSF
MV-90	Moreno Valley Logistics	High-Cube Warehouse	1351.770	TSF
		Light Industrial	385.748	TSF
MV-91	Restaurant	Restaurant	9.000	TSF
MV-92	Rancho Belago Plaza - Retail	Retail	14.000	TSF
MV-93	Yum Yum Donut Shop	Coffee/Donut Shop w/o Drive-Thru	4.351	TSF
MV-94	Hawthorn Inn & Suites	Hotel	79	RMS
MV-95	Sleep Inn Suites	Hotel	66	RMS
MV-96	Integrated Care Communities	Nursing Home	44.000	TSF
MV-97	Kaiser Permanente - Emergency Room Expansion	Medical Offices	--	TSF
MV-98	Moreno Valley Professional Center	General Office	84.000	TSF
MV-99	Olivewood Plaza - Office Building	General Office	23.000	TSF
MV-100	Renaissance Village of Moreno Valley	Senior Adult Housing-Attached	44	DU
MV-101	Riverside County Office Building	General Office	52.000	TSF
MV-102	Gateway Business Park	Residential Condo/Townhouse	34	DU
MV-103	Shaw Development	High-Cube Warehouse	367.000	TSF
MV-104	IDS/Real Estate Group - Nandina Distribution Center	High-Cube Warehouse	697.000	TSF
MV-105	Stoneridge Town Centre - Vacant Restaurant	Restaurant	5700.000	TSF
MV-106	Ironwood Residential	SFDR	144	DU
MV-107	TTM 31592 (P 13-078) Covey Ranch	SFDR	115	DU
MV-108	PA 06-0014 (Pierce Hardy Limited Partnership)	Lumbar Yard	67.000	TSF
MV-109	P06-1408	Retail	75.300	TSF

MV-110	PA13-009	Gas Station	16	VFP
MV-111	Moval Assemblage	High-Cube Warehouse	459.945	TSF
<b>MARCH JOINT POWERS AUTHORITY</b>				
MA-1	March Lifecare Campus Specific Plan <sup>4</sup>	Medical Offices	190.000	TSF
		Commercial Retail	210.000	TSF
		Research & Education	200.000	TSF
		Hospital	50	Beds
		Institutional Residential	660	Beds
MA-2	Airport Master Plan	Airport Use	559.000	TSF
MA-3	Freeway Business Center (March JPA)	High-Cube Warehouse	710.083	TSF
<b>COUNTY OF RIVERSIDE</b>				
RC-1	SP 341; PP 21552 (Majestic Freeway Business Center)	High-Cube Warehouse	6100.715	TSF
RC-2	PP 20699 (Oleander Business Park)	Warehousing	1206.710	TSF
RC-3	Ramona Metrolink Station	Light Rail Transit Station	300	SP
RC-4	PP 22925 (Amstar/Kaliber Development)	Office (258.102 TSF)	258.102	TSF
		Warehousing	409.312	TSF
		General Light Industrial	42.222	TSF
		Retail	10.000	TSF
RC-5	Alessandro Metrolink Station	Light Rail Transit Station	300	SP
RC-6	Meridian Business Park North	Industrial Park	5985.000	TSF
RC-7	PP 18908	General Light Industrial	133.000	TSF
RC-8	Tract 33869	SFDR	39.000	DU
RC-9	PP 16976	General Light Industrial	85.000	TSF
RC-10	PP 21144	Industrial Park	190.802	TSF
RC-11	a Villages of Lakeview	SFDR	860	DU
		Condo/Townhomes	1,920	DU
		Elementary School	1,200	STU
		Commercial Retail	100.000	TSF
		Soccer Complex	12	Fields
		City Park	8.9	AC
		County Park	8.1	AC
		Regional Park	107.1	AC
	b Motte Lakeview Ranch	SFDR	847	DU
		Condo/Townhomes	686	DU
		Apartments	467	DU
		Elementary School	650	STU
		Middle School	300	STU
		Commercial Retail	120.000	TSF
Regional Park	177.0	AC		
RC-12	CUP03315	Gas Station w/ Market	17	VFP
		Fast Food w/o Drive Thru	5.600	TSF
		High-Turnover Restaurant	6.500	TSF
RC-13	PP23342	Industrial Park	180.600	TSF
RC-14	TR30592	SFDR	131	DU

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RC-15	Rider Street Quarry	Quarry	2500.0	AC
RC-16	PP 20711	Manufacturing	20.0	AC
	Yocum Baldwin	Warehousing	46.8	AC
RC-17	March Business Center - South Campus	Shopping Center	108.900	TSF
		Industrial Park	1336.700	TSF
		Large Industrial Park	3269.000	TSF
		General Office Building	140.600	TSF
		Manufacturing	215.600	TSF
		Warehousing	1379.200	TSF
		Park	50.0	AC
		R&D	1611.800	TSF
RC-18	Ben Clark Training Facility	Students	5,045	STU
		Employees	354	EMP
RC-19	PP 20103	Gen. Light Industrial	290.985	TSF
RC-20	Nuevo Business Park	Gen. Light Industrial	357.156	TSF
		Warehousing	1767.618	TSF
RC-21	Meridian (March Business Park SP)	Business Park	41917.000	TSF
RC-22	Blanding Assemblage	High-Cube Warehouse	707.880	TSF
RC-23	CUP 03527	Warehousing	8.000	TSF
RC-24	CUP 03599	Hotel	52.798	TSF
RC-25	PP 24608	Retail	9.280	TSF
RC-26	PM 32699	SFDR	2.00	DU
RC-27	PP 25699	Fast-Food w/Drive Thru	2.800	TSF
		Retail	19.000	TSF
RC-28	TR 30592	SFDR	131.00	DU
RC-29	PP 25768	Manufacturing	52.450	TSF
RC-30	CUP 03620R1	Gas Station w/ Market	8.00	VFP
RC-31	TTM 33410 Box Springs	SFDR	142	DU
RC-32	Knox Logistics	High-Cube Warehouse	1,259.050	TSF
RC-33	University Highlands	SFDR	405	DU
		Condo/Townhomes	320	DU
		Apartments	1,475	DU
		Shopping Center	50.0	TSF
		Parks	42.4	AC
<b>CITY OF RIVERSIDE</b>				
R-1	P07-1028 (Alessandro Business Park)	General Light Industrial	662.018	TSF
	Alessandro and Gorgonio	Fast Food w/Drive Thru	4.050	TSF
R-2	Alessandro Bl. (APN 263-091-008; 263-100-019; 263-100-005; P14-0841 to 0848)	Commercial and Industrial Complex	101.580	TSF
R-3	California Baptist University Specific Plan	University	157.0	AC
R-4	Canyon Springs Specific Plan	Hospital	280	BEDS
		Medical-Dental Office	370.000	TSF
		Senior Adult Housing-Attached	234	DU
		Assisted Living	267	BEDS
R-5	Citrus Business Park Specific Plan	Industrial Business Park	49.0	AC
R-6	Downtown Specific Plan	Residential	5,000	DU
R-7	Hunter Business Park	Industrial	1300.0	AC
R-8	La Sierra University Specific Plan	Mixed-Use		

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

R-9	Magnolia Avenue Specific Plan	Mixed-Use/Very High Residential	1473.0	AC
R-10	Marketplace Specific Plan	Commercial Retail/Office	200.0	AC
R-11	Mission Grove Specific Plan	Business/Office Park	56.8	AC
		Commercial Retail	68.1	AC
		High Density Residential	53.8	AC
		Low Density Residential	78.4	AC
		Medium Density Residential	155.3	AC
R-12	Orangecrest Specific Plan	Rural Residential	2.1	AC
		Business/Office Park	2.7	AC
		Commercial Retail	139.0	AC
		High Density Residential	13.7	AC
		Low Density Residential	540.8	AC
		Medium Density Residential	1217.8	AC
		Public Facilities/Institutions	121.6	AC
	Public Park	59.5	AC	
R-13	Rancho La Sierra Specific Plan	SFDR	598	DU
R-14	Riverside Auto Center Specific Plan	Auto Center		
R-15	Riverwalk Vista Specific Plan	Residential	402	DU
R-16	Sycamore Canyon Specific Plan	Hillside Residential	41.8	AC
		Low Density Residential	97.3	AC
		Medium Density Residential	14.8	AC
		Very Low Density Residential	884.2	AC
		Public Park	27.9	AC
R-17	Sycamore Canyon Business Park Specific Plan	Business/Office Park	847.2	AC
		Commercial Retail	10.3	AC
R-18	Sycamore-Highlands Specific Plan	Commercial Retail	14.6	AC
		High Density Residential	52.2	AC
		Medium Density Residential	99.1	AC
		Public Facilities	1.6	AC
			144.2	AC
		Very Low Density Residential	49.1	AC
R-19	University Avenue Specific Plan	Mixed-Use	Varies	
R-20	807 Blaine Street (P09-0717; P09-0718)	Apartments	55	DU
R-21	2340 Fourteenth Street (P09-0808; P08-0809)	Senior Housing	134	BEDS
R-22	Park Sierra Avenue (P14-0026; P14-0027)	Fast Food w/Drive Thru	3.500	TSF
R-23	6287 Day Street (P10-0090; P10-0091)	Gas Station	2	VFP
	2570 Canyon Springs Parkway (P08-0274; P08-0275)	Bank w/ Drive Thru	2.746	TSF

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

	6211 Valley Springs Parkway (Steak 'N Shake Restaurant; P14-0536)	Fast Food w/Drive Thru	3.750	TSF
R-24	N. of Van Buren Boulevard; W. of Wood Street (P10-0808; P10-0708)	Fast Food w/Drive Thru	2.361	TSF
R-25	E. of Commerce St., between Mission Inn Av. and Ninth St. (P14-0045; P14-0046; P14-0047; P14-0048; P14-0049)	Apartments	208	DU
R-26	NWC of Riverwalk Parkway and Flat Rock Drive (P12-0019; P12-0156; P12-0158)	Convenience Store	2.400	TSF
		Coffee Shop	3.946	TSF
R-27	3875 Dawes Street (P10-0438; Magnolia Garden Condominiums)	Condo/Townhomes	62	DU
R-28	5938-5944 Grand Avenue (P12-0266; P12-0267; P12-0268)	Senior Housing	37	DU
R-29	4445 Magnolia Avenue (P13-0207; P13-0208; P13-0209; P13-0210; P13-0211)	Hospital Expansion	Varies	
R-30	SR-91/Van Buren Commercial	Commercial Retail	23.565	TSF
R-31	360 Alessandro Boulevard (P12-0419; P12-0557; P12-0558; P12-0559)	Bank	3.858	TSF
R-32	6465 Sycamore Canyon Boulevard	Health Club	4.000	TSF
R-33	2450 Market Street (P13-0087; P13-0262)	Apartments	77	DU
R-34	6091 Victoria Avenue (P13-0432)	Day Care	1.831	TSF
R-35	14601 Dauchy Av. - TM 36370 (P12-0601; P12-0697; P12-0698)	SFDR	10	DU
	TM 32180 (P07-1073)	SFDR	9	DU
	18875 Moss Road	SFDR	8	DU
	South of Clarke St., west of Crystal View Terrace (PM 34583' {09-0141; P09-173)	SFDR	3	DU
R-36	4824 Jones Avenue (P13-0181; P13-0182)	Church	23.124	TSF
R-37	2586 University avenue (P13-0650; P13-0651)	Bed and Breakfast	3.618	TSF
R-38	18580 Van Buren Boulevard (P08-0402; P13-0822)	Auto Repair Shop	8.142	TSF
R-39	4247 Van Buren Boulevard (P13-0785; P13-0787)	Church Expansion	12.166	TSF
R-40	SWC of Lurin Avenue and Wood Road (P06-0900; P08-0269; P08-0270; TTM 32301)	SFDR	20	DU
R-41	8616 California Avenue (P08-0084; PM 35852)	Condo/Townhomes	21	DU
R-42	19811 Lurin Avenue (P06-1355; TM 33480)	SFDR	32	DU
R-43	APN:266140029, 030 (P06-1396; Mariposa Avenue; TM 33481)	SFDR	25	DU
R-44	APN:266140002, 021, 022 (P06-1404; Lurin Avenue; TM 33482)	SFDR	29	DU
R-45	3719 Strong Street (P05-0269; P08-0416; TM 33550)	SFDR	9	DU
R-46	1006 & 1008 Clark Street (P06-0782; TM 34908)	SFDR	15	DU
R-47	E. of Gratton St., W. of Corsica Av., N. of Van Buren Bl. (P05-1528; P09-0087; TM 34509)	SFDR	50	DU
R-48	NWC of Dominion Avenue and Division Street (P08-0396; P08-0397; P08-0398; P08-0399; TM 35620)	Condo/Townhomes	36	DU
R-49	6639 Hillside Avenue (P08-0727; PM 35901)	Industrial	5	LOTS



R-50	19985 Van Buren Boulevard (P10-0118; Gless Ranch)	Commercial Retail	425.447	TSF
R-51	3990 Reynolds Road (P12-0021; P12-0022; P12-0074; PM 36442)	Condo/Townhomes	102	DU
R-52	NEC of Martha Way & Everest Avenue (P13-0389; TM 36579)	SFDR	5	DU
R-53	4325, 4335, 4345, 4355, 4375 Adams Street (P13-0723; P13-0724; P13-0725; TM 36654)	SFDR	62	DU
R-54	5200 Van Buren Boulevard (P09-0600; P09-0601; Walmart Expansion)	Free Standing Discount Store	22.272	TSF
R-55	P06-0160	Gen. Light Industrial	316.224	TSF
	P06-1281	Warehousing	107.732	TSF
R-56	9241 & 9265 Audrey Avenue (P12-0184; P12-0185; P12-0187; Azar Plaza)	Commercial Retail	6.150	TSF
R-57	Office, Magnon & Panattoni	Office	131.000	TSF
		Warehousing	1400.000	TSF
		Warehousing	300.000	TSF
		Warehousing	216.000	TSF
R-58	1710 Main Street (P12-0717)	Family Dollar Store	8.039	TSF
R-59	2861 Mary Street (P12-0442; P12-0443; P12-0444)	Shopping Center	56.101	TSF
R-60	3545 Central Avenue (P12-0741; P12-0743)	Riverside Plaza Renovations	35.0	AC
R-61	5731, 5741, 5761 & 5797 Pickler Street (P13-0198; P13-0199; P13-0200; P13-0201)	Apartments	30	DU
R-62	3705 Tyler Street (P13-0501; P13-0502)	Restaurant	6.000	TSF
R-63	6570 Magnolia Avenue; 3739 & 3747 Central Avenue (P13-0196; P13-0197)	Fast Food w/Drive Thru	3.795	TSF
R-64	5940-5980 Sycamore Canyon Boulevard (P13-0553; P13-0554; P13-0583; P14-0065)	Apartments	275	DU
R-65	SEC Sycamore Canyon Boulevard & Box Springs Road (P13-0607; P13-0608; P0609; P13-0854)	General Light Industrial	171.616	TSF
R-66	P06-0591	Office	37.939	TSF
		Warehousing	782.188	TSF
		Manufacturing	168.294	TSF
R-67	474 Palmyrita Avenue (P13-0956; P13-0959; P13-0960; P13-0963; P13-0964; P13-0965; P13-0966)	High-Cube Warehouse	1461.449	TSF
<b>CITY OF PERRIS</b>				
P-1	P 05-0113 (IDI)	High-Cube Warehouse	1750.000	TSF
P-2	P 05-0192 (Oakmont I)	High-Cube Warehouse	697.600	TSF
P-3	P 05-0477	High-Cube Warehouse	462.692	TSF
P-4	Rados Distribution Center	High-Cube Warehouse	1200.000	TSF
P-5	Investment Development Services (IDS) II	High-Cube Warehouse	350.000	TSF
P-6	P 07-09-0018	Warehousing	170.000	TSF
P-7	P 07-07-0029 (Oakmont II)	High-Cube Warehouse	1600.000	TSF
P-8	TR 32707	SFDR	137	DU
P-9	TR 34716	SFDR	318	DU
P-10	P 05-0493 (Ridge I)	High-Cube Warehouse	700.000	TSF
P-11	Ridge II	High-Cube Warehouse	2000.000	TSF

P-12	Harvest Landing Specific Plan	SFDR	717	DU
		Condo/Townhomes	1,139	DU
		Sports Park	16.7	AC
		Business Park	1233.401	TSF
		Shopping Center	73.181	TSF
	Perris Marketplace	Shopping Center	450.000	TSF
P-13	P 06-0411 (Concrete Batch Plant)	Manufacturing	2.000	TSF
P-14	Jordan Distribution	High-Cube Warehouse	378.000	TSF
P-15	Aiere	High-Cube Warehouse	642.000	TSF
P-16	P 08-11-0005; P 08-11-0006 (Starcrest)	High-Cube Warehouse	454.088	TSF
P-17	Stratford Ranch Specific Plan	High-Cube Warehouse	1725.411	TSF
P-18	Stratford Ranch Specific Plan	High-Cube Warehouse	480.000	TSF
		General Light Industrial	120.000	TSF
P-19	P05-0493	Logistics	597.370	TSF
P-20	Starcrest, P011-0005; 08-11-0006	General Light Industrial	454.088	TSF
P-21	South Perris Industrial Phase 1	Logistics	787.700	TSF
P-22	South Perris Industrial Phase 2	Logistics	3448.734	TSF
P-23	South Perris Industrial Phase 3	Logistics	3166.857	TSF
P-24	P 04-0343	Warehousing	41.650	TSF
P-25	P 06-0228	General Light Industrial	149.738	TSF
P-26	P 06-0378	Senior Housing	429	DU
P-27	P 11-09-0011	Retail	80.000	TSF
P-28	P 12-05-0013	Apartments	75	DU
P-29	P 12-10-0005	High-Cube Warehouse	1463.887	TSF
P-30	TR 30850	Residential	496	DU
P-31	TR 30973	Residential	35	DU
P-32	TR 31225	Residential	57	DU
P-33	TR 31226	Residential	82	DU
P-34	TR 31240	Residential	114	DU
P-35	TR 31407	Residential	243	DU
P-36	TR 31650	SFDR	61	DU
P-37	TR 31659	SFDR	161	DU
P-38	TR 32041	Residential	122	DU
P-39	TR 32406	SFDR	15	DU
P-40	TR 33193	Townhomes	94	DU
P-41	TR 33338	Residential	75	DU
P-42	Park West Specific Plan	SFDR	521	DU
		Elementary School	750	STU
		Neighborhood Park	5.0	AC
P-43	The Venue	Commercial Retail	642.627	TSF
	Retail on San Jacinto	Commercial Retail	217.800	TSF
	Retail on Redlands	Fast Food w/ Drive Thru	4.500	TSF
		Pharmacy w/ Drive Thru	14.000	TSF
Specialty Retail		31.500	TSF	
P-44	South Perris Metrolink Station	Light Rail Transit Station	680	SP
P-45	IDS 04-0464	High-Cube Warehouse	1686.760	TSF

P-46	TTM 32708 (50% Complete)	SFDR	238	DU
P-47	PM 34199	Gen. Light Industrial	46.500	TSF
	DPR 05-0387	Gen. Light Industrial	9.854	TSF
	DPR 05-0452	Warehousing	31.200	TSF
	TPM 34697	Gen. Light Industrial	47.400	TSF
	DPR 06-0396	Warehousing	159.823	TSF
P-48	Integra Pacific Industrial Facility	High-Cube Warehouse	880.000	TSF

<sup>1</sup> SFDR = Single Family Detached Residential ; MFDR = Multi-Family Detached Residential

<sup>2</sup> DU = Dwelling Units; TSF = Thousand Square Feet; SP = Spaces; VFP = Vehicle Fueling Positions; RMS = Rooms; AC = Acres; EMP = Employees

<sup>3</sup> Source: Cactus Avenue and Commerce Center Drive Commercial Center TIA, Urban Crossroads, Inc., December 9, 2008 (Revised).

<sup>4</sup> Source: March Lifecare Campus Specific Plan Traffic Impact Analysis, Mountain Pacific, Inc., May 2009 (Revised).

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Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

## 4 FINDINGS & CONCLUSIONS

### 4.1 CONSTRUCTION-SOURCE EMISSIONS

#### *REGIONAL IMPACTS*

For regional emissions, the Project would not exceed the numerical thresholds of significance established by the SCAQMD for any criteria pollutant. It should be noted that impacts without mitigation take credit for reductions achieved through standard regulatory requirements (Rule 403 and Rule 1113). Thus a less than significant impact would occur for Project-related construction-source emissions and no mitigation measures are required.

#### *Localized Impacts*

For localized emissions, the Project would not exceed the SCAQMD's localized significance threshold. Thus a less than significant impact would occur and no mitigation is required.

Project construction-source emissions would not conflict with the applicable AQMP.

#### *Odors*

Established requirements addressing construction equipment operations, and construction material use, storage, and disposal requirements act to minimize odor impacts that may result from construction activities. Moreover, construction-source odor emissions would be temporary, short-term, and intermittent in nature and would not result in persistent impacts that would affect substantial numbers of people. Potential construction-source odor impacts are therefore considered less-than-significant.

### 4.2 OPERATIONAL-SOURCE EMISSIONS

#### *REGIONAL IMPACTS*

For regional emissions, the Project would not exceed the numerical thresholds of significance established by the SCAQMD. Thus a less than significant impact would occur for Project-related operational-source emissions and no mitigation is required.

#### *LOCALIZED IMPACTS*

Project operational-source emissions would not result in or cause a significant localized air quality impact as discussed in the operational LSTs section of this report. The proposed Project would not result in a significant CO "hotspot" as a result of Project related traffic during ongoing operations, nor would the Project result in a significant adverse health impact as discussed in Section 3.8, thus a less than significant impact to sensitive receptors during operational activity is expected.



*ODORS*

Substantial odor-generating sources include land uses such as agricultural activities, feedlots, wastewater treatment facilities, landfills or various heavy industrial uses. The Project does not propose any such uses or activities that would result in potentially significant operational-source odor impacts. Potential sources of operational odors generated by the Project would include disposal of miscellaneous residential refuse. Moreover, SCAQMD Rule 402 acts to prevent occurrences of odor nuisances (1). Consistent with City requirements, all Project-generated refuse would be stored in covered containers and removed at regular intervals in compliance with solid waste regulations. Potential operational-source odor impacts are therefore considered less-than-significant.

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## 6 CERTIFICATION

The contents of this air study report represent an accurate depiction of the environmental impacts associated with the proposed Legacy Park (Tentative Tract Map No. 36760) Project. The information contained in this air quality impact assessment report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 336-5987.

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### EDUCATION

Master of Science in Environmental Studies  
California State University, Fullerton • May, 2010

Bachelor of Arts in Environmental Analysis and Design  
University of California, Irvine • June, 2006

### PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners  
AWMA – Air and Waste Management Association  
ASTM – American Society for Testing and Materials

### PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June, 2011  
Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April, 2008  
Principles of Ambient Air Monitoring – California Air Resources Board • August, 2007  
AB2588 Regulatory Standards – Trinity Consultants • November, 2006  
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Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



**APPENDIX 3.1:**

**STATE/FEDERAL ATTAINMENT STATUS OF CRITERIA POLLUTANTS**

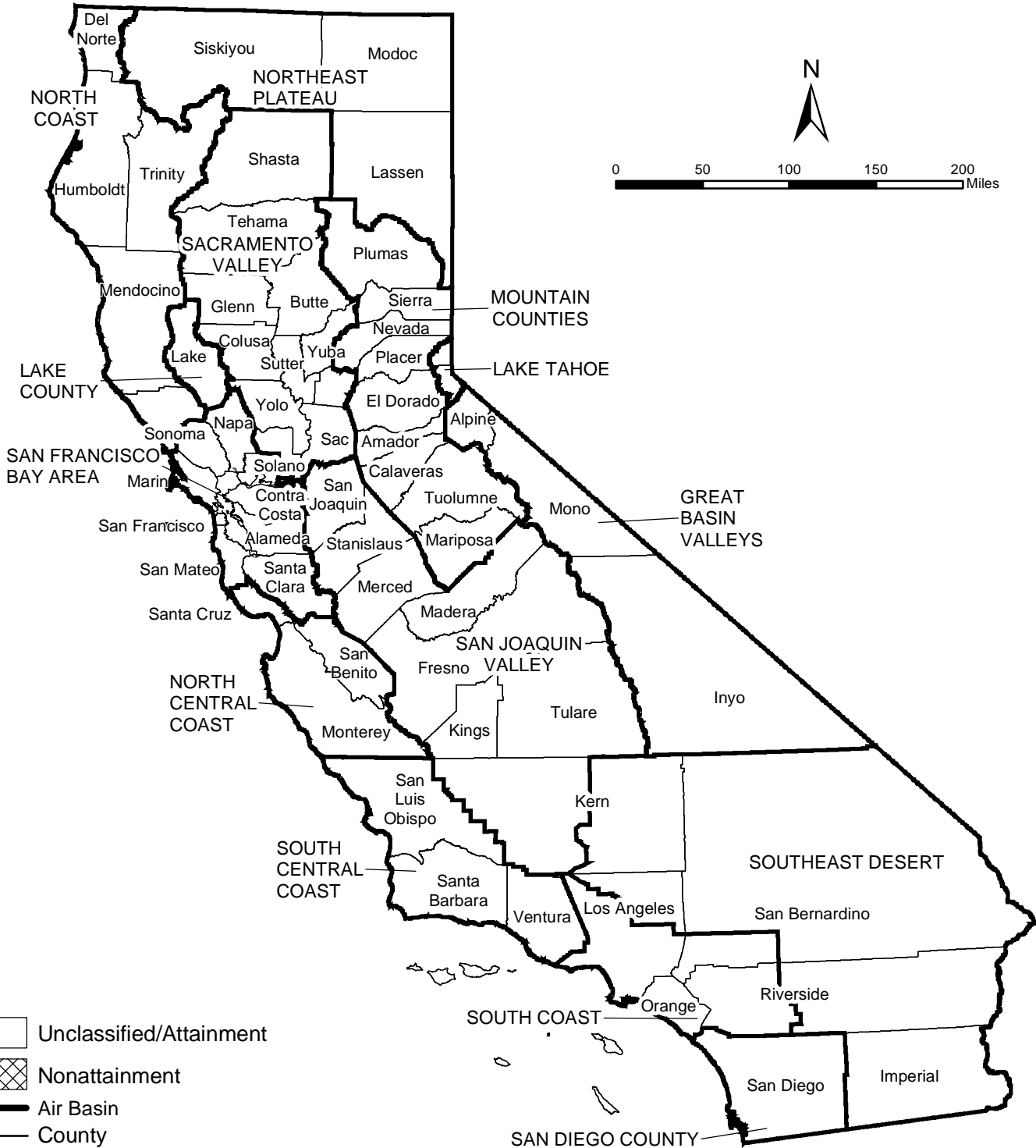
Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

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Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

# Area Designations for National Ambient Air Quality Standards

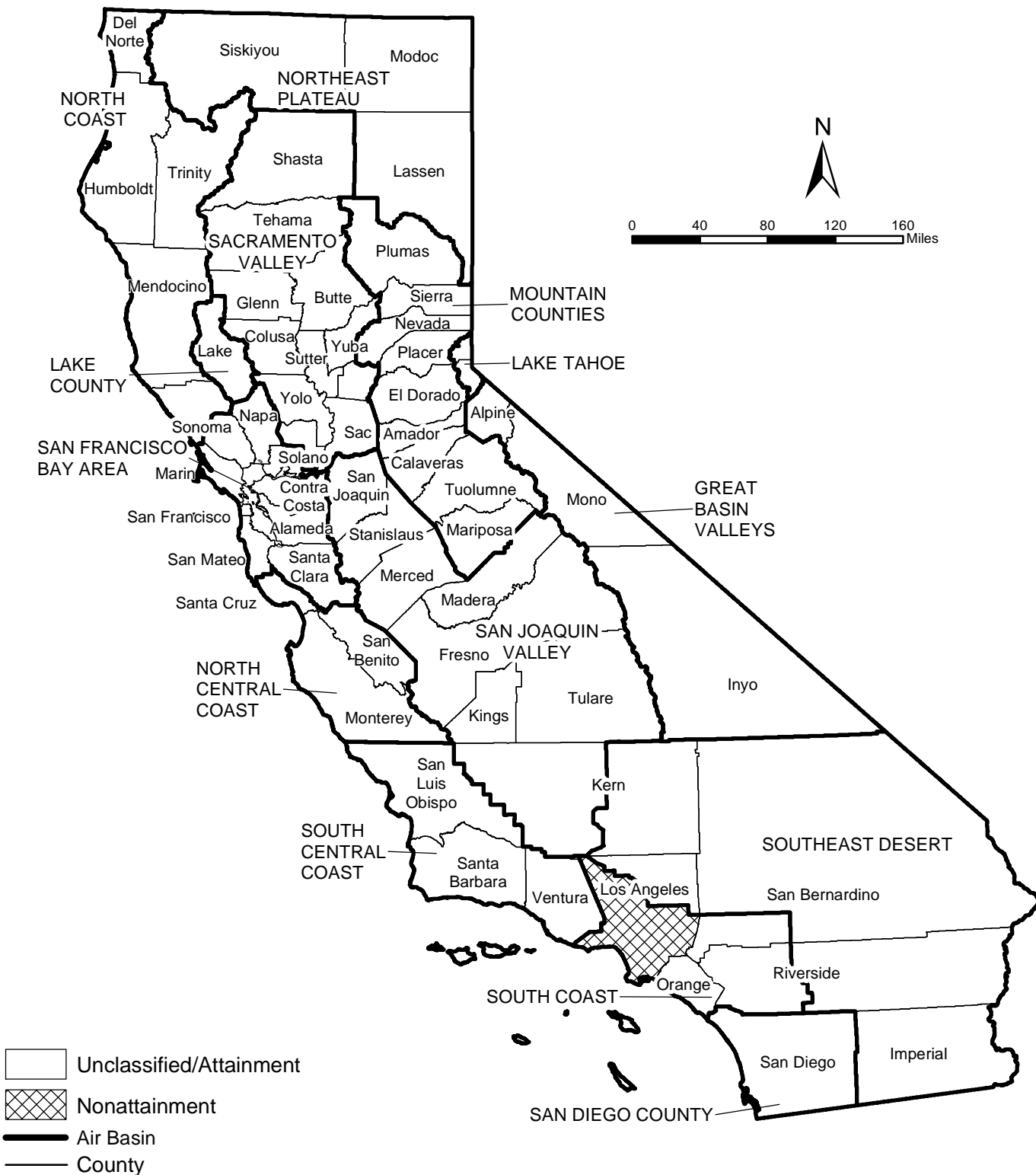
## CARBON MONOXIDE



Attachment: Air Quality Study (2481 : Legacy Park Project Proposes a General Plan Amendment, A Change of Zone,

# Area Designations for National Ambient Air Quality Standards

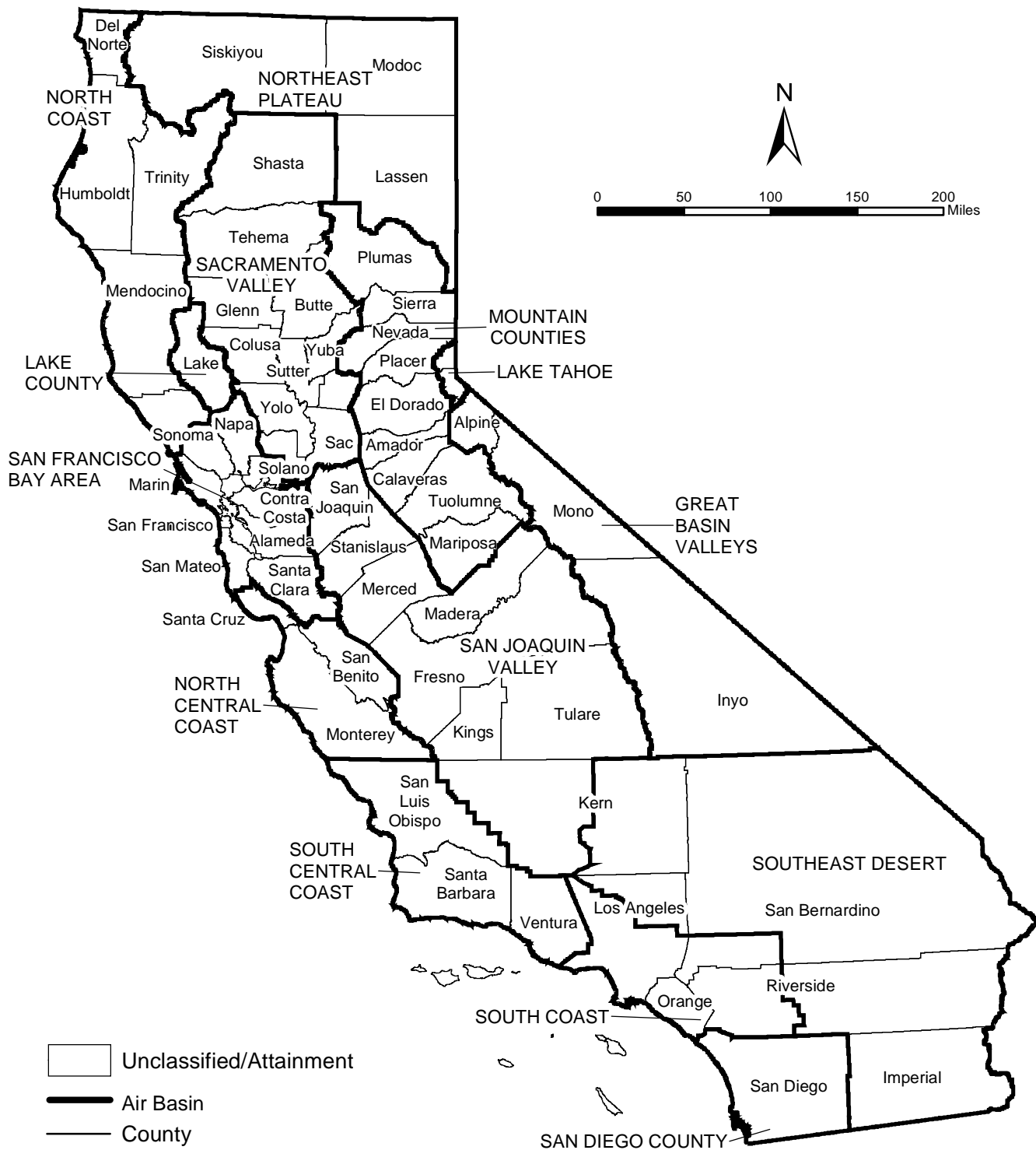
## LEAD



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# Area Designations for National Ambient Air Quality Standards

## NITROGEN DIOXIDE

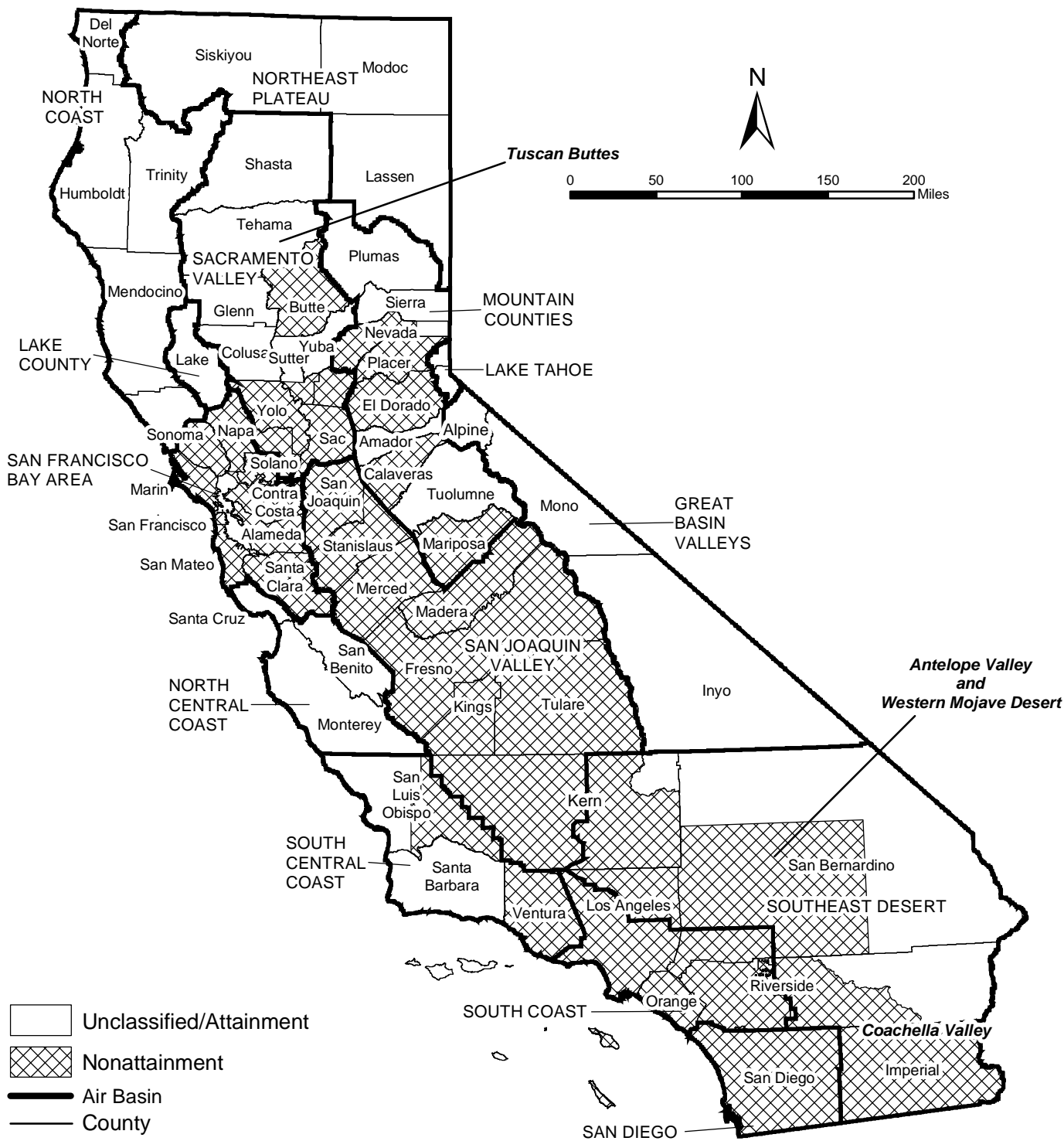


Attachment: Air Quality Study (2481 : Legacy Park Project Proposes a General Plan Amendment, a Change of Zone,



# Area Designations for National Ambient Air Quality Standards

## 8-HOUR OZONE



Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



# Area Designations for National Ambient Air Quality Standards

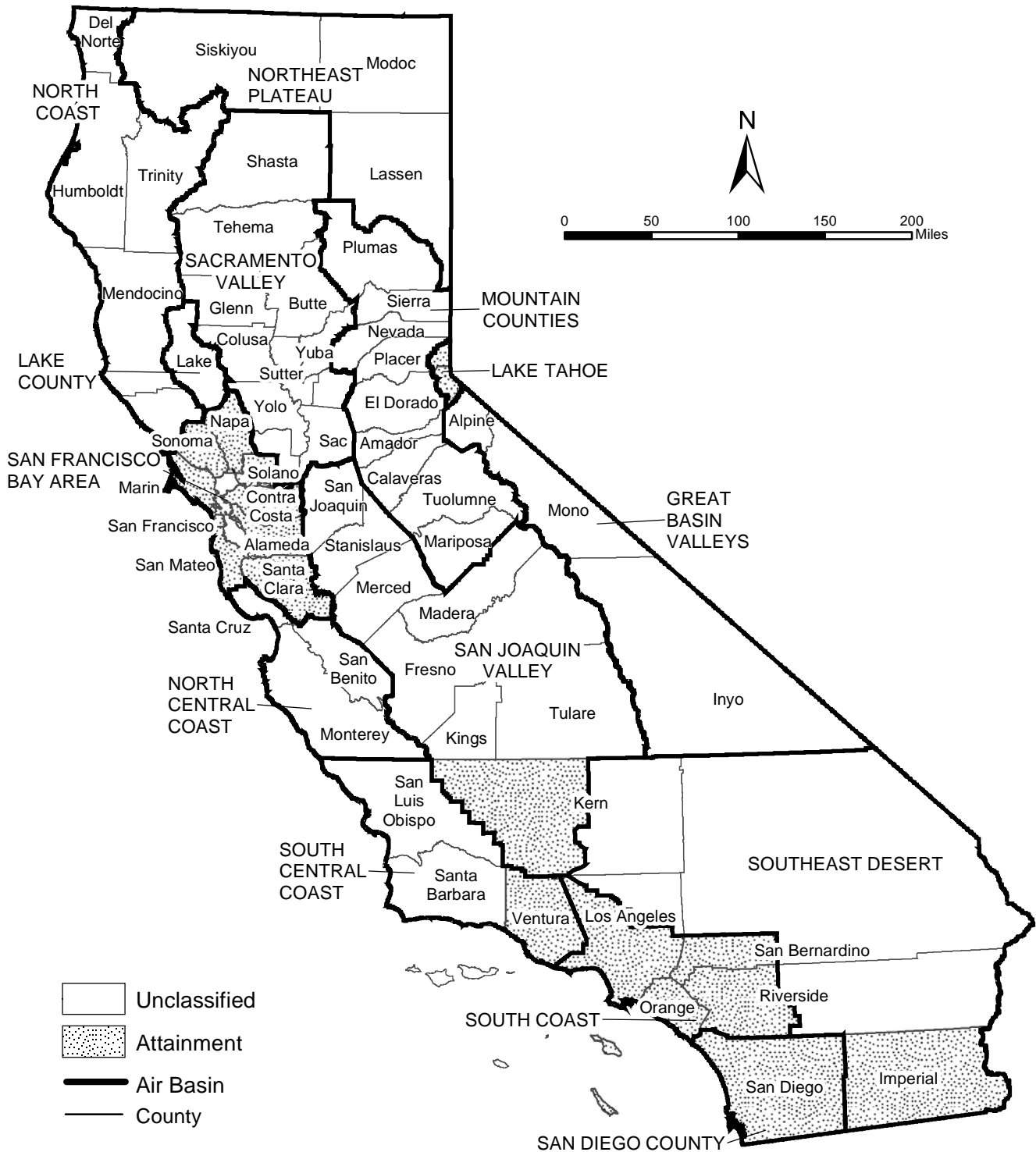
## PM2.5



Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

# Area Designations for National Ambient Air Quality Standards

## SULFUR DIOXIDE



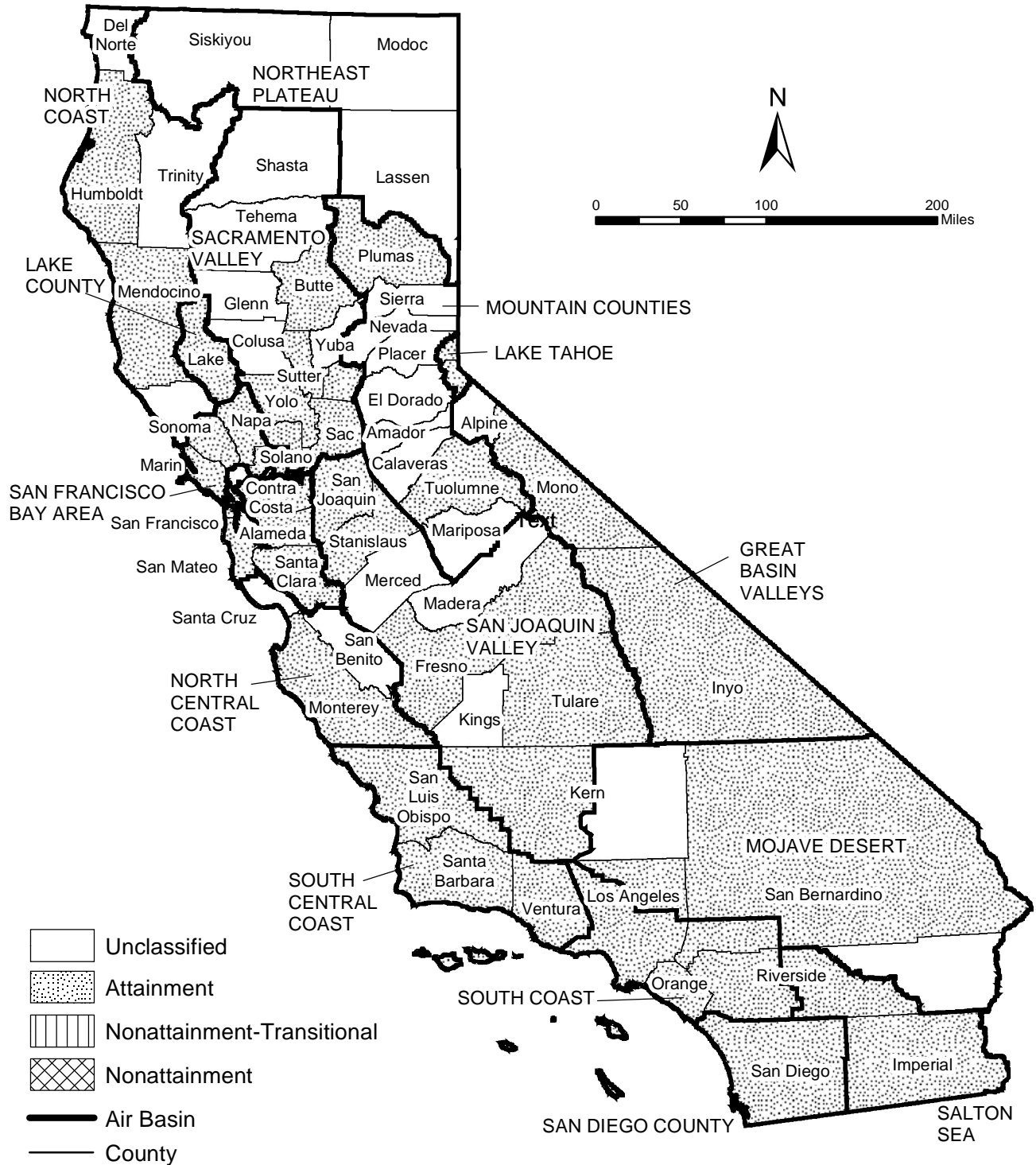
Last Reviewed: December 2015  
Air Quality Planning Branch, AQPSD, CARB

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



# Area Designations for State Ambient Air Quality Standards

## CARBON MONOXIDE



Source Date:  
 December 2015  
 Air Quality Planning Branch, AQPSD

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

# Area Designations for State Ambient Air Quality Standards

## LEAD



Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



# Area Designations for State Ambient Air Quality Standards

## NITROGEN DIOXIDE

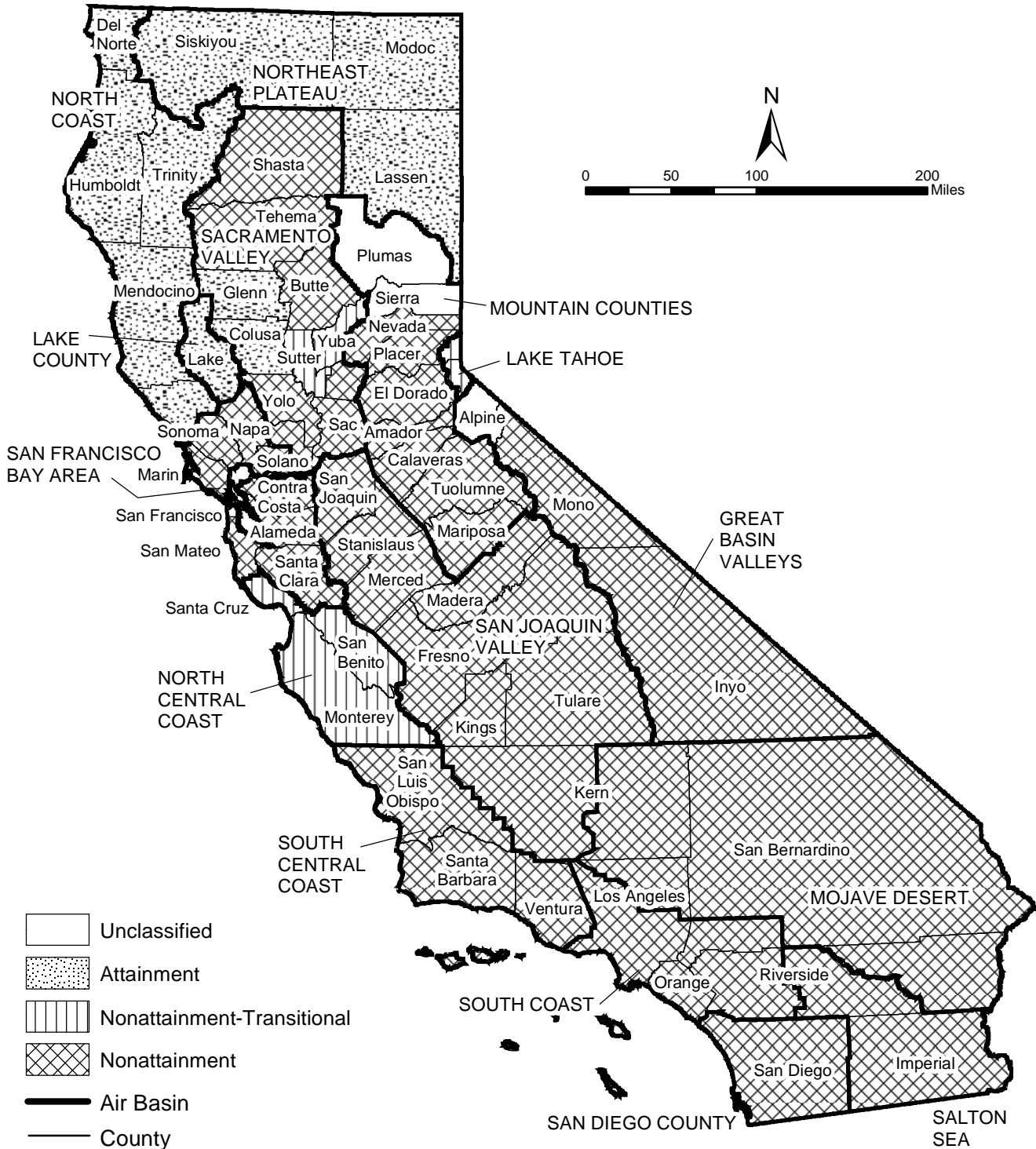


Source Date:  
December 2015  
Air Quality Planning Branch, AQPSD

Attachment: Air Quality Study (2481 : Legacy Park Project Proposes a General Plan Amendment, A Change of Zone,

# Area Designations for State Ambient Air Quality Standards

## OZONE



Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



# Area Designations for State Ambient Air Quality Standards

## PM10

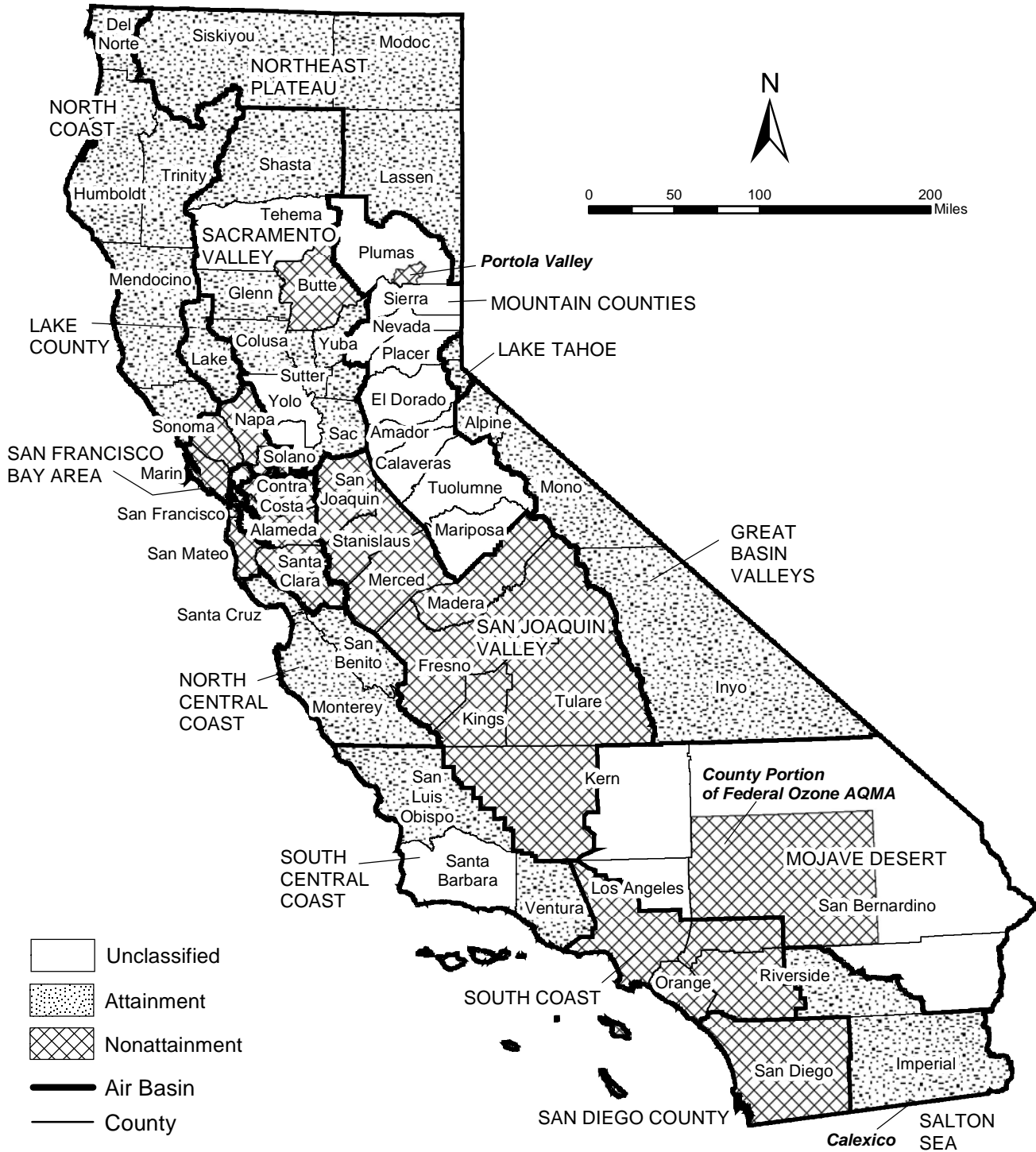


Source Date:  
December 2015  
Air Quality Planning Branch, AQPSD

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

# Area Designations for State Ambient Air Quality Standards

## PM2.5



Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

# Area Designations for State Ambient Air Quality Standards SULFUR DIOXIDE



Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



**APPENDIX 3.2:**  
**CALEEMOD EMISSIONS MODEL OUTPUTS**

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



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Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**Legacy Park (Tentative Tract Map No. 36760)**  
**Riverside-South Coast County, Summer**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	12.00	Acre	12.00	522,720.00	0
Single Family Housing	221.00	Dwelling Unit	40.90	512,278.00	632

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MWhr)</b>	479.9	<b>CH4 Intensity (lb/MWhr)</b>	0.029	<b>N2O Intensity (lb/MWhr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

Project Characteristics - CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Based on site plan dated September 19, 2016; Total lot acreage: 52.9; Average home size: 2,318 s.f

Construction Phase - Based on past project experience and a 2021 opening year

Off-road Equipment - Based on 8 hour workday

Off-road Equipment - Based on 8 hour workday

Off-road Equipment - Based on past project experience

Off-road Equipment -

Grading -

Vehicle Trips -

Woodstoves - Rule 445- Gas stoves only

Energy Use - Title-24 Electricity Energy Intensity and Natural Gas Energy Intensity were adjusted by 28% to reflect 2016 Title 24 requirements. Source: 2016 Title 24 Energy Efficiency Standards Adoption Hearing 06/10/15

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Fleet Mix - Based on Caltrans ITS Transportation Project-Level Carbon Monoxide Protocol to reflect residential land use trips.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	75.00	650.00
tblConstructionPhase	NumDays	1,110.00	650.00
tblConstructionPhase	NumDays	110.00	75.00
tblConstructionPhase	NumDays	75.00	55.00
tblConstructionPhase	PhaseEndDate	11/23/2022	12/24/2021
tblConstructionPhase	PhaseEndDate	3/11/2020	9/25/2020
tblConstructionPhase	PhaseEndDate	9/13/2017	1/12/2018
tblConstructionPhase	PhaseEndDate	5/27/2020	3/30/2018
tblConstructionPhase	PhaseStartDate	5/28/2020	6/29/2019
tblConstructionPhase	PhaseStartDate	9/14/2017	3/31/2018

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

tblConstructionPhase	PhaseStartDate	6/1/2017	10/1/2017
tblConstructionPhase	PhaseStartDate	3/12/2020	1/13/2018
tblEnergyUse	T24E	1,077.77	775.99
tblEnergyUse	T24NG	31,096.40	1,158.36
tblFireplaces	NumberGas	187.85	221.00
tblFireplaces	NumberNoFireplace	22.10	0.00
tblFireplaces	NumberWood	11.05	0.00
tblLandUse	BuildingSpaceSquareFeet	397,800.00	512,278.00
tblLandUse	LandUseSquareFeet	397,800.00	512,278.00
tblLandUse	LotAcreage	71.75	40.90
tblOffRoadEquipment	HorsePower	402.00	189.00
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	479.9
tblProjectCharacteristics	OperationalYear	2018	2021
tblWoodstoves	NumberCatalytic	11.05	0.00
tblWoodstoves	NumberNoncatalytic	11.05	0.00

2.0 Emissions Summary

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.5974	75.3203	42.9950	0.0729	8.9304	3.3889	12.3193	3.6647	3.1178	6.7825	0.0000	7,447.274 7	7,447.274 7	2.2061	0.0000	7,502.426 3
2018	5.7964	65.3611	38.7991	0.0929	8.9304	2.8708	11.8012	3.6647	2.6411	6.3058	0.0000	9,361.417 9	9,361.417 9	2.2052	0.0000	9,387.900 7
2019	10.3616	38.7743	39.0430	0.1025	4.7108	1.6709	6.3817	1.2652	1.5805	2.8457	0.0000	10,259.87 74	10,259.87 74	1.0783	0.0000	10,286.83 45
2020	9.8638	35.1902	36.9369	0.1009	4.7108	1.4308	6.1415	1.2652	1.3531	2.6183	0.0000	10,067.44 95	10,067.44 95	1.0375	0.0000	10,093.38 69
2021	5.7314	2.1978	4.6417	0.0104	0.6707	0.1294	0.8001	0.1779	0.1291	0.3070	0.0000	1,014.114 6	1,014.114 6	0.0410	0.0000	1,015.139 3
<b>Maximum</b>	<b>10.3616</b>	<b>75.3203</b>	<b>42.9950</b>	<b>0.1025</b>	<b>8.9304</b>	<b>3.3889</b>	<b>12.3193</b>	<b>3.6647</b>	<b>3.1178</b>	<b>6.7825</b>	<b>0.0000</b>	<b>10,259.87 74</b>	<b>10,259.87 74</b>	<b>2.2061</b>	<b>0.0000</b>	<b>10,286.83 45</b>

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**2.1 Overall Construction (Maximum Daily Emission)**

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.5974	75.3203	42.9950	0.0729	3.6397	3.3889	7.0286	1.4708	3.1178	4.5886	0.0000	7,447.274 7	7,447.274 7	2.2061	0.0000	7,502.426 3
2018	5.7964	65.3611	38.7991	0.0929	4.0402	2.8708	6.5105	1.4708	2.6411	4.1120	0.0000	9,361.417 9	9,361.417 9	2.2052	0.0000	9,387.900 7
2019	10.3616	38.7743	39.0430	0.1025	4.7108	1.6709	6.3817	1.2652	1.5805	2.8457	0.0000	10,259.87 74	10,259.87 74	1.0783	0.0000	10,286.83 45
2020	9.8638	35.1902	36.9369	0.1009	4.7108	1.4308	6.1415	1.2652	1.3531	2.6183	0.0000	10,067.44 95	10,067.44 95	1.0375	0.0000	10,093.38 69
2021	5.7314	2.1978	4.6417	0.0104	0.6707	0.1294	0.8001	0.1779	0.1291	0.3070	0.0000	1,014.114 6	1,014.114 6	0.0410	0.0000	1,015.139 3
<b>Maximum</b>	<b>10.3616</b>	<b>75.3203</b>	<b>42.9950</b>	<b>0.1025</b>	<b>4.7108</b>	<b>3.3889</b>	<b>7.0286</b>	<b>1.4708</b>	<b>3.1178</b>	<b>4.5886</b>	<b>0.0000</b>	<b>10,259.87 74</b>	<b>10,259.87 74</b>	<b>2.2061</b>	<b>0.0000</b>	<b>10,286.83 45</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>36.42</b>	<b>0.00</b>	<b>28.26</b>	<b>43.71</b>	<b>0.00</b>	<b>23.27</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN



Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.2290	3.8769	19.8336	0.0244		0.3971	0.3971		0.3971	0.3971	0.0000	4,712.8327	4,712.8327	0.1215	0.0858	4,741.4391
Energy	0.0469	0.4011	0.1707	2.5600e-003		0.0324	0.0324		0.0324	0.0324		512.0476	512.0476	9.8100e-003	9.3900e-003	515.0904
Mobile	4.4239	31.7453	53.1743	0.2198	15.9613	0.1515	16.1128	4.2707	0.1422	4.4130		22,417.6916	22,417.6916	1.0736		22,444.5326
<b>Total</b>	<b>16.6999</b>	<b>36.0234</b>	<b>73.1787</b>	<b>0.2468</b>	<b>15.9613</b>	<b>0.5811</b>	<b>16.5424</b>	<b>4.2707</b>	<b>0.5718</b>	<b>4.8425</b>	<b>0.0000</b>	<b>27,642.5718</b>	<b>27,642.5718</b>	<b>1.2050</b>	<b>0.0952</b>	<b>27,701.0622</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.2290	3.8769	19.8336	0.0244		0.3971	0.3971		0.3971	0.3971	0.0000	4,712.8327	4,712.8327	0.1215	0.0858	4,741.4391
Energy	0.0469	0.4011	0.1707	2.5600e-003		0.0324	0.0324		0.0324	0.0324		512.0476	512.0476	9.8100e-003	9.3900e-003	515.0904
Mobile	4.3370	30.9037	50.5118	0.2082	15.0116	0.1434	15.1550	4.0166	0.1346	4.1512		21,239.3346	21,239.3346	1.0411		21,265.3617
<b>Total</b>	<b>16.6129</b>	<b>35.1817</b>	<b>70.5161</b>	<b>0.2352</b>	<b>15.0116</b>	<b>0.5730</b>	<b>15.5846</b>	<b>4.0166</b>	<b>0.5641</b>	<b>4.5808</b>	<b>0.0000</b>	<b>26,464.2148</b>	<b>26,464.2148</b>	<b>1.1724</b>	<b>0.0952</b>	<b>26,521.8912</b>

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Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.52	2.34	3.64	4.70	5.95	1.40	5.79	5.95	1.34	5.41	0.00	4.26	4.26	2.70	0.00	4.26

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	10/1/2017	1/12/2018	5	75	
2	Paving	Paving	1/13/2018	3/30/2018	5	55	
3	Building Construction	Building Construction	3/31/2018	9/25/2020	5	650	
4	Architectural Coating	Architectural Coating	6/29/2019	12/24/2021	5	650	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 12

Residential Indoor: 1,037,363; Residential Outdoor: 345,788; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 31,363 (Architectural Coating – sqft)

#### OffRoad Equipment

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	189	0.50
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	9	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	299.00	109.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	60.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.2 Grading - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.4437	75.2195	41.7040	0.0701		3.3873	3.3873		3.1163	3.1163		7,169.5561	7,169.5561	2.1967		7,224.4745
<b>Total</b>	<b>6.4437</b>	<b>75.2195</b>	<b>41.7040</b>	<b>0.0701</b>	<b>8.6733</b>	<b>3.3873</b>	<b>12.0606</b>	<b>3.5965</b>	<b>3.1163</b>	<b>6.7128</b>		<b>7,169.5561</b>	<b>7,169.5561</b>	<b>2.1967</b>		<b>7,224.4745</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1538	0.1008	1.2911	2.7900e-003	0.2571	1.6500e-003	0.2587	0.0682	1.5200e-003	0.0697		277.7187	277.7187	9.3200e-003		277.9518
<b>Total</b>	<b>0.1538</b>	<b>0.1008</b>	<b>1.2911</b>	<b>2.7900e-003</b>	<b>0.2571</b>	<b>1.6500e-003</b>	<b>0.2587</b>	<b>0.0682</b>	<b>1.5200e-003</b>	<b>0.0697</b>		<b>277.7187</b>	<b>277.7187</b>	<b>9.3200e-003</b>		<b>277.9518</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.2 Grading - 2017**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	6.4437	75.2195	41.7040	0.0701		3.3873	3.3873		3.1163	3.1163	0.0000	7,169.5561	7,169.5561	2.1967		7,224.4745
<b>Total</b>	<b>6.4437</b>	<b>75.2195</b>	<b>41.7040</b>	<b>0.0701</b>	<b>3.3826</b>	<b>3.3873</b>	<b>6.7699</b>	<b>1.4026</b>	<b>3.1163</b>	<b>4.5189</b>	<b>0.0000</b>	<b>7,169.5561</b>	<b>7,169.5561</b>	<b>2.1967</b>		<b>7,224.4745</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1538	0.1008	1.2911	2.7900e-003	0.2571	1.6500e-003	0.2587	0.0682	1.5200e-003	0.0697		277.7187	277.7187	9.3200e-003		277.9518
<b>Total</b>	<b>0.1538</b>	<b>0.1008</b>	<b>1.2911</b>	<b>2.7900e-003</b>	<b>0.2571</b>	<b>1.6500e-003</b>	<b>0.2587</b>	<b>0.0682</b>	<b>1.5200e-003</b>	<b>0.0697</b>		<b>277.7187</b>	<b>277.7187</b>	<b>9.3200e-003</b>		<b>277.9518</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.2 Grading - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.6580	65.2731	37.6616	0.0701		2.8692	2.8692		2.6397	2.6397		7,057.1675	7,057.1675	2.1970		7,112.0924
<b>Total</b>	<b>5.6580</b>	<b>65.2731</b>	<b>37.6616</b>	<b>0.0701</b>	<b>8.6733</b>	<b>2.8692</b>	<b>11.5425</b>	<b>3.5965</b>	<b>2.6397</b>	<b>6.2362</b>		<b>7,057.1675</b>	<b>7,057.1675</b>	<b>2.1970</b>		<b>7,112.0924</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1385	0.0881	1.1375	2.7100e-003	0.2571	1.6100e-003	0.2587	0.0682	1.4800e-003	0.0697		269.8524	269.8524	8.2200e-003		270.0578
<b>Total</b>	<b>0.1385</b>	<b>0.0881</b>	<b>1.1375</b>	<b>2.7100e-003</b>	<b>0.2571</b>	<b>1.6100e-003</b>	<b>0.2587</b>	<b>0.0682</b>	<b>1.4800e-003</b>	<b>0.0697</b>		<b>269.8524</b>	<b>269.8524</b>	<b>8.2200e-003</b>		<b>270.0578</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN



Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.2 Grading - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	5.6580	65.2731	37.6616	0.0701		2.8692	2.8692		2.6397	2.6397	0.0000	7,057.1675	7,057.1675	2.1970		7,112.0923
<b>Total</b>	<b>5.6580</b>	<b>65.2731</b>	<b>37.6616</b>	<b>0.0701</b>	<b>3.3826</b>	<b>2.8692</b>	<b>6.2518</b>	<b>1.4026</b>	<b>2.6397</b>	<b>4.0423</b>	<b>0.0000</b>	<b>7,057.1675</b>	<b>7,057.1675</b>	<b>2.1970</b>		<b>7,112.0923</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1385	0.0881	1.1375	2.7100e-003	0.2571	1.6100e-003	0.2587	0.0682	1.4800e-003	0.0697		269.8524	269.8524	8.2200e-003		270.0578
<b>Total</b>	<b>0.1385</b>	<b>0.0881</b>	<b>1.1375</b>	<b>2.7100e-003</b>	<b>0.2571</b>	<b>1.6100e-003</b>	<b>0.2587</b>	<b>0.0682</b>	<b>1.4800e-003</b>	<b>0.0697</b>		<b>269.8524</b>	<b>269.8524</b>	<b>8.2200e-003</b>		<b>270.0578</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.3 Paving - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.5716					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2153</b>	<b>17.5209</b>	<b>14.7964</b>	<b>0.0228</b>		<b>0.9561</b>	<b>0.9561</b>		<b>0.8797</b>	<b>0.8797</b>		<b>2,294.0887</b>	<b>2,294.0887</b>	<b>0.7142</b>		<b>2,311.9432</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0903	0.0574	0.7419	1.7700e-003	0.1677	1.0500e-003	0.1687	0.0445	9.7000e-004	0.0454		175.9907	175.9907	5.3600e-003		176.1247
<b>Total</b>	<b>0.0903</b>	<b>0.0574</b>	<b>0.7419</b>	<b>1.7700e-003</b>	<b>0.1677</b>	<b>1.0500e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.7000e-004</b>	<b>0.0454</b>		<b>175.9907</b>	<b>175.9907</b>	<b>5.3600e-003</b>		<b>176.1247</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.3 Paving - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.5716					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2153</b>	<b>17.5209</b>	<b>14.7964</b>	<b>0.0228</b>		<b>0.9561</b>	<b>0.9561</b>		<b>0.8797</b>	<b>0.8797</b>	<b>0.0000</b>	<b>2,294.0887</b>	<b>2,294.0887</b>	<b>0.7142</b>		<b>2,311.9432</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0903	0.0574	0.7419	1.7700e-003	0.1677	1.0500e-003	0.1687	0.0445	9.7000e-004	0.0454		175.9907	175.9907	5.3600e-003		176.1247
<b>Total</b>	<b>0.0903</b>	<b>0.0574</b>	<b>0.7419</b>	<b>1.7700e-003</b>	<b>0.1677</b>	<b>1.0500e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.7000e-004</b>	<b>0.0454</b>		<b>175.9907</b>	<b>175.9907</b>	<b>5.3600e-003</b>		<b>176.1247</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.4 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082		2,810.8008	2,810.8008	0.7012		2,828.3317
<b>Total</b>	<b>2.8506</b>	<b>25.2288</b>	<b>18.7719</b>	<b>0.0288</b>		<b>1.6066</b>	<b>1.6066</b>		<b>1.5082</b>	<b>1.5082</b>		<b>2,810.8008</b>	<b>2,810.8008</b>	<b>0.7012</b>		<b>2,828.3317</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4018	13.2434	2.5620	0.0289	0.6981	0.1111	0.8091	0.2010	0.1062	0.3072		3,042.5355	3,042.5355	0.2513		3,048.8175
Worker	1.8000	1.1448	14.7878	0.0353	3.3421	0.0209	3.3630	0.8863	0.0193	0.9056		3,508.0816	3,508.0816	0.1068		3,510.7516
<b>Total</b>	<b>2.2018</b>	<b>14.3881</b>	<b>17.3499</b>	<b>0.0641</b>	<b>4.0402</b>	<b>0.1319</b>	<b>4.1721</b>	<b>1.0873</b>	<b>0.1255</b>	<b>1.2128</b>		<b>6,550.6170</b>	<b>6,550.6170</b>	<b>0.3581</b>		<b>6,559.5690</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.4 Building Construction - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082	0.0000	2,810.8008	2,810.8008	0.7012		2,828.3317
<b>Total</b>	<b>2.8506</b>	<b>25.2288</b>	<b>18.7719</b>	<b>0.0288</b>		<b>1.6066</b>	<b>1.6066</b>		<b>1.5082</b>	<b>1.5082</b>	<b>0.0000</b>	<b>2,810.8008</b>	<b>2,810.8008</b>	<b>0.7012</b>		<b>2,828.3317</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4018	13.2434	2.5620	0.0289	0.6981	0.1111	0.8091	0.2010	0.1062	0.3072		3,042.5355	3,042.5355	0.2513		3,048.8175
Worker	1.8000	1.1448	14.7878	0.0353	3.3421	0.0209	3.3630	0.8863	0.0193	0.9056		3,508.0816	3,508.0816	0.1068		3,510.7516
<b>Total</b>	<b>2.2018</b>	<b>14.3881</b>	<b>17.3499</b>	<b>0.0641</b>	<b>4.0402</b>	<b>0.1319</b>	<b>4.1721</b>	<b>1.0873</b>	<b>0.1255</b>	<b>1.2128</b>		<b>6,550.6170</b>	<b>6,550.6170</b>	<b>0.3581</b>		<b>6,559.5690</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.4 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958		2,778.3097	2,778.3097	0.6904		2,795.5700
<b>Total</b>	<b>2.5115</b>	<b>22.7062</b>	<b>18.3139</b>	<b>0.0288</b>		<b>1.3802</b>	<b>1.3802</b>		<b>1.2958</b>	<b>1.2958</b>		<b>2,778.3097</b>	<b>2,778.3097</b>	<b>0.6904</b>		<b>2,795.5700</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3631	12.4078	2.3252	0.0287	0.6980	0.0943	0.7923	0.2010	0.0902	0.2911		3,022.5985	3,022.5985	0.2419		3,028.6447
Worker	1.6463	1.0103	13.2832	0.0342	3.3421	0.0206	3.3628	0.8863	0.0190	0.9054		3,401.1917	3,401.1917	0.0952		3,403.5722
<b>Total</b>	<b>2.0094</b>	<b>13.4182</b>	<b>15.6084</b>	<b>0.0628</b>	<b>4.0401</b>	<b>0.1149</b>	<b>4.1550</b>	<b>1.0873</b>	<b>0.1092</b>	<b>1.1965</b>		<b>6,423.7902</b>	<b>6,423.7902</b>	<b>0.3371</b>		<b>6,432.2169</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN



Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.4 Building Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958	0.0000	2,778.3097	2,778.3097	0.6904		2,795.5700
<b>Total</b>	<b>2.5115</b>	<b>22.7062</b>	<b>18.3139</b>	<b>0.0288</b>		<b>1.3802</b>	<b>1.3802</b>		<b>1.2958</b>	<b>1.2958</b>	<b>0.0000</b>	<b>2,778.3097</b>	<b>2,778.3097</b>	<b>0.6904</b>		<b>2,795.5700</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3631	12.4078	2.3252	0.0287	0.6980	0.0943	0.7923	0.2010	0.0902	0.2911		3,022.5985	3,022.5985	0.2419		3,028.6447
Worker	1.6463	1.0103	13.2832	0.0342	3.3421	0.0206	3.3628	0.8863	0.0190	0.9054		3,401.1917	3,401.1917	0.0952		3,403.5722
<b>Total</b>	<b>2.0094</b>	<b>13.4182</b>	<b>15.6084</b>	<b>0.0628</b>	<b>4.0401</b>	<b>0.1149</b>	<b>4.1550</b>	<b>1.0873</b>	<b>0.1092</b>	<b>1.1965</b>		<b>6,423.7902</b>	<b>6,423.7902</b>	<b>0.3371</b>		<b>6,432.2169</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.4 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218		2,735.6999	2,735.6999	0.6819		2,752.7481
<b>Total</b>	<b>2.2551</b>	<b>20.6494</b>	<b>17.9678</b>	<b>0.0288</b>		<b>1.1948</b>	<b>1.1948</b>		<b>1.1218</b>	<b>1.1218</b>		<b>2,735.6999</b>	<b>2,735.6999</b>	<b>0.6819</b>		<b>2,752.7481</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3038	11.2152	2.0517	0.0285	0.6980	0.0638	0.7618	0.2010	0.0610	0.2620		3,001.7611	3,001.7611	0.2252		3,007.3897
Worker	1.5216	0.8999	12.0561	0.0331	3.3421	0.0202	3.3624	0.8863	0.0186	0.9050		3,293.7677	3,293.7677	0.0844		3,295.8784
<b>Total</b>	<b>1.8254</b>	<b>12.1151</b>	<b>14.1079</b>	<b>0.0615</b>	<b>4.0401</b>	<b>0.0840</b>	<b>4.1241</b>	<b>1.0873</b>	<b>0.0797</b>	<b>1.1670</b>		<b>6,295.5287</b>	<b>6,295.5287</b>	<b>0.3096</b>		<b>6,303.2681</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.4 Building Construction - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218	0.0000	2,735.6999	2,735.6999	0.6819		2,752.7481
<b>Total</b>	<b>2.2551</b>	<b>20.6494</b>	<b>17.9678</b>	<b>0.0288</b>		<b>1.1948</b>	<b>1.1948</b>		<b>1.1218</b>	<b>1.1218</b>	<b>0.0000</b>	<b>2,735.6999</b>	<b>2,735.6999</b>	<b>0.6819</b>		<b>2,752.7481</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3038	11.2152	2.0517	0.0285	0.6980	0.0638	0.7618	0.2010	0.0610	0.2620		3,001.7611	3,001.7611	0.2252		3,007.3897
Worker	1.5216	0.8999	12.0561	0.0331	3.3421	0.0202	3.3624	0.8863	0.0186	0.9050		3,293.7677	3,293.7677	0.0844		3,295.8784
<b>Total</b>	<b>1.8254</b>	<b>12.1151</b>	<b>14.1079</b>	<b>0.0615</b>	<b>4.0401</b>	<b>0.0840</b>	<b>4.1241</b>	<b>1.0873</b>	<b>0.0797</b>	<b>1.1670</b>		<b>6,295.5287</b>	<b>6,295.5287</b>	<b>0.3096</b>		<b>6,303.2681</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.5 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3553	2.4472	2.4551	3.9600e-003		0.1717	0.1717		0.1717	0.1717		375.2641	375.2641	0.0317		376.0565
<b>Total</b>	<b>5.5104</b>	<b>2.4472</b>	<b>2.4551</b>	<b>3.9600e-003</b>		<b>0.1717</b>	<b>0.1717</b>		<b>0.1717</b>	<b>0.1717</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0317</b>		<b>376.0565</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3304	0.2027	2.6655	6.8600e-003	0.6707	4.1400e-003	0.6748	0.1779	3.8100e-003	0.1817		682.5134	682.5134	0.0191		682.9911
<b>Total</b>	<b>0.3304</b>	<b>0.2027</b>	<b>2.6655</b>	<b>6.8600e-003</b>	<b>0.6707</b>	<b>4.1400e-003</b>	<b>0.6748</b>	<b>0.1779</b>	<b>3.8100e-003</b>	<b>0.1817</b>		<b>682.5134</b>	<b>682.5134</b>	<b>0.0191</b>		<b>682.9911</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.5 Architectural Coating - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3553	2.4472	2.4551	3.9600e-003		0.1717	0.1717		0.1717	0.1717	0.0000	375.2641	375.2641	0.0317		376.0565
<b>Total</b>	<b>5.5104</b>	<b>2.4472</b>	<b>2.4551</b>	<b>3.9600e-003</b>		<b>0.1717</b>	<b>0.1717</b>		<b>0.1717</b>	<b>0.1717</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0317</b>		<b>376.0565</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3304	0.2027	2.6655	6.8600e-003	0.6707	4.1400e-003	0.6748	0.1779	3.8100e-003	0.1817		682.5134	682.5134	0.0191		682.9911
<b>Total</b>	<b>0.3304</b>	<b>0.2027</b>	<b>2.6655</b>	<b>6.8600e-003</b>	<b>0.6707</b>	<b>4.1400e-003</b>	<b>0.6748</b>	<b>0.1779</b>	<b>3.8100e-003</b>	<b>0.1817</b>		<b>682.5134</b>	<b>682.5134</b>	<b>0.0191</b>		<b>682.9911</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.5 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479		375.2641	375.2641	0.0291		375.9904
<b>Total</b>	<b>5.4780</b>	<b>2.2451</b>	<b>2.4419</b>	<b>3.9600e-003</b>		<b>0.1479</b>	<b>0.1479</b>		<b>0.1479</b>	<b>0.1479</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0291</b>		<b>375.9904</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3053	0.1806	2.4193	6.6400e-003	0.6707	4.0600e-003	0.6747	0.1779	3.7400e-003	0.1816		660.9567	660.9567	0.0169		661.3803
<b>Total</b>	<b>0.3053</b>	<b>0.1806</b>	<b>2.4193</b>	<b>6.6400e-003</b>	<b>0.6707</b>	<b>4.0600e-003</b>	<b>0.6747</b>	<b>0.1779</b>	<b>3.7400e-003</b>	<b>0.1816</b>		<b>660.9567</b>	<b>660.9567</b>	<b>0.0169</b>		<b>661.3803</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN



Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.5 Architectural Coating - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479	0.0000	375.2641	375.2641	0.0291		375.9904
<b>Total</b>	<b>5.4780</b>	<b>2.2451</b>	<b>2.4419</b>	<b>3.9600e-003</b>		<b>0.1479</b>	<b>0.1479</b>		<b>0.1479</b>	<b>0.1479</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0291</b>		<b>375.9904</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3053	0.1806	2.4193	6.6400e-003	0.6707	4.0600e-003	0.6747	0.1779	3.7400e-003	0.1816		660.9567	660.9567	0.0169		661.3803
<b>Total</b>	<b>0.3053</b>	<b>0.1806</b>	<b>2.4193</b>	<b>6.6400e-003</b>	<b>0.6707</b>	<b>4.0600e-003</b>	<b>0.6747</b>	<b>0.1779</b>	<b>3.7400e-003</b>	<b>0.1816</b>		<b>660.9567</b>	<b>660.9567</b>	<b>0.0169</b>		<b>661.3803</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.5 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255		375.2641	375.2641	0.0258		375.9079
<b>Total</b>	<b>5.4470</b>	<b>2.0358</b>	<b>2.4234</b>	<b>3.9600e-003</b>		<b>0.1255</b>	<b>0.1255</b>		<b>0.1255</b>	<b>0.1255</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0258</b>		<b>375.9079</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2845	0.1621	2.2183	6.4100e-003	0.6707	3.9500e-003	0.6746	0.1779	3.6400e-003	0.1815		638.8506	638.8506	0.0152		639.2314
<b>Total</b>	<b>0.2845</b>	<b>0.1621</b>	<b>2.2183</b>	<b>6.4100e-003</b>	<b>0.6707</b>	<b>3.9500e-003</b>	<b>0.6746</b>	<b>0.1779</b>	<b>3.6400e-003</b>	<b>0.1815</b>		<b>638.8506</b>	<b>638.8506</b>	<b>0.0152</b>		<b>639.2314</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**3.5 Architectural Coating - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255	0.0000	375.2641	375.2641	0.0258		375.9079
<b>Total</b>	<b>5.4470</b>	<b>2.0358</b>	<b>2.4234</b>	<b>3.9600e-003</b>		<b>0.1255</b>	<b>0.1255</b>		<b>0.1255</b>	<b>0.1255</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0258</b>		<b>375.9079</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2845	0.1621	2.2183	6.4100e-003	0.6707	3.9500e-003	0.6746	0.1779	3.6400e-003	0.1815		638.8506	638.8506	0.0152		639.2314
<b>Total</b>	<b>0.2845</b>	<b>0.1621</b>	<b>2.2183</b>	<b>6.4100e-003</b>	<b>0.6707</b>	<b>3.9500e-003</b>	<b>0.6746</b>	<b>0.1779</b>	<b>3.6400e-003</b>	<b>0.1815</b>		<b>638.8506</b>	<b>638.8506</b>	<b>0.0152</b>		<b>639.2314</b>

**4.0 Operational Detail - Mobile**

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**4.1 Mitigation Measures Mobile**

Increase Diversity

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	4.3370	30.9037	50.5118	0.2082	15.0116	0.1434	15.1550	4.0166	0.1346	4.1512		21,239.33 46	21,239.33 46	1.0411		21,265.36 17
Unmitigated	4.4239	31.7453	53.1743	0.2198	15.9613	0.1515	16.1128	4.2707	0.1422	4.4130		22,417.69 16	22,417.69 16	1.0736		22,444.53 26

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	2,103.92	2,190.11	1905.02	7,134,393	6,709,897
Total	2,103.92	2,190.11	1,905.02	7,134,393	6,709,897

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038
Single Family Housing	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0469	0.4011	0.1707	2.5600e-003		0.0324	0.0324		0.0324	0.0324		512.0476	512.0476	9.8100e-003	9.3900e-003	515.0904
NaturalGas Unmitigated	0.0469	0.4011	0.1707	2.5600e-003		0.0324	0.0324		0.0324	0.0324		512.0476	512.0476	9.8100e-003	9.3900e-003	515.0904

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4352.4	0.0469	0.4011	0.1707	2.5600e-003		0.0324	0.0324		0.0324	0.0324		512.0476	512.0476	9.8100e-003	9.3900e-003	515.0904
<b>Total</b>		<b>0.0469</b>	<b>0.4011</b>	<b>0.1707</b>	<b>2.5600e-003</b>		<b>0.0324</b>	<b>0.0324</b>		<b>0.0324</b>	<b>0.0324</b>		<b>512.0476</b>	<b>512.0476</b>	<b>9.8100e-003</b>	<b>9.3900e-003</b>	<b>515.0904</b>

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4.3524	0.0469	0.4011	0.1707	2.5600e-003		0.0324	0.0324		0.0324	0.0324		512.0476	512.0476	9.8100e-003	9.3900e-003	515.0904
<b>Total</b>		<b>0.0469</b>	<b>0.4011</b>	<b>0.1707</b>	<b>2.5600e-003</b>		<b>0.0324</b>	<b>0.0324</b>		<b>0.0324</b>	<b>0.0324</b>		<b>512.0476</b>	<b>512.0476</b>	<b>9.8100e-003</b>	<b>9.3900e-003</b>	<b>515.0904</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN



Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.2290	3.8769	19.8336	0.0244		0.3971	0.3971		0.3971	0.3971	0.0000	4,712.8327	4,712.8327	0.1215	0.0858	4,741.4391
Unmitigated	12.2290	3.8769	19.8336	0.0244		0.3971	0.3971		0.3971	0.3971	0.0000	4,712.8327	4,712.8327	0.1215	0.0858	4,741.4391

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.9180					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.3283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4290	3.6660	1.5600	0.0234		0.2964	0.2964		0.2964	0.2964	0.0000	4,680.0000	4,680.0000	0.0897	0.0858	4,707.8109
Landscaping	0.5537	0.2109	18.2736	9.6000e-004		0.1007	0.1007		0.1007	0.1007		32.8327	32.8327	0.0318		33.6282
<b>Total</b>	<b>12.2290</b>	<b>3.8769</b>	<b>19.8336</b>	<b>0.0244</b>		<b>0.3971</b>	<b>0.3971</b>		<b>0.3971</b>	<b>0.3971</b>	<b>0.0000</b>	<b>4,712.8327</b>	<b>4,712.8327</b>	<b>0.1215</b>	<b>0.0858</b>	<b>4,741.4391</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.9180					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.3283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4290	3.6660	1.5600	0.0234		0.2964	0.2964		0.2964	0.2964	0.0000	4,680.0000	4,680.0000	0.0897	0.0858	4,707.8109
Landscaping	0.5537	0.2109	18.2736	9.6000e-004		0.1007	0.1007		0.1007	0.1007		32.8327	32.8327	0.0318		33.6282
<b>Total</b>	<b>12.2290</b>	<b>3.8769</b>	<b>19.8336</b>	<b>0.0244</b>		<b>0.3971</b>	<b>0.3971</b>		<b>0.3971</b>	<b>0.3971</b>	<b>0.0000</b>	<b>4,712.8327</b>	<b>4,712.8327</b>	<b>0.1215</b>	<b>0.0858</b>	<b>4,741.4391</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Summer

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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**User Defined Equipment**

Equipment Type	Number
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**11.0 Vegetation**

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Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**Legacy Park (Tentative Tract Map No. 36760)**  
Riverside-South Coast County, Winter

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	12.00	Acre	12.00	522,720.00	0
Single Family Housing	221.00	Dwelling Unit	40.90	512,278.00	632

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	479.9	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

Project Characteristics - CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Based on site plan dated September 19, 2016; Total lot acreage: 52.9; Average home size: 2,318 s.f

Construction Phase - Based on past project experience and a 2021 opening year

Off-road Equipment - Based on 8 hour workday

Off-road Equipment - Based on 8 hour workday

Off-road Equipment - Based on past project experience

Off-road Equipment -

Grading -

Vehicle Trips -

Woodstoves - Rule 445- Gas stoves only

Energy Use - Title-24 Electricity Energy Intensity and Natural Gas Energy Intensity were adjusted by 28% to reflect 2016 Title 24 requirements. Source: 2016 Title 24 Energy Efficiency Standards Adoption Hearing 06/10/15

Construction Off-road Equipment Mitigation -

Mobile Land Use Mitigation -

Fleet Mix - Based on Caltrans ITS Transportation Project-Level Carbon Monoxide Protocol to reflect residential land use trips.

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	75.00	650.00
tblConstructionPhase	NumDays	1,110.00	650.00
tblConstructionPhase	NumDays	110.00	75.00
tblConstructionPhase	NumDays	75.00	55.00
tblConstructionPhase	PhaseEndDate	11/23/2022	12/24/2021
tblConstructionPhase	PhaseEndDate	3/11/2020	9/25/2020
tblConstructionPhase	PhaseEndDate	9/13/2017	1/12/2018
tblConstructionPhase	PhaseEndDate	5/27/2020	3/30/2018
tblConstructionPhase	PhaseStartDate	5/28/2020	6/29/2019
tblConstructionPhase	PhaseStartDate	9/14/2017	3/31/2018

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

tblConstructionPhase	PhaseStartDate	6/1/2017	10/1/2017
tblConstructionPhase	PhaseStartDate	3/12/2020	1/13/2018
tblEnergyUse	T24E	1,077.77	775.99
tblEnergyUse	T24NG	31,096.40	1,158.36
tblFireplaces	NumberGas	187.85	221.00
tblFireplaces	NumberNoFireplace	22.10	0.00
tblFireplaces	NumberWood	11.05	0.00
tblLandUse	BuildingSpaceSquareFeet	397,800.00	512,278.00
tblLandUse	LandUseSquareFeet	397,800.00	512,278.00
tblLandUse	LotAcreage	71.75	40.90
tblOffRoadEquipment	HorsePower	402.00	189.00
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	479.9
tblProjectCharacteristics	OperationalYear	2018	2021
tblWoodstoves	NumberCatalytic	11.05	0.00
tblWoodstoves	NumberNoncatalytic	11.05	0.00

2.0 Emissions Summary

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN



Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**2.1 Overall Construction (Maximum Daily Emission)**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.5937	75.3241	42.7568	0.0726	8.9304	3.3889	12.3193	3.6647	3.1178	6.7825	0.0000	7,418.7935	7,418.7935	2.2049	0.0000	7,473.9160
2018	5.7931	65.3643	38.5862	0.0882	8.9304	2.8708	11.8012	3.6647	2.6411	6.3058	0.0000	8,887.6308	8,887.6308	2.2042	0.0000	8,914.4560
2019	10.3343	38.7887	36.3985	0.0972	4.7108	1.6721	6.3829	1.2652	1.5816	2.8468	0.0000	9,726.8615	9,726.8615	1.0902	0.0000	9,754.1163
2020	9.8426	35.1687	34.5217	0.0958	4.7108	1.4315	6.1423	1.2652	1.3539	2.6190	0.0000	9,547.6966	9,547.6966	1.0496	0.0000	9,573.9376
2021	5.7261	2.2034	4.2140	9.7100e-003	0.6707	0.1294	0.8001	0.1779	0.1291	0.3070	0.0000	948.3802	948.3802	0.0390	0.0000	949.3551
<b>Maximum</b>	<b>10.3343</b>	<b>75.3241</b>	<b>42.7568</b>	<b>0.0972</b>	<b>8.9304</b>	<b>3.3889</b>	<b>12.3193</b>	<b>3.6647</b>	<b>3.1178</b>	<b>6.7825</b>	<b>0.0000</b>	<b>9,726.8615</b>	<b>9,726.8615</b>	<b>2.2049</b>	<b>0.0000</b>	<b>9,754.1163</b>

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**2.1 Overall Construction (Maximum Daily Emission)**

**Mitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	lb/day										lb/day					
2017	6.5937	75.3241	42.7568	0.0726	3.6397	3.3889	7.0286	1.4708	3.1178	4.5886	0.0000	7,418.7935	7,418.7935	2.2049	0.0000	7,473.9160
2018	5.7931	65.3643	38.5862	0.0882	4.0402	2.8708	6.5105	1.4708	2.6411	4.1120	0.0000	8,887.6308	8,887.6308	2.2042	0.0000	8,914.4560
2019	10.3343	38.7887	36.3985	0.0972	4.7108	1.6721	6.3829	1.2652	1.5816	2.8468	0.0000	9,726.8615	9,726.8615	1.0902	0.0000	9,754.1163
2020	9.8426	35.1687	34.5217	0.0958	4.7108	1.4315	6.1423	1.2652	1.3539	2.6190	0.0000	9,547.6966	9,547.6966	1.0496	0.0000	9,573.9376
2021	5.7261	2.2034	4.2140	9.7100e-003	0.6707	0.1294	0.8001	0.1779	0.1291	0.3070	0.0000	948.3802	948.3802	0.0390	0.0000	949.3551
<b>Maximum</b>	<b>10.3343</b>	<b>75.3241</b>	<b>42.7568</b>	<b>0.0972</b>	<b>4.7108</b>	<b>3.3889</b>	<b>7.0286</b>	<b>1.4708</b>	<b>3.1178</b>	<b>4.5886</b>	<b>0.0000</b>	<b>9,726.8615</b>	<b>9,726.8615</b>	<b>2.2049</b>	<b>0.0000</b>	<b>9,754.1163</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>36.42</b>	<b>0.00</b>	<b>28.26</b>	<b>43.71</b>	<b>0.00</b>	<b>23.26</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**2.2 Overall Operational**

**Unmitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.2290	3.8769	19.8336	0.0244		0.3971	0.3971		0.3971	0.3971	0.0000	4,712.8327	4,712.8327	0.1215	0.0858	4,741.4391
Energy	0.0469	0.4011	0.1707	2.5600e-003		0.0324	0.0324		0.0324	0.0324		512.0476	512.0476	9.8100e-003	9.3900e-003	515.0904
Mobile	3.7574	31.8018	45.9616	0.2028	15.9613	0.1531	16.1143	4.2707	0.1437	4.4144		20,703.3860	20,703.3860	1.1056		20,731.0264
<b>Total</b>	<b>16.0334</b>	<b>36.0798</b>	<b>65.9659</b>	<b>0.2297</b>	<b>15.9613</b>	<b>0.5826</b>	<b>16.5439</b>	<b>4.2707</b>	<b>0.5732</b>	<b>4.8440</b>	<b>0.0000</b>	<b>25,928.2663</b>	<b>25,928.2663</b>	<b>1.2369</b>	<b>0.0952</b>	<b>25,987.5559</b>

**Mitigated Operational**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Area	12.2290	3.8769	19.8336	0.0244		0.3971	0.3971		0.3971	0.3971	0.0000	4,712.8327	4,712.8327	0.1215	0.0858	4,741.4391
Energy	0.0469	0.4011	0.1707	2.5600e-003		0.0324	0.0324		0.0324	0.0324		512.0476	512.0476	9.8100e-003	9.3900e-003	515.0904
Mobile	3.6763	30.9184	43.8339	0.1920	15.0116	0.1449	15.1565	4.0166	0.1360	4.1526		19,608.9083	19,608.9083	1.0755		19,635.7944
<b>Total</b>	<b>15.9522</b>	<b>35.1964</b>	<b>63.8383</b>	<b>0.2189</b>	<b>15.0116</b>	<b>0.5745</b>	<b>15.5861</b>	<b>4.0166</b>	<b>0.5656</b>	<b>4.5822</b>	<b>0.0000</b>	<b>24,833.7885</b>	<b>24,833.7885</b>	<b>1.2068</b>	<b>0.0952</b>	<b>24,892.3239</b>

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.51	2.45	3.23	4.68	5.95	1.40	5.79	5.95	1.33	5.40	0.00	4.22	4.22	2.44	0.00	4.21

### 3.0 Construction Detail

#### Construction Phase

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	10/1/2017	1/12/2018	5	75	
2	Paving	Paving	1/13/2018	3/30/2018	5	55	
3	Building Construction	Building Construction	3/31/2018	9/25/2020	5	650	
4	Architectural Coating	Architectural Coating	6/29/2019	12/24/2021	5	650	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 12

Residential Indoor: 1,037,363; Residential Outdoor: 345,788; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 31,363 (Architectural Coating – sqft)

#### OffRoad Equipment

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	189	0.50
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Architectural Coating	Air Compressors	1	8.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	9	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	299.00	109.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	60.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.2 Grading - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	6.4437	75.2195	41.7040	0.0701		3.3873	3.3873		3.1163	3.1163		7,169.5561	7,169.5561	2.1967		7,224.4745
<b>Total</b>	<b>6.4437</b>	<b>75.2195</b>	<b>41.7040</b>	<b>0.0701</b>	<b>8.6733</b>	<b>3.3873</b>	<b>12.0606</b>	<b>3.5965</b>	<b>3.1163</b>	<b>6.7128</b>		<b>7,169.5561</b>	<b>7,169.5561</b>	<b>2.1967</b>		<b>7,224.4745</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1500	0.1046	1.0528	2.5100e-003	0.2571	1.6500e-003	0.2587	0.0682	1.5200e-003	0.0697		249.2375	249.2375	8.1600e-003		249.4414
<b>Total</b>	<b>0.1500</b>	<b>0.1046</b>	<b>1.0528</b>	<b>2.5100e-003</b>	<b>0.2571</b>	<b>1.6500e-003</b>	<b>0.2587</b>	<b>0.0682</b>	<b>1.5200e-003</b>	<b>0.0697</b>		<b>249.2375</b>	<b>249.2375</b>	<b>8.1600e-003</b>		<b>249.4414</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN



Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.2 Grading - 2017**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	6.4437	75.2195	41.7040	0.0701		3.3873	3.3873		3.1163	3.1163	0.0000	7,169.5561	7,169.5561	2.1967		7,224.4745
<b>Total</b>	<b>6.4437</b>	<b>75.2195</b>	<b>41.7040</b>	<b>0.0701</b>	<b>3.3826</b>	<b>3.3873</b>	<b>6.7699</b>	<b>1.4026</b>	<b>3.1163</b>	<b>4.5189</b>	<b>0.0000</b>	<b>7,169.5561</b>	<b>7,169.5561</b>	<b>2.1967</b>		<b>7,224.4745</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1500	0.1046	1.0528	2.5100e-003	0.2571	1.6500e-003	0.2587	0.0682	1.5200e-003	0.0697		249.2375	249.2375	8.1600e-003		249.4414
<b>Total</b>	<b>0.1500</b>	<b>0.1046</b>	<b>1.0528</b>	<b>2.5100e-003</b>	<b>0.2571</b>	<b>1.6500e-003</b>	<b>0.2587</b>	<b>0.0682</b>	<b>1.5200e-003</b>	<b>0.0697</b>		<b>249.2375</b>	<b>249.2375</b>	<b>8.1600e-003</b>		<b>249.4414</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.2 Grading - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					8.6733	0.0000	8.6733	3.5965	0.0000	3.5965			0.0000			0.0000
Off-Road	5.6580	65.2731	37.6616	0.0701		2.8692	2.8692		2.6397	2.6397		7,057.1675	7,057.1675	2.1970		7,112.0924
<b>Total</b>	<b>5.6580</b>	<b>65.2731</b>	<b>37.6616</b>	<b>0.0701</b>	<b>8.6733</b>	<b>2.8692</b>	<b>11.5425</b>	<b>3.5965</b>	<b>2.6397</b>	<b>6.2362</b>		<b>7,057.1675</b>	<b>7,057.1675</b>	<b>2.1970</b>		<b>7,112.0924</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1351	0.0913	0.9246	2.4300e-003	0.2571	1.6100e-003	0.2587	0.0682	1.4800e-003	0.0697		242.1252	242.1252	7.1600e-003		242.3043
<b>Total</b>	<b>0.1351</b>	<b>0.0913</b>	<b>0.9246</b>	<b>2.4300e-003</b>	<b>0.2571</b>	<b>1.6100e-003</b>	<b>0.2587</b>	<b>0.0682</b>	<b>1.4800e-003</b>	<b>0.0697</b>		<b>242.1252</b>	<b>242.1252</b>	<b>7.1600e-003</b>		<b>242.3043</b>

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.2 Grading - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Fugitive Dust					3.3826	0.0000	3.3826	1.4026	0.0000	1.4026			0.0000			0.0000
Off-Road	5.6580	65.2731	37.6616	0.0701		2.8692	2.8692		2.6397	2.6397	0.0000	7,057.1675	7,057.1675	2.1970		7,112.0923
<b>Total</b>	<b>5.6580</b>	<b>65.2731</b>	<b>37.6616</b>	<b>0.0701</b>	<b>3.3826</b>	<b>2.8692</b>	<b>6.2518</b>	<b>1.4026</b>	<b>2.6397</b>	<b>4.0423</b>	<b>0.0000</b>	<b>7,057.1675</b>	<b>7,057.1675</b>	<b>2.1970</b>		<b>7,112.0923</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.1351	0.0913	0.9246	2.4300e-003	0.2571	1.6100e-003	0.2587	0.0682	1.4800e-003	0.0697		242.1252	242.1252	7.1600e-003		242.3043
<b>Total</b>	<b>0.1351</b>	<b>0.0913</b>	<b>0.9246</b>	<b>2.4300e-003</b>	<b>0.2571</b>	<b>1.6100e-003</b>	<b>0.2587</b>	<b>0.0682</b>	<b>1.4800e-003</b>	<b>0.0697</b>		<b>242.1252</b>	<b>242.1252</b>	<b>7.1600e-003</b>		<b>242.3043</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.3 Paving - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797		2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.5716					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2153</b>	<b>17.5209</b>	<b>14.7964</b>	<b>0.0228</b>		<b>0.9561</b>	<b>0.9561</b>		<b>0.8797</b>	<b>0.8797</b>		<b>2,294.0887</b>	<b>2,294.0887</b>	<b>0.7142</b>		<b>2,311.9432</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0881	0.0595	0.6030	1.5900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.7000e-004	0.0454		157.9077	157.9077	4.6700e-003		158.0245
<b>Total</b>	<b>0.0881</b>	<b>0.0595</b>	<b>0.6030</b>	<b>1.5900e-003</b>	<b>0.1677</b>	<b>1.0500e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.7000e-004</b>	<b>0.0454</b>		<b>157.9077</b>	<b>157.9077</b>	<b>4.6700e-003</b>		<b>158.0245</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.3 Paving - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	1.6437	17.5209	14.7964	0.0228		0.9561	0.9561		0.8797	0.8797	0.0000	2,294.0887	2,294.0887	0.7142		2,311.9432
Paving	0.5716					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
<b>Total</b>	<b>2.2153</b>	<b>17.5209</b>	<b>14.7964</b>	<b>0.0228</b>		<b>0.9561</b>	<b>0.9561</b>		<b>0.8797</b>	<b>0.8797</b>	<b>0.0000</b>	<b>2,294.0887</b>	<b>2,294.0887</b>	<b>0.7142</b>		<b>2,311.9432</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.0881	0.0595	0.6030	1.5900e-003	0.1677	1.0500e-003	0.1687	0.0445	9.7000e-004	0.0454		157.9077	157.9077	4.6700e-003		158.0245
<b>Total</b>	<b>0.0881</b>	<b>0.0595</b>	<b>0.6030</b>	<b>1.5900e-003</b>	<b>0.1677</b>	<b>1.0500e-003</b>	<b>0.1687</b>	<b>0.0445</b>	<b>9.7000e-004</b>	<b>0.0454</b>		<b>157.9077</b>	<b>157.9077</b>	<b>4.6700e-003</b>		<b>158.0245</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.4 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082		2,810.8008	2,810.8008	0.7012		2,828.3317
<b>Total</b>	<b>2.8506</b>	<b>25.2288</b>	<b>18.7719</b>	<b>0.0288</b>		<b>1.6066</b>	<b>1.6066</b>		<b>1.5082</b>	<b>1.5082</b>		<b>2,810.8008</b>	<b>2,810.8008</b>	<b>0.7012</b>		<b>2,828.3317</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4208	13.2324	2.9551	0.0278	0.6981	0.1124	0.8104	0.2010	0.1075	0.3085		2,929.2026	2,929.2026	0.2787		2,936.1689
Worker	1.7565	1.1863	12.0200	0.0316	3.3421	0.0209	3.3630	0.8863	0.0193	0.9056		3,147.6274	3,147.6274	0.0931		3,149.9554
<b>Total</b>	<b>2.1773</b>	<b>14.4187</b>	<b>14.9751</b>	<b>0.0594</b>	<b>4.0402</b>	<b>0.1333</b>	<b>4.1734</b>	<b>1.0873</b>	<b>0.1268</b>	<b>1.2141</b>		<b>6,076.8300</b>	<b>6,076.8300</b>	<b>0.3718</b>		<b>6,086.1243</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN



Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.4 Building Construction - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.8506	25.2288	18.7719	0.0288		1.6066	1.6066		1.5082	1.5082	0.0000	2,810.8008	2,810.8008	0.7012		2,828.3317
<b>Total</b>	<b>2.8506</b>	<b>25.2288</b>	<b>18.7719</b>	<b>0.0288</b>		<b>1.6066</b>	<b>1.6066</b>		<b>1.5082</b>	<b>1.5082</b>	<b>0.0000</b>	<b>2,810.8008</b>	<b>2,810.8008</b>	<b>0.7012</b>		<b>2,828.3317</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.4208	13.2324	2.9551	0.0278	0.6981	0.1124	0.8104	0.2010	0.1075	0.3085		2,929.2026	2,929.2026	0.2787		2,936.1689
Worker	1.7565	1.1863	12.0200	0.0316	3.3421	0.0209	3.3630	0.8863	0.0193	0.9056		3,147.6274	3,147.6274	0.0931		3,149.9554
<b>Total</b>	<b>2.1773</b>	<b>14.4187</b>	<b>14.9751</b>	<b>0.0594</b>	<b>4.0402</b>	<b>0.1333</b>	<b>4.1734</b>	<b>1.0873</b>	<b>0.1268</b>	<b>1.2141</b>		<b>6,076.8300</b>	<b>6,076.8300</b>	<b>0.3718</b>		<b>6,086.1243</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.4 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958		2,778.3097	2,778.3097	0.6904		2,795.5700
<b>Total</b>	<b>2.5115</b>	<b>22.7062</b>	<b>18.3139</b>	<b>0.0288</b>		<b>1.3802</b>	<b>1.3802</b>		<b>1.2958</b>	<b>1.2958</b>		<b>2,778.3097</b>	<b>2,778.3097</b>	<b>0.6904</b>		<b>2,795.5700</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3811	12.3796	2.7035	0.0276	0.6980	0.0954	0.7934	0.2010	0.0913	0.2923		2,909.6311	2,909.6311	0.2687		2,916.3480
Worker	1.6086	1.0459	10.7657	0.0306	3.3421	0.0206	3.3628	0.8863	0.0190	0.9054		3,051.3463	3,051.3463	0.0828		3,053.4162
<b>Total</b>	<b>1.9897</b>	<b>13.4255</b>	<b>13.4691</b>	<b>0.0582</b>	<b>4.0401</b>	<b>0.1161</b>	<b>4.1562</b>	<b>1.0873</b>	<b>0.1103</b>	<b>1.1976</b>		<b>5,960.9774</b>	<b>5,960.9774</b>	<b>0.3515</b>		<b>5,969.7642</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.4 Building Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.5115	22.7062	18.3139	0.0288		1.3802	1.3802		1.2958	1.2958	0.0000	2,778.3097	2,778.3097	0.6904		2,795.5700
<b>Total</b>	<b>2.5115</b>	<b>22.7062</b>	<b>18.3139</b>	<b>0.0288</b>		<b>1.3802</b>	<b>1.3802</b>		<b>1.2958</b>	<b>1.2958</b>	<b>0.0000</b>	<b>2,778.3097</b>	<b>2,778.3097</b>	<b>0.6904</b>		<b>2,795.5700</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3811	12.3796	2.7035	0.0276	0.6980	0.0954	0.7934	0.2010	0.0913	0.2923		2,909.6311	2,909.6311	0.2687		2,916.3480
Worker	1.6086	1.0459	10.7657	0.0306	3.3421	0.0206	3.3628	0.8863	0.0190	0.9054		3,051.3463	3,051.3463	0.0828		3,053.4162
<b>Total</b>	<b>1.9897</b>	<b>13.4255</b>	<b>13.4691</b>	<b>0.0582</b>	<b>4.0401</b>	<b>0.1161</b>	<b>4.1562</b>	<b>1.0873</b>	<b>0.1103</b>	<b>1.1976</b>		<b>5,960.9774</b>	<b>5,960.9774</b>	<b>0.3515</b>		<b>5,969.7642</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.4 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218		2,735.6999	2,735.6999	0.6819		2,752.7481
<b>Total</b>	<b>2.2551</b>	<b>20.6494</b>	<b>17.9678</b>	<b>0.0288</b>		<b>1.1948</b>	<b>1.1948</b>		<b>1.1218</b>	<b>1.1218</b>		<b>2,735.6999</b>	<b>2,735.6999</b>	<b>0.6819</b>		<b>2,752.7481</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3205	11.1565	2.4024	0.0274	0.6980	0.0645	0.7625	0.2010	0.0617	0.2627		2,888.9661	2,888.9661	0.2505		2,895.2296
Worker	1.4901	0.9309	9.7526	0.0297	3.3421	0.0202	3.3624	0.8863	0.0186	0.9050		2,954.8250	2,954.8250	0.0734		2,956.6598
<b>Total</b>	<b>1.8105</b>	<b>12.0874</b>	<b>12.1549</b>	<b>0.0571</b>	<b>4.0401</b>	<b>0.0848</b>	<b>4.1249</b>	<b>1.0873</b>	<b>0.0804</b>	<b>1.1677</b>		<b>5,843.7911</b>	<b>5,843.7911</b>	<b>0.3239</b>		<b>5,851.8894</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.4 Building Construction - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Off-Road	2.2551	20.6494	17.9678	0.0288		1.1948	1.1948		1.1218	1.1218	0.0000	2,735.6999	2,735.6999	0.6819		2,752.7481
<b>Total</b>	<b>2.2551</b>	<b>20.6494</b>	<b>17.9678</b>	<b>0.0288</b>		<b>1.1948</b>	<b>1.1948</b>		<b>1.1218</b>	<b>1.1218</b>	<b>0.0000</b>	<b>2,735.6999</b>	<b>2,735.6999</b>	<b>0.6819</b>		<b>2,752.7481</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.3205	11.1565	2.4024	0.0274	0.6980	0.0645	0.7625	0.2010	0.0617	0.2627		2,888.9661	2,888.9661	0.2505		2,895.2296
Worker	1.4901	0.9309	9.7526	0.0297	3.3421	0.0202	3.3624	0.8863	0.0186	0.9050		2,954.8250	2,954.8250	0.0734		2,956.6598
<b>Total</b>	<b>1.8105</b>	<b>12.0874</b>	<b>12.1549</b>	<b>0.0571</b>	<b>4.0401</b>	<b>0.0848</b>	<b>4.1249</b>	<b>1.0873</b>	<b>0.0804</b>	<b>1.1677</b>		<b>5,843.7911</b>	<b>5,843.7911</b>	<b>0.3239</b>		<b>5,851.8894</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.5 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3553	2.4472	2.4551	3.9600e-003		0.1717	0.1717		0.1717	0.1717		375.2641	375.2641	0.0317		376.0565
<b>Total</b>	<b>5.5104</b>	<b>2.4472</b>	<b>2.4551</b>	<b>3.9600e-003</b>		<b>0.1717</b>	<b>0.1717</b>		<b>0.1717</b>	<b>0.1717</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0317</b>		<b>376.0565</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3228	0.2099	2.1603	6.1500e-003	0.6707	4.1400e-003	0.6748	0.1779	3.8100e-003	0.1817		612.3103	612.3103	0.0166		612.7257
<b>Total</b>	<b>0.3228</b>	<b>0.2099</b>	<b>2.1603</b>	<b>6.1500e-003</b>	<b>0.6707</b>	<b>4.1400e-003</b>	<b>0.6748</b>	<b>0.1779</b>	<b>3.8100e-003</b>	<b>0.1817</b>		<b>612.3103</b>	<b>612.3103</b>	<b>0.0166</b>		<b>612.7257</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN



Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.5 Architectural Coating - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3553	2.4472	2.4551	3.9600e-003		0.1717	0.1717		0.1717	0.1717	0.0000	375.2641	375.2641	0.0317		376.0565
<b>Total</b>	<b>5.5104</b>	<b>2.4472</b>	<b>2.4551</b>	<b>3.9600e-003</b>		<b>0.1717</b>	<b>0.1717</b>		<b>0.1717</b>	<b>0.1717</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0317</b>		<b>376.0565</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.3228	0.2099	2.1603	6.1500e-003	0.6707	4.1400e-003	0.6748	0.1779	3.8100e-003	0.1817		612.3103	612.3103	0.0166		612.7257
<b>Total</b>	<b>0.3228</b>	<b>0.2099</b>	<b>2.1603</b>	<b>6.1500e-003</b>	<b>0.6707</b>	<b>4.1400e-003</b>	<b>0.6748</b>	<b>0.1779</b>	<b>3.8100e-003</b>	<b>0.1817</b>		<b>612.3103</b>	<b>612.3103</b>	<b>0.0166</b>		<b>612.7257</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.5 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479		375.2641	375.2641	0.0291		375.9904
<b>Total</b>	<b>5.4780</b>	<b>2.2451</b>	<b>2.4419</b>	<b>3.9600e-003</b>		<b>0.1479</b>	<b>0.1479</b>		<b>0.1479</b>	<b>0.1479</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0291</b>		<b>375.9904</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2990	0.1868	1.9570	5.9500e-003	0.6707	4.0600e-003	0.6747	0.1779	3.7400e-003	0.1816		592.9415	592.9415	0.0147		593.3097
<b>Total</b>	<b>0.2990</b>	<b>0.1868</b>	<b>1.9570</b>	<b>5.9500e-003</b>	<b>0.6707</b>	<b>4.0600e-003</b>	<b>0.6747</b>	<b>0.1779</b>	<b>3.7400e-003</b>	<b>0.1816</b>		<b>592.9415</b>	<b>592.9415</b>	<b>0.0147</b>		<b>593.3097</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.5 Architectural Coating - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.3229	2.2451	2.4419	3.9600e-003		0.1479	0.1479		0.1479	0.1479	0.0000	375.2641	375.2641	0.0291		375.9904
<b>Total</b>	<b>5.4780</b>	<b>2.2451</b>	<b>2.4419</b>	<b>3.9600e-003</b>		<b>0.1479</b>	<b>0.1479</b>		<b>0.1479</b>	<b>0.1479</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0291</b>		<b>375.9904</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2990	0.1868	1.9570	5.9500e-003	0.6707	4.0600e-003	0.6747	0.1779	3.7400e-003	0.1816		592.9415	592.9415	0.0147		593.3097
<b>Total</b>	<b>0.2990</b>	<b>0.1868</b>	<b>1.9570</b>	<b>5.9500e-003</b>	<b>0.6707</b>	<b>4.0600e-003</b>	<b>0.6747</b>	<b>0.1779</b>	<b>3.7400e-003</b>	<b>0.1816</b>		<b>592.9415</b>	<b>592.9415</b>	<b>0.0147</b>		<b>593.3097</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.5 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255		375.2641	375.2641	0.0258		375.9079
<b>Total</b>	<b>5.4470</b>	<b>2.0358</b>	<b>2.4234</b>	<b>3.9600e-003</b>		<b>0.1255</b>	<b>0.1255</b>		<b>0.1255</b>	<b>0.1255</b>		<b>375.2641</b>	<b>375.2641</b>	<b>0.0258</b>		<b>375.9079</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2792	0.1676	1.7906	5.7500e-003	0.6707	3.9500e-003	0.6746	0.1779	3.6400e-003	0.1815		573.1161	573.1161	0.0132		573.4472
<b>Total</b>	<b>0.2792</b>	<b>0.1676</b>	<b>1.7906</b>	<b>5.7500e-003</b>	<b>0.6707</b>	<b>3.9500e-003</b>	<b>0.6746</b>	<b>0.1779</b>	<b>3.6400e-003</b>	<b>0.1815</b>		<b>573.1161</b>	<b>573.1161</b>	<b>0.0132</b>		<b>573.4472</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**3.5 Architectural Coating - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Archit. Coating	5.1551					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Off-Road	0.2919	2.0358	2.4234	3.9600e-003		0.1255	0.1255		0.1255	0.1255	0.0000	375.2641	375.2641	0.0258		375.9079
<b>Total</b>	<b>5.4470</b>	<b>2.0358</b>	<b>2.4234</b>	<b>3.9600e-003</b>		<b>0.1255</b>	<b>0.1255</b>		<b>0.1255</b>	<b>0.1255</b>	<b>0.0000</b>	<b>375.2641</b>	<b>375.2641</b>	<b>0.0258</b>		<b>375.9079</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000	0.0000		0.0000
Worker	0.2792	0.1676	1.7906	5.7500e-003	0.6707	3.9500e-003	0.6746	0.1779	3.6400e-003	0.1815		573.1161	573.1161	0.0132		573.4472
<b>Total</b>	<b>0.2792</b>	<b>0.1676</b>	<b>1.7906</b>	<b>5.7500e-003</b>	<b>0.6707</b>	<b>3.9500e-003</b>	<b>0.6746</b>	<b>0.1779</b>	<b>3.6400e-003</b>	<b>0.1815</b>		<b>573.1161</b>	<b>573.1161</b>	<b>0.0132</b>		<b>573.4472</b>

**4.0 Operational Detail - Mobile**

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**4.1 Mitigation Measures Mobile**

Increase Diversity

Improve Pedestrian Network

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	3.6763	30.9184	43.8339	0.1920	15.0116	0.1449	15.1565	4.0166	0.1360	4.1526		19,608.90 83	19,608.90 83	1.0755		19,635.79 44
Unmitigated	3.7574	31.8018	45.9616	0.2028	15.9613	0.1531	16.1143	4.2707	0.1437	4.4144		20,703.38 60	20,703.38 60	1.1056		20,731.02 64

**4.2 Trip Summary Information**

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	2,103.92	2,190.11	1905.02	7,134,393	6,709,897
Total	2,103.92	2,190.11	1,905.02	7,134,393	6,709,897

**4.3 Trip Type Information**

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

Attachment: Air Quality Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN



Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**4.4 Fleet Mix**

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038
Single Family Housing	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

**5.0 Energy Detail**

Historical Energy Use: N

**5.1 Mitigation Measures Energy**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
NaturalGas Mitigated	0.0469	0.4011	0.1707	2.5600e-003		0.0324	0.0324		0.0324	0.0324		512.0476	512.0476	9.8100e-003	9.3900e-003	515.0904
NaturalGas Unmitigated	0.0469	0.4011	0.1707	2.5600e-003		0.0324	0.0324		0.0324	0.0324		512.0476	512.0476	9.8100e-003	9.3900e-003	515.0904

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**5.2 Energy by Land Use - Natural Gas**

**Unmitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4352.4	0.0469	0.4011	0.1707	2.5600e-003		0.0324	0.0324		0.0324	0.0324		512.0476	512.0476	9.8100e-003	9.3900e-003	515.0904
<b>Total</b>		<b>0.0469</b>	<b>0.4011</b>	<b>0.1707</b>	<b>2.5600e-003</b>		<b>0.0324</b>	<b>0.0324</b>		<b>0.0324</b>	<b>0.0324</b>		<b>512.0476</b>	<b>512.0476</b>	<b>9.8100e-003</b>	<b>9.3900e-003</b>	<b>515.0904</b>

**Mitigated**

	Natural Gas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	lb/day										lb/day					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	4.3524	0.0469	0.4011	0.1707	2.5600e-003		0.0324	0.0324		0.0324	0.0324		512.0476	512.0476	9.8100e-003	9.3900e-003	515.0904
<b>Total</b>		<b>0.0469</b>	<b>0.4011</b>	<b>0.1707</b>	<b>2.5600e-003</b>		<b>0.0324</b>	<b>0.0324</b>		<b>0.0324</b>	<b>0.0324</b>		<b>512.0476</b>	<b>512.0476</b>	<b>9.8100e-003</b>	<b>9.3900e-003</b>	<b>515.0904</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	lb/day										lb/day					
Mitigated	12.2290	3.8769	19.8336	0.0244		0.3971	0.3971		0.3971	0.3971	0.0000	4,712.8327	4,712.8327	0.1215	0.0858	4,741.4391
Unmitigated	12.2290	3.8769	19.8336	0.0244		0.3971	0.3971		0.3971	0.3971	0.0000	4,712.8327	4,712.8327	0.1215	0.0858	4,741.4391

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.9180					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.3283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4290	3.6660	1.5600	0.0234		0.2964	0.2964		0.2964	0.2964	0.0000	4,680.0000	4,680.0000	0.0897	0.0858	4,707.8109
Landscaping	0.5537	0.2109	18.2736	9.6000e-004		0.1007	0.1007		0.1007	0.1007		32.8327	32.8327	0.0318		33.6282
<b>Total</b>	<b>12.2290</b>	<b>3.8769</b>	<b>19.8336</b>	<b>0.0244</b>		<b>0.3971</b>	<b>0.3971</b>		<b>0.3971</b>	<b>0.3971</b>	<b>0.0000</b>	<b>4,712.8327</b>	<b>4,712.8327</b>	<b>0.1215</b>	<b>0.0858</b>	<b>4,741.4391</b>

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**6.2 Area by SubCategory**

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	lb/day										lb/day					
Architectural Coating	0.9180					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Consumer Products	10.3283					0.0000	0.0000		0.0000	0.0000			0.0000			0.0000
Hearth	0.4290	3.6660	1.5600	0.0234		0.2964	0.2964		0.2964	0.2964	0.0000	4,680.0000	4,680.0000	0.0897	0.0858	4,707.8109
Landscaping	0.5537	0.2109	18.2736	9.6000e-004		0.1007	0.1007		0.1007	0.1007		32.8327	32.8327	0.0318		33.6282
<b>Total</b>	<b>12.2290</b>	<b>3.8769</b>	<b>19.8336</b>	<b>0.0244</b>		<b>0.3971</b>	<b>0.3971</b>		<b>0.3971</b>	<b>0.3971</b>	<b>0.0000</b>	<b>4,712.8327</b>	<b>4,712.8327</b>	<b>0.1215</b>	<b>0.0858</b>	<b>4,741.4391</b>

**7.0 Water Detail**

**7.1 Mitigation Measures Water**

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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**10.0 Stationary Equipment**

Attachment: Air Quality Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Winter

**Fire Pumps and Emergency Generators**

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
----------------	--------	-----------	------------	-------------	-------------	-----------

**Boilers**

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
----------------	--------	----------------	-----------------	---------------	-----------

**User Defined Equipment**

Equipment Type	Number
----------------	--------

**11.0 Vegetation**

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# **BIOLOGICAL TECHNICAL REPORT**

**For**

**TENTATIVE TRACT 36760**

**Located in the City of Moreno Valley  
Riverside County, California**

**Prepared For:**

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**September 18, 2014**



## INFORMATION SUMMARY

- A. Report Date:** September 17, 2014
- B. Report Title:** Biological Technical Report for Tentative Tract 36760
- C. Project Site Location:** Moreno Valley, Riverside County, California
- D. Owner/Applicant:** MPLC Legacy 75 Partners, LLP  
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Phone: (949) 333-6752, ext. 218  
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Report Preparer: David Moskovitz  
Email: dmoskovitz@wetlandpermitting.com
- F. Report Summary:**

This document provides the results of general and focused biological surveys for the approximately 53-acre Tentative Tract 36760 Project (“Project”) located in the City of Moreno Valley, Riverside County, California. This report identifies and evaluates impacts to biological resources associated with the proposed Project in the context of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP), the California Environmental Quality Act (CEQA), and State and Federal regulations such as the Endangered Species Act (ESA), Clean Water Act (CWA), and the California Fish and Game Code.

The Project site consists of a flat, undeveloped parcel that has been heavily disturbed through past and ongoing activities, including disking. The majority of the site is dominated by plants associated with ruderal areas.

The Project site is located within the Reche Canyon/Badlands Area Plan of the MSHCP, but is not located within the MSHCP Criteria Area. As such, the Project is not subject to the HANS or JPR processes. The Project site located within the burrowing owl survey area, but it not located within the NEPSSA, CAPSSA, amphibian, or mammal survey areas. Focused burrowing owl surveys were conducted for the Project site; however, no burrowing owls or burrows with owl sign were detected onsite. In compliance with the MSHCP, pre-construction burrowing owl surveys are required prior to site disturbance.

The Project site will not impact special-status plants, but will result in the loss of actual or potential habitat for special-status animals, including potential habitat for Stephens' kangaroo rat (*Dipodomys stephensi*) [SKR]. Impacts to SKR are covered under the SKR Habitat Conservation Plan (HCP) with payment of the SKR Fee. The loss of potential habitat for other special-status animals would be less than significant due to the low degree of sensitivity of the species, the disturbed nature of the site, and the lack of adjacency to native open space.

The Project site does not contain jurisdictional waters, MSHCP riparian/riverine areas, or MSHCP vernal pools.

The proposed Project will be consistent with the biological requirements of the MSHCP; specifically pertaining to the Project's relationship to reserve assembly, *Section 6.1.2* (Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools), *Section 6.1.3* (Protection of Narrow Endemic Plant Species), *Section 6.1.4* (Guidelines Pertaining to the Urban/Wildlands Interface), and *Section 6.3.2* (Additional Survey Needs and Procedures).

**G. Individuals Conducting Fieldwork:**

David Moskovitz  
David Smith

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- Exhibit 1 – Regional Map
- Exhibit 2 – Vicinity Map

- Exhibit 3 – MSHCP Overlay Map
- Exhibit 4 – Vegetation Map
- Exhibit 5 – Site Photographs
- Exhibit 6 – Burrowing Owl Transect Map
- Exhibit 7 – Soils Map

## 1.0 INTRODUCTION

### 1.1 Background and Scope of Work

This document provides the results of general and focused biological surveys for the approximately 53-acre Tentative Tract 36760 Project (“Project”) located in the City of Moreno Valley, Riverside County, California. This report identifies and evaluates impacts to biological resources associated with the proposed Project in the context of the Western Riverside County Multiple Species Habitat Conservation Plan (MSHCP), the California Environmental Quality Act (CEQA), and State and Federal regulations such as the Endangered Species Act (ESA), Clean Water Act (CWA), and the California Fish and Game Code.

The scope of this report includes a discussion of existing conditions for the Project site, all methods employed regarding the general and focused biological surveys, the documentation of botanical and wildlife resources identified (including special-status species), and an analysis of impacts to biological resources. Methods of the study include a review of relevant literature, field surveys, and a Geographical Information System (GIS)-based analysis of vegetation communities. As appropriate, this report is consistent with accepted scientific and technical standards and survey guideline requirements issued by the U.S. Fish and Wildlife Service (USFWS), the California Department of Fish and Wildlife (CDFW), the California Native Plant Society (CNPS), and other applicable agencies/organizations.

The field study focused on a number of primary objectives that would comply with CEQA requirements, including (1) general biological surveys and vegetation mapping; (2) habitat assessments for special-status plant species (including species with applicable MSHCP survey requirements); (3) habitat assessments for special-status wildlife species (including species with applicable MSHCP survey requirements); (4) assessments for MSHCP riparian/riverine areas and vernal pools; and (5) assessments for areas subject to the jurisdiction of the U.S. Army Corps of Engineers (Corps) pursuant to Section 404 of the Clean Water Act, and CDFW jurisdiction pursuant to Division 2, Chapter 6, Section 1600–1616 of the California Fish and Game Code. Observations of all plant and wildlife species were recorded during the general biological surveys and are included in this report.

### 1.2 Project Location

The Project site comprises approximately 53 acres in the City of Moreno Valley, Riverside California [Exhibit 1 – Regional Map] and is located within Section 19 of Township 3 South, Range 3 West, of the U.S. Geological Survey (USGS) 7.5” quadrangle map Sunnymead, California (dated 1967 and photorevised in 1980)[Exhibit 2 – Vicinity Map]. The Project site is comprised of three parcels (APN# 485-220-023, 485-220-032, and 485-220-040. The Project site is bordered by Indian Avenue and residential development to the west, an undeveloped parcel and residential development to the north, an undeveloped parcel and Perris Boulevard to the east, and March Middle School to the south.



### 1.3 Project Description

The proposed Project will subdivide 53.0 gross acres into 189 single family detached lots, one park lot, nine common area open space lots, and two remainder parcels. The Project is designed to accommodate two lot size product types (4,000 and 5,000 sf) as a Planned Unit Development (PUD).

### 1.4 Existing Conditions

The Project site consists of a flat, undeveloped parcel that has been heavily disturbed through past and ongoing activities, including disking. The majority of the site is dominated by plants associated with ruderal areas. The dominant plant at the site is Russian thistle (*Salsola tragus*). Additional plant species detected onsite include tumbling pigweed (*Amaranthus albus*), puncture vine (*Tribulus terrestris*), vinegar weed (*Trichostema lanceolatum*), telegraph weed (*Heterotheca grandiflora*), annual bur-sage (*Ambrosia acanthicarpa*), lamb's quarters (*Chenopodium album*), and common sunflower (*Helianthus annuus*).

### 1.5 Relationship of the Project Site to the MSHCP

#### 1.5.1 MSHCP Background

The Western Riverside County MSHCP is a comprehensive habitat conservation/planning program for Western Riverside County. The intent of the MSHCP is to preserve native vegetation and meet the habitat needs of multiple species, rather than focusing preservation efforts on one species at a time. The MSHCP provides coverage (including take authorization for listed species) for special-status plant and animal species, as well as mitigation for impacts to special-status species and associated native habitats.

Through agreements with the U.S. Fish and Wildlife Service (USFWS) and CDFW, the MSHCP designates 146 special-status animal and plant species as Covered Species, of which the majority have no project-specific survey/conservation requirements. The MSHCP provides mitigation for project-specific impacts to these species for Projects that are compliant/consistent with MSHCP requirements, such that the impacts are reduced to below a level of significance pursuant to CEQA.

The Covered Species that are not yet adequately conserved have additional requirements in order for these species to ultimately be considered "adequately conserved". A number of these species have survey requirements based on a project's occurrence within a designated MSHCP survey area and/or based on the presence of suitable habitat. These include Narrow Endemic Plant Species (MSHCP *Volume I, Section 6.1.3*), as identified by the Narrow Endemic Plant Species Survey Areas (NEPSSA); Criteria Area Plant Species (MSHCP *Volume I, Section 6.3.2*) identified by the Criteria Area Plant Species Survey Areas (CAPSSA); animals species (burrowing owl, mammals, amphibians) identified by survey areas (MSHCP *Volume I, Section 6.3.2*); and species associated with riparian/riverine areas and vernal pool habitats, i.e., least Bell's vireo, southwestern willow flycatcher, western yellow-billed cuckoo, and three species of listed fairy shrimp (MSHCP *Volume I, Section 6.1.2*).

The goal of the MSHCP is to have a total Conservation Area in excess of 500,000 acres, including approximately 347,000 acres on existing Public/Quasi-Public (PQP) Lands, and approximately 153,000 acres of Additional Reserve Lands targeted within the MSHCP Criteria Area. The MSHCP is divided into 16 separate Area Plans, each with its own conservation goals and objectives. Within each Area Plan, the Criteria Area is divided into Subunits, and further divided into Criteria Cells and Cell Groups (a group of criteria cells). Each Cell Group and ungrouped, independent Cell has designated “criteria” for the purpose of targeting additional conservation lands for acquisition. Projects located within the Criteria Area are subject to the Habitat Evaluation and Acquisition Negotiation Strategy (HANS) process to determine if lands are targeted for inclusion in the MSHCP Reserve. In addition, all Projects located within the Criteria Area are subject to the Joint Project Review (JPR) process, where the Project is reviewed by the Regional Conservation Authority (RCA) to determine overall compliance/consistency with the biological requirements of the MSHCP.

### **1.6.2 Relationship of the Project Site to the MSHCP**

The Project site is located within the Reche Canyon/Badlands Area Plan of the MSHCP, but is not located within the MSHCP Criteria Area. As such, the Project is not subject to the HANS or JPR processes. The Project site located within the burrowing owl survey area, but it not located within the NEPSSA, CAPSSA, amphibian, or mammal survey areas [Exhibit 3 – MSHCP Overlay Map].

Within the designated Survey Areas, the MSHCP requires habitat assessments, and focused surveys within areas of suitable habitat. For locations with positive survey results, the MSHCP requires that 90 percent of those portions of the property that provide for long-term conservation value for the identified species shall be avoided until it is demonstrated that conservation goals for the particular species have been met throughout the MSHCP. Findings of equivalency shall be made demonstrating that the 90-percent standard has been met, if applicable. If equivalency findings cannot be demonstrated, then “biologically equivalent or superior preservation” must be provided.

## 2.0 METHODOLOGY

### 2.1 Summary of Surveys

GLA conducted biological surveys in order to identify and analyze actual or potential impacts to biological resources associated with the Project. The scope of the biological surveys was determined through a review of the CNDDDB [CDFW 2014], CNPS 8<sup>th</sup> edition online inventory (CNPS 2010), Natural Resource Conservation Service (NRCS) soil data, MSHCP species and habitat maps, MSHCP sensitive soil maps, other pertinent literature, and knowledge of the region. Fieldwork included general biological surveys and habitat assessments, and focused surveys for the burrowing owl (*Athene cunicularia*). Observations of all plant and wildlife species were recorded during each of the above mentioned survey efforts. In addition, the site surveys included an assessment for aquatic resources, including MSHCP riparian/riverine areas and vernal pools; and waters subject to the jurisdiction of the U.S. Army Corps of Engineers (Corps), Regional Water Quality Control Board (Regional Board), and CDFW.

Table 2-1 provides a summary list of survey dates, survey types and personnel.

**Table 2-1. Summary of Biological Surveys for the Project Site.**

Survey Type	2014 Survey Dates	Biologists
General Biological Survey Habitat Assessments Focused Burrow Survey	8/21	DM
Focused Burrowing Owl Surveys	8/21 8/27 8/28 8/29	DM DS DS DM

DM = David Moskovitz, DS = David Smith

Individual plants and wildlife species are evaluated in this report based on their “special-status.” For the purpose of this report, plants were considered “special-status” based on one or more of the following criteria:

- Listing through the Federal and/or State Endangered Species Act (ESA);
- Occurrence in the CNPS Rare Plant Inventory (Rank 1A/1B, 2A/2B, 3, or 4); and/or
- Occurrence in the CNDDDB inventory.

Wildlife species were considered “special-status” based on one or more of the following criteria:

- Listing through the Federal and/or State ESA; and
- Designation by the State as a Species of Special Concern (SSC) or California Fully Protected (CFP) species.

Vegetation communities and habitats were considered “special-status” based on one or more of the following criteria:

- Global (G) and/or State (S) ranking of category 3 or less based on CDFW (see Section 3.2.2 below for further explanation); and
- Riparian habitat.

## **2.2 Botanical Resources**

A site-specific survey program was designed to accurately document the botanical resources within the Project site, and consisted of five components: (1) a literature search; (2) preparation of a list of target special-status plant species and sensitive vegetation communities that could occur within the Project site; (3) general biological surveys; (4) vegetation mapping; and (5) habitat assessments for special-status plants.

### **2.2.1 Literature Search**

Prior to conducting fieldwork, pertinent literature on the flora of the region was examined. A thorough archival review was conducted using available literature and other historical records. These resources included the following:

- CNPS *Inventory of Rare and Endangered Plants of California* (eighth edition). Rare Plant Advisory Committee, David Tibor, Convening Editor, California Native Plant Society. Sacramento, CA x + 388pp; (CNPS 2010); and
- CNDDDB for the USGS 7.5’ quadrangles: Sunnymead and surrounding quadrangles (CNDDDB 2014).

### **2.2.2 Vegetation Mapping**

Vegetation communities within the Project site were mapped according to the List of Vegetation Alliances and Associations (or Natural Communities List). The list is based on A Manual of California Vegetation, Second Edition or MCVII, which is the California expression of the National Vegetation Classification. Where necessary, deviations were made when areas did not fit into exact habitat descriptions. These vegetation communities were named based on the dominant plant species present. Plant communities were mapped in the field directly onto a 200-scale (1”=200’) aerial photograph. A vegetation map is included as Exhibit 4. Representative site photographs are included as Exhibit 5.

### **2.2.3 Special-Status Plant Species and Habitats Evaluated for the Project Site**

A literature search was conducted to obtain a list of special status plants with the potential to occur within the Project site. The CNDDDB was initially consulted to determine well-known occurrences of plants and habitats of special concern in the region. Other sources used to

develop a list of target species for the survey program included the CNPS online inventory (2010).

Based on this information, vegetation profiles and a list of sensitive plant species that could occur within the Project site were developed and incorporated into a mapping and survey program to achieve the following goals: (1) characterize the vegetation associations and land use; (2) identify the potential for any special status plants that may occur within the Project site; and (3) prepare a map showing the distribution of any sensitive botanical resources associated with the Project site, if applicable.

The Project site is not located within the MSHCP Narrow Endemic Plant Species Survey Area (NEPSSA) or Criteria Area Plant Species Survey Area (CAPSSA). As such, focused plant surveys are not required pursuant to the MSHCP.

## **2.3 Wildlife Resources**

Wildlife species were evaluated and detected during field surveys by sight, call, tracks, and scat. Site reconnaissance was conducted in such a manner as to allow inspection of the entire Project Site by direct observation, including the use of binoculars. Observations of physical evidence and direct sightings of wildlife were recorded in field notes during the visit. Scientific nomenclature and common names for vertebrate species referred to in this report follow the Complete List of Amphibian, Reptile, Bird, and Mammal Species in California (CDFG 2008), Standard Common and Scientific Names for North American Amphibians, Turtles, Reptiles, and Crocodylians 6<sup>th</sup> Edition, Collins and Taggart (2009) for amphibians and reptiles, and the American Ornithologists' Union Checklist 7<sup>th</sup> Edition (2009) for birds. The methodology (including any applicable survey protocols) utilized to conduct general surveys, habitat assessments, and/or focused surveys for special-status animals are included below.

### **2.3.1 General Surveys**

#### ***Birds***

During the general biological and reconnaissance survey within the Project site, birds were identified incidentally within each habitat type. Birds were detected by both direct observation and by vocalizations, and were recorded in field notes.

#### ***Mammals***

During general biological and reconnaissance survey within the Project site, mammals were identified incidentally within each habitat type. Mammals were detected both by direct observations and by the presence of diagnostic sign (i.e., tracks, burrows, scat, etc.).

#### ***Reptiles and Amphibians***

During general biological and reconnaissance surveys within the Project site, reptiles and amphibians were identified incidentally during surveys within each habitat type. Habitats were

examined for diagnostic reptile sign, which include shed skins, scat, tracks, snake prints, and lizard tail drag marks. All reptiles and amphibian species observed, as well as diagnostic sign, were recorded in field notes.

### **2.3.2 Special-Status Animal Species Evaluated for the Project Site**

A literature search was conducted in order to obtain a list of special-status wildlife species with the potential to occur within the Project site. Species were evaluated based on two factors, including: 1) species identified by the CNDDDB as occurring (either currently or historically) on or in the vicinity of the Project site, and 2) any other special-status animals that are known to occur within the vicinity of the Project site, or for which potentially suitable habitat occurs on the Project site.

### **2.3.3 Habitat Assessment for Special Status Animal Species**

GLA biologist David Moskovitz conducted habitat assessments for special-status animal species on August 21, 2014. An aerial photograph, soil map and/or topographic map were used to determine the community types and other physical features that may support special-status and uncommon taxa within the Project site.

### **2.3.4 Focused Burrowing Owl Surveys**

The Project site is located within the MSHCP burrowing owl survey area. GLA biologists David Moskovitz and David Smith conducted focused surveys for the burrowing owl for all suitable habitat areas within the Project site. Surveys were conducted in accordance with survey guidelines described in the 2006 MSHCP Burrowing Owl Survey Instructions. The guidelines stipulate that four focused survey visits should be conducted between March 1 and August 31. Within areas of suitable habitat, the MSHCP first requires a focused burrow survey to map all suitable burrows. The focused burrow survey was conducted on August 21, 2014. Focused burrowing owl surveys were conducted on August 27, 28, and 29, 2014. Weather conditions during the surveys were conducive to a high level of bird activity.

Surveys were conducted by walking meandering transects throughout areas of suitable habitat. Transects were spaced no more than 30 meters apart, adjusting for vegetation height and density, in order to provide adequate visual coverage of the survey areas. At the start of each transect, and at least every 100 meters along transects, the survey area was scanned for burrowing owls using binoculars. All suitable burrows were inspected for diagnostic owl sign (e.g., pellets, prey remains, whitewash, feathers, bones, and/or decoration) in order to identify potentially occupied burrows. Exhibit 6 provides locations of suitable burrows mapped during the transect surveys. Table 2-2 summarizes the burrowing owl survey visits. The results of the burrowing owl surveys are documented in Section 4.0 of this report.



**Table 2-2. Summary of Burrowing Owl Surveys**

Survey Date	Biologist	Start/End Time	Start/End Temperature	Start/End Wind Speed (mph)	Cloud Cover
8/21/14	DM	7:05/10:30	66/73	0-2	40%/20%
8/27/14	DS	6:00/7:15	60/66	0-2	Clear
8/28/14	DS	6:05/7:15	60/69	0-2	20%/Clear
8/29/14	DM	7:10/10:00	62/82	0-2	Clear

DM = David Moskovitz, DS = David Smith

## 2.4 Jurisdictional Delineation

Prior to beginning the field delineation a 200-scale color aerial photograph and the previously cited USGS topographic maps were examined to determine the locations of potential areas of Corps/CDFW jurisdiction. Suspected jurisdictional areas were field checked for the presence of definable channels and/or wetland vegetation, soils and hydrology. Potential wetland habitats at the subject site were evaluated using the methodology set forth in the U.S. Army Corps of Engineers 1987 Wetland Delineation Manual<sup>1</sup> (Wetland Manual) and the 2008 Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Supplement (Arid West Supplement)<sup>2</sup>. The presence of an Ordinary High Water Mark (OHWM) was determined using the 2008 Field Guide to Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States<sup>3</sup> in conjunction with the Updated Datasheet for the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States.<sup>4</sup> While in the field the limits of the OHWM, wetlands, and CDFW jurisdiction were recorded using GPS technology and/or on copies of the aerial photography. Other data were recorded onto the appropriate datasheets.

## 2.5 MSHCP Riparian/Riverine Areas and Vernal Pools

GLA surveyed the site for riparian/riverine areas and vernal pool/seasonal pool habitat. *Volume I, Section 6.1.2* of the MSHCP describes the process through which protection of riparian/riverine areas and vernal pools would occur within the MSCHP Plan Area. The purpose is to ensure that the biological functions and values of these areas throughout the MSHCP Plan Area are maintained such that habitat values for species inside the MSCHP Conservation Area

<sup>1</sup> Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual, Technical Report Y-87-1, U.S. Army Engineer Waterways Experimental Station, Vicksburg, Mississippi.

<sup>2</sup> U.S. Army Corps of Engineers. 2008. Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Arid West Supplement (Version 2.0). Ed. J.S. Wakeley, R.W. Lichvar, and C.V. Noble. ERDC/EL TR-06-16. Vicksburg, MS: U.S. Army Engineer Research and Development Center.

<sup>3</sup> Lichvar, R. W., and S. M. McColley. 2008. A Field Guide to the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States. ERDC/CRREL TR-08-12. Hanover, NH: U.S. Army Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory. (<http://www.crrel.usace.army.mil/library/technicalreports/ERDC-CRREL-TR-08-12.pdf>).

<sup>4</sup> Curtis, Katherine E. and Robert Lichevar. 2010. Updated Datasheet for the Identification of the Ordinary High Water Mark (OHWM) in the Arid West Region of the Western United States. ERDC/CRREL TN-10-1. Hanover, NH: U.S. Army Engineer Research and Development Center, Cold Regions Research and Engineering Laboratory.

are maintained. The MSHCP requires that as projects are proposed within the overall Plan Area, the effect of those projects on riparian/riverine areas and vernal pools must be addressed.

The MSHCP defines riparian/riverine areas as *lands which contain Habitat dominated by trees, shrubs, persistent emergent mosses and lichens, which occur close to or which depend upon soils moisture from a nearby fresh water source; or areas with fresh water flow during all or a portion of the year.*

The MSHCP defines vernal pools as *seasonal wetlands that occur in depression areas that have wetlands indicators of all three parameters (soils, vegetation, and hydrology) during the wetter portion of the growing season but normally lack wetland indicators of hydrology and/or vegetation during the drier portion of the growing season.*

With the exception of wetlands created for the purpose of providing wetlands Habitat or resulting from human actions to create open waters or from the alteration of natural stream courses, areas demonstrating characteristics as described above which are artificially created are not included in these definitions.

### 3.0 REGULATORY SETTING

The proposed Project is subject to state and federal regulations associated with a number of regulatory programs. These programs often overlap and were developed to protect natural resources, including: state- and federally listed plants and animals; aquatic resources including rivers and creeks, ephemeral streambeds, wetlands, and areas of riparian habitat; other special-status species which are not listed as threatened or endangered by the state or federal governments; and other special-status vegetation communities.

#### 3.1 State and/or Federally Listed Plants or Animals

##### 3.1.1 State of California Endangered Species Act

California's Endangered Species Act (CESA) defines an endangered species as "a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant which is in serious danger of becoming extinct throughout all, or a significant portion, of its range due to one or more causes, including loss of habitat, change in habitat, overexploitation, predation, competition, or disease." The State defines a threatened species as "a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that, although not presently threatened with extinction, is likely to become an Endangered species in the foreseeable future in the absence of the special protection and management efforts required by this chapter. Any animal determined by the commission as rare on or before January 1, 1985 is a threatened species." Candidate species are defined as "a native species or subspecies of a bird, mammal, fish, amphibian, reptile, or plant that the commission has formally noticed as being under review by the department for addition to either the list of endangered species or the list of threatened species, or a species for which the commission has published a notice of proposed regulation to add the species to either list." Candidate species may be afforded temporary protection as though they were already listed as threatened or endangered at the discretion of the Fish and Game Commission. Unlike the Federal Endangered Species Act (FESA), CESA does not list invertebrate species.

Article 3, Sections 2080 through 2085, of the CESA addresses the taking of threatened, endangered, or candidate species by stating "No person shall import into this state, export out of this state, or take, possess, purchase, or sell within this state, any species, or any part or product thereof, that the commission determines to be an endangered species or a threatened species, or attempt any of those acts, except as otherwise provided." Under the CESA, "take" is defined as "hunt, pursue, catch, capture, or kill, or attempt to hunt, pursue, catch, capture, or kill." Exceptions authorized by the state to allow "take" require permits or memoranda of understanding and can be authorized for endangered species, threatened species, or candidate species for scientific, educational, or management purposes and for take incidental to otherwise lawful activities. Sections 1901 and 1913 of the California Fish and Game Code provide that notification is required prior to disturbance.

##### 3.1.2 Federal Endangered Species Act

The FESA of 1973 defines an endangered species as "any species that is in danger of extinction throughout all or a significant portion of its range." A threatened species is defined as "any

species that is likely to become an Endangered species within the foreseeable future throughout all or a significant portion of its range.” Under provisions of Section 9(a)(1)(B) of the FESA it is unlawful to “take” any listed species. “Take” is defined in Section 3(18) of FESA: “...harass, harm, pursue, hunt, shoot, wound, kill, trap, capture, or collect, or to attempt to engage in any such conduct.” Further, the USFWS, through regulation, has interpreted the terms “harm” and “harass” to include certain types of habitat modification that result in injury to, or death of species as forms of “take.” These interpretations, however, are generally considered and applied on a case-by-case basis and often vary from species to species. In a case where a property owner seeks permission from a Federal agency for an action that could affect a federally listed plant and animal species, the property owner and agency are required to consult with USFWS. Section 9(a)(2)(b) of the FESA addresses the protections afforded to listed plants.

### 3.1.3 State and Federal Take Authorizations for Listed Species

Federal or state authorizations of impacts to or incidental take of a listed species by a private individual or other private entity would be granted in one of the following ways:

- Section 7 of the FESA stipulates that any federal action that may affect a species listed as threatened or endangered requires a formal consultation with USFWS to ensure that the action is not likely to jeopardize the continued existence of the listed species or result in destruction or adverse modification of designated critical habitat. 16 U.S.C. 1536(a)(2).
- In 1982, the FESA was amended to give private landowners the ability to develop Habitat Conservation Plans (HCP) pursuant to Section 10(a) of the FESA. Upon development of an HCP, the USFWS can issue incidental take permits for listed species where the HCP specifies at minimum, the following: (1) the level of impact that will result from the taking, (2) steps that will minimize and mitigate the impacts, (3) funding necessary to implement the plan, (4) alternative actions to the taking considered by the applicant and the reasons why such alternatives were not chosen, and (5) such other measures that the Secretary of the Interior may require as being necessary or appropriate for the plan.
- Sections 2090-2097 of the CESA require that the state lead agency consult with CDFW on projects with potential impacts on state-listed species. These provisions also require CDFW to coordinate consultations with USFWS for actions involving federally listed as well as state-listed species. In certain circumstances, Section 2080.1 of the California Fish and Game Code allows CDFW to adopt the federal incidental take statement or the 10(a) permit as its own based on its findings that the federal permit adequately protects the species under state law.

### 3.1.4 Take Authorizations Pursuant to the MSHCP

The Western Riverside County MSHCP was adopted on June 17, 2003, and an Implementing Agreement (IA) was executed between the Federal and State Wildlife Agencies (USFWS and CDFW) and participating entities. The MSHCP is a comprehensive habitat conservation-planning program for western Riverside County. The intent of the MSHCP is to preserve native vegetation and meet the habitat needs of multiple species, rather than focusing preservation efforts on one species at a time. As such, the MSHCP is intended to streamline review of individual projects with respect to the species and habitats addressed in the MSHCP, and to provide for an overall

Conservation Area that would be of greater benefit to biological resources than would result from a piecemeal regulatory approach. The MSHCP provides coverage (including take authorization for listed species) for special-status plant and animal species, as well as mitigation for impacts to sensitive species.

Through agreements with the U.S. Fish and Wildlife Service (USFWS) and the California Department of Fish and Wildlife (CDFW), the MSHCP designates 146 special-status animal and plant species that receive some level of coverage under the plan. Of the 146 “Covered Species” designated under the MSHCP, the majority of these species have no additional survey/conservation requirements. In addition, through project participation with the MSHCP, the MSHCP provides mitigation for project-specific impacts to Covered Species so that the impacts would be reduced to below a level of significance pursuant to CEQA. As noted above, project-specific survey requirements exist for species designated as “Covered Species not yet adequately conserved”. These include Narrow Endemic Plant Species, as identified by the Narrow Endemic Plant Species Survey Areas (NEPSSA); Criteria Area Plant Species identified by the Criteria Area Species Survey Areas (CASSA); animals species as identified by survey area; and plant and animal species associated with riparian/riverine areas and vernal pool habitats (*Volume I, Section 6.1.2* of the MSHCP document).

### **3.2 California Environmental Quality Act**

#### **3.2.1 CEQA Guidelines Section 15380**

CEQA requires evaluation of a project’s impacts on biological resources and provides guidelines and thresholds for use by lead agencies for evaluating the significance of proposed impacts. Sections 5.1.1 and 5.2.2 below set forth these thresholds and guidelines. Furthermore, pursuant to the CEQA Guidelines Section 15380, CEQA provides protection for non-listed species that could potentially meet the criteria for state listing. For plants, CDFW recognizes that plants on Lists 1A, 1B, or 2 of the CNPS *Inventory of Rare and Endangered Plants in California* may meet the criteria for listing and should be considered under CEQA. CDFW also recommends protection of plants, which are regionally important, such as locally rare species, disjunct populations of more common plants, or plants on the CNPS Lists 3 or 4.

#### **3.2.2 Non-Listed Special-Status Plants, Wildlife and Vegetation Communities Evaluated Under CEQA**

##### ***Federally Designated Special-Status Species***

Within recent years, the USFWS instituted changes in the listing status of candidate species. Former C1 (candidate) species are now referred to simply as candidate species and represent the only candidates for listing. Former C2 species (for which the USFWS had insufficient evidence to warrant listing) and C3 species (either extinct, no longer a valid taxon or more abundant than was formerly believed) are no longer considered as candidate species. Therefore, these species are no longer maintained in list form by the USFWS, nor are they formally protected. This term is employed in this document, but carries no official protections. All references to federally protected species in this report (whether listed, proposed for listing, or candidate) include the

most current published status or candidate category to which each species has been assigned by USFWS.

For this report the following acronyms are used for federal special-status species:

- FE                Federally listed as Endangered
- FT                Federally listed as Threatened
- FPE              Federally proposed for listing as Endangered
- FPT              Federally proposed for listing as Threatened
- FC                Federal Candidate Species (former C1 species)
- FSC              Federal Species of Concern (former C2 species)

### *State-Designated Special-Status Species*

Some mammals and birds are protected by the state as Fully Protected (SFP) Mammals or Fully Protected Birds, as described in the California Fish and Game Code, Sections 4700 and 3511, respectively. California SSC are designated as vulnerable to extinction due to declining population levels, limited ranges, and/or continuing threats. This list is primarily a working document for the CDFW's CNDDDB project. Informally listed taxa are not protected, but warrant consideration in the preparation of biotic assessments. For some species, the CNDDDB is only concerned with specific portions of the life history, such as roosts, rookeries, or nest sites.

For this report the following acronyms are used for State special-status species:

- SE                State-listed as Endangered
- ST                State-listed as Threatened
- SR                State-listed as Rare
- SCE              State Candidate for listing as Endangered
- SCT              State Candidate for listing as Threatened
- SFP              State Fully Protected
- SP                State Protected
- SSC              State Species of Special Concern

### *CNDDDB Global/State Rankings*

The CNDDDB provides global and state rankings for species and communities based on a system developed by The Nature Conservancy to measure rarity of a species. The ranking provides a shorthand formula about how rare a species/community is, and is based on the best information available from multiple sources, including state and federal listings, and other groups that recognize species as sensitive (e.g., Bureau of Land Management, Audubon Society, etc.). State and global rankings are used to prioritize conservation and protection efforts so that the rarest species/communities receive immediate attention. In both cases, the lower ranking (i.e., G1 or S1) indicates extreme rarity. Rare species are given a ranking from 1 to 3. Species with a ranking of 4 or 5 is considered to be common. If the exact global/state ranking is undetermined, a range is generally provided. For example, a global ranking of "G1G3" indicates that a species/community global rarity is between G1 and G3. If the animal being considered is a



subspecies of a broader species, a “T” ranking is attached to the global ranking. The following are descriptions of global and state rankings:

### ***Global Rankings***

- G1 – Critically imperiled globally because of extreme rarity (5 or fewer occurrences), or because of some factor(s) making it especially vulnerable to extinction.
- G2 – Imperiled globally because of rarity (6-20 occurrences), or because of some other factor(s) making it very vulnerable to extinction throughout its range.
- G3 – Either very rare and local throughout its range (21 to 100 occurrences), or found locally (even abundantly at some of its locations) in a restricted range (e.g., a physiographic region), or because of some other factor(s) making it vulnerable to extinction throughout its range.
- G4 – Uncommon but not rare; some cause for long-term concern due to declines or other factors.
- G5 – Common, widespread and abundant.

### ***State Rankings***

- S1 – Extremely rare; typically 5 or fewer known occurrences in the state; or only a few remaining individuals; may be especially vulnerable to extirpation.
- S2 – Very rare; typically between 6 and 20 known occurrences; may be susceptible to becoming extirpated.
- S3 – Rare to uncommon; typically 21 to 50 known occurrences; S3 ranked species are not yet susceptible to becoming extirpated in the state but may be if additional populations are destroyed.
- S4 - Uncommon but not rare; some cause for long-term concern due to declines or other factors.
- S5 - Common, widespread, and abundant in the state.

### ***California Native Plant Society***

The CNPS is a private plant conservation organization dedicated to the monitoring and protection of sensitive species in California. The CNPS’s Eighth Edition of the *California Native Plant Society’s Inventory of Rare and Endangered Plants of California* separates plants of interest into five ranks. CNPS has compiled an inventory comprised of the information focusing on geographic distribution and qualitative characterization of Rare, Threatened, or Endangered vascular plant species of California. The list serves as the candidate list for listing as threatened and endangered by CDFW. CNPS has developed five categories of rarity that are summarized in Table 3-1.

**Table 3-1. CNPS Ranks 1, 2, 3, & 4, and Threat Code Extensions**

<b>CNPS Rank</b>	<b>Comments</b>
Rank 1A – Presumed Extinct in California	Thought to be extinct in California based on a lack of observation or detection for many years.
Rank 1B – Rare or Endangered in California and Elsewhere	Species, which are generally rare throughout their range that are also judged to be vulnerable to other threats such as declining habitat.
Rank 2A – Presumed Extinct in California, More Common Elsewhere	Species that are presumed extinct in California but more common outside of California
Rank 2B - Rare or Endangered in California, More Common Elsewhere	Species that are rare in California but more common outside of California
Rank 3 – Need More Information	Species that are thought to be rare or in decline but CNPS lacks the information needed to assign to the appropriate list. In most instances, the extent of surveys for these species is not sufficient to allow CNPS to accurately assess whether these species should be assigned to a specific rank. In addition, many of the Rank 3 species have associated taxonomic problems such that the validity of their current taxonomy is unclear.
Rank 4 – Plants of Limited Distribution	Species that are currently thought to be limited in distribution or range whose vulnerability or susceptibility to threat is currently low. In some cases, as noted above for Rank 3 species, CNPS lacks survey data to accurately determine status in California. Many species have been placed on Rank 4 in previous editions of the “Inventory” and have been removed as survey data has indicated that the species are more common than previously thought. CNPS recommends that species currently included on this list should be monitored to ensure that future substantial declines are minimized.
<b>Extension</b>	<b>Comments</b>
.1 – Seriously endangered in California	Species with over 80% of occurrences threatened and/or have a high degree and immediacy of threat.
.2 – Fairly endangered in California	Species with 20-80% of occurrences threatened.
.3 – Not very endangered in California	Species with <20% of occurrences threatened or with no current threats known.

### 3.3 Jurisdictional Waters

#### 3.3.1 Army Corps of Engineers

Pursuant to Section 404 of the Clean Water Act, the Corps regulates the discharge of dredged and/or fill material into waters of the United States. The term "waters of the United States" is defined in Corps regulations at 33 CFR Part 328.3(a) as:

- (1) *All waters which are currently used, or were used in the past, or may be susceptible to use in interstate or foreign commerce, including all waters which are subject to the ebb and flow of the tide;*
- (2) *All interstate waters including interstate wetlands;*

- (3) *All other waters such as intrastate lakes, rivers, streams (including intermittent streams), mudflats, sandflats, wetlands, sloughs, prairie potholes, wet meadows, playa lakes, or natural ponds, the use, degradation or destruction of which could affect foreign commerce including any such waters:*
- (i) *Which are or could be used by interstate or foreign travelers for recreational or other purposes; or*
  - (ii) *From which fish or shell fish are or could be taken and sold in interstate or foreign commerce; or*
  - (iii) *Which are used or could be used for industrial purpose by industries in interstate commerce;*
- (4) *All impoundments of waters otherwise defined as waters of the United States under the definition;*
- (5) *Tributaries of waters identified in paragraphs (a) (1)-(4) of this section;*
- (6) *The territorial seas;*
- (7) *Wetlands adjacent to waters (other than waters that are themselves wetlands) identified in paragraphs (a) (1)-(6) of this section.*

Waste treatment systems, including treatment ponds or lagoons designed to meet the requirements of CWA (other than cooling ponds as defined in 40 CFR 123.11(m) which also meet the criteria of this definition) are not waters of the United States.

- (8) *Waters of the United States do not include prior converted cropland.<sup>5</sup>*

Notwithstanding the determination of an area's status as prior converted cropland by any other federal agency, for the purposes of the Clean Water Act, the final authority regarding Clean Water Act jurisdiction remains with the EPA.

In the absence of wetlands, the limits of Corps jurisdiction in non-tidal waters, such as intermittent streams, extend to the OHWM which is defined at 33 CFR 328.3(e) as:

*...that line on the shore established by the fluctuation of water and indicated by physical characteristics such as clear, natural line impressed on the bank, shelving, changes in the character of soil, destruction of terrestrial vegetation, the presence of litter and debris, or other appropriate means that consider the characteristics of the surrounding areas.*

The term “wetlands” (a subset of “waters of the United States”) is defined at 33 CFR 328.3(b) as “those areas that are inundated or saturated by surface or ground water at a frequency and duration sufficient to support...a prevalence of vegetation typically adapted for life in saturated soil conditions.” In 1987 the Corps published a manual to guide its field personnel in determining jurisdictional wetland boundaries. The methodology set forth in the 1987 Wetland

<sup>5</sup> The term “prior converted cropland” is defined in the Corps’ Regulatory Guidance Letter 90-7 (dated September 26, 1990) as “wetlands which were both manipulated (drained or otherwise physically altered to remove excess water from the land) and cropped before 23 December 1985, to the extent that they no longer exhibit important wetland values. Specifically, prior converted cropland is inundated for no more than 14 consecutive days during the growing season....” [Emphasis added.]

Delineation Manual and the Arid West Supplement generally require that, in order to be considered a wetland, the vegetation, soils, and hydrology of an area exhibit at least minimal hydric characteristics. While the manual and Supplement provide great detail in methodology and allow for varying special conditions, a wetland should normally meet each of the following three criteria:

- more than 50 percent of the dominant plant species at the site must be typical of wetlands (i.e., rated as facultative or wetter in the National List of Plant Species that Occur in Wetlands<sup>6</sup>);
- soils must exhibit physical and/or chemical characteristics indicative of permanent or periodic saturation (e.g., a gleyed color, or mottles with a matrix of low chroma indicating a relatively consistent fluctuation between aerobic and anaerobic conditions); and
- Whereas the 1987 Manual requires that hydrologic characteristics indicate that the ground is saturated to within 12 inches of the surface for at least five percent of the growing season during a normal rainfall year, the Arid West Supplement does not include a quantitative criteria with the exception for areas with “problematic hydrophytic vegetation”, which require a minimum of 14 days of ponding to be considered a wetland.

On January 9, 2001 and June 5, 2007 the Supreme Court of the United States issued two rulings (*Solid Waste Agency of Northern Cook County v. United States Army Corps of Engineers, et al [SWANCC]*. and *Rapanos v. United States and Carabell v. United States [Rapanos]*, respectively). *The first case reiterated that “isolated” waters (those with no interstate commerce connection) are not subject to federal jurisdiction under Section 404 of the Clean Water Act. The second case determined (in a plurality vote) that a water must have a nexus with a “traditionally navigable water (an undefined term) to be subject to federal jurisdiction under Section 404 of the Clean Water Act. The Corps and EPA continue to grapple with providing clear guidance on these two decisions and continue to propose and/or issue guidance. In the meantime, applicants who believe they have waters that would be exempt from federal jurisdiction pursuant to these two rulings must go through a formal process with the Corps and EPA to obtain concurrence.*

### 3.3.2 Regional Water Quality Control Board

Section 401 of the Clean Water Act requires any applicant for a Section 404 permit to obtain certification from the State that the discharge (and the operation of the facility being constructed) will comply with the applicable effluent limitation and water quality standards. In California this 401 certification is obtained from the Regional Water Quality Control Board. The Corps, by law, cannot issue a Section 404 permit until a 401 certification is issued or waived.

Subsequent to the SWANCC decision, the Chief Counsel for the State Water Resources Control Board issued a memorandum that addressed the effects of the SWANCC decision on the Section

<sup>6</sup> Lichvar, R. W. 2013. *The National Wetland Plant List: 2013 wetland ratings*. Phytoneuron 2013-49: 1-241.

401 Water Quality Certification Program.<sup>7</sup> The memorandum stating that for waters that are no longer considered subject to federal jurisdiction pursuant to Section 404 of the Clean Water Act, but which remain “waters of the state”, the State will continue to regulate discharges under the Porter-Cologne Act. In such cases the applicant must apply for and obtain a Waste Discharge Requirement from the Regional Board.

### 3.3.3 California Department of Fish and Wildlife

Pursuant to Division 2, Chapter 6, Sections 1600-1603 of the California Fish and Game Code, the CDFW regulates all diversions, obstructions, or changes to the natural flow or bed, channel, or bank of any river, stream, or lake, which supports fish or wildlife.

CDFW defines a "stream" (including creeks and rivers) as "a body of water that flows at least periodically or intermittently through a bed or channel having banks and supports fish or other aquatic life. This includes watercourses having surface or subsurface flow that supports or has supported riparian vegetation." CDFW's definition of "lake" includes "natural lakes or man-made reservoirs."

CDFW jurisdiction within altered or artificial waterways is based upon the value of those waterways to fish and wildlife. CDFW Legal Advisor has prepared the following opinion<sup>8</sup>:

- Natural waterways that have been subsequently modified and which have the potential to contain fish, aquatic insects and riparian vegetation will be treated like natural waterways...
- Artificial waterways that have acquired the physical attributes of natural stream courses and which have been viewed by the community as natural stream courses, should be treated by [CDFW] as natural waterways...
- Artificial waterways without the attributes of natural waterways should generally not be subject to Fish and Game Code provisions...

Thus, CDFW jurisdictional limits closely mirror those of the Corps. Exceptions are CDFW's addition of artificial stock ponds and irrigation ditches constructed on uplands, and the addition of riparian habitat supported by a river, stream, or lake regardless of the riparian area's federal wetland status.

<sup>7</sup> Wilson, Craig M. January 25, 2001. Memorandum addressed to State Board Members and Regional Board Executive Officers.

<sup>8</sup> California Department of Fish and Game. Environmental Services Division (ESD). 1994. A Field Guide to Lake and Streambed Alteration Agreements, Sections 1600-1607, California Fish and Game Code.

## 4.0 RESULTS

This section provides the results of general biological surveys, vegetation mapping, habitat assessments for special-status plants and animals, focused burrowing owl surveys, an assessment for MSHCP riparian/riverine areas and vernal pools, and an assessment for Waters of the United States (including wetlands) subject to the jurisdiction of the Corps and Regional Board, and streams (including riparian vegetation) and lakes subject to the jurisdiction of CDFW.

### 4.1 Existing Conditions

The Project site consists of a flat, undeveloped parcel that has been heavily disturbed through past and ongoing activities, including disking. The majority of the site is dominated by plants associated with ruderal areas. The dominant plant at the site is Russian thistle (*Salsola tragus*). Additional plant species detected onsite include tumbling pigweed (*Amaranthus albus*), puncture vine (*Tribulus terrestris*), vinegar weed (*Trichostema lanceolatum*), telegraph weed (*Heterotheca grandiflora*), annual bur-sage (*Ambrosia acanthicarpa*), lamb's quarters (*Chenopodium album*), and common sunflower (*Helianthus annuus*).

Wildlife detected during the surveys included birds such as mourning dove (*Zenaida macroura*), rock dove (*Columbia livia*), American crow (*Corvus brachyrhynchos*), American kestrel (*Falco sparverius*), California horned lark (*Eremophila alpestris actia*), house finch (*Carpodacus mexicanus*), European starling (*Sturnus vulgaris*), Brewer's blackbird (*Euphagus cyanocephalus*), lark sparrow (*Chondestes grammacus*), killdeer (*Charadrius vociferus*), barn swallow (*Hirundo rustica*), cliff swallow (*Petrochelidon pyrrhonota*), red-tailed hawk (*Buteo jamaicensis*), western kingbird (*Tyrannus verticalis*), and black phoebe (*Sayornis nigricans*). Mammals observed at the Project site included coyote (*Canis latrans*) and Audubon's cottontail (*Sylvilagus audubonii*).

### 4.2 Vegetation Mapping

The entire Project site is disturbed by past and ongoing activities, including disking. The majority of the site supports plant species typical of ruderal areas. A Vegetation Map is attached as Exhibit 4. Photographs depicting the various vegetation types and land uses are attached as Exhibit 5.

### 4.3 Special-Status Habitats

The CNDDDB identifies the following special-status vegetation communities for the Sunnymead and surrounding quadrangle maps: Southern Coast Live Oak Riparian Forest, Southern Cottonwood Willow Riparian Forest, Southern Sycamore Alder Riparian Woodland, and Southern Riparian Scrub. The Project site does not contain any special-status vegetation types, including those identified by the CNDDDB.

### 4.4 Special-Status Plants

No special-status plants were detected at the Project site, and in general no special-status plants are expected to occur due to the lack of suitable habitat. Table 4-1 provides a list of special-



status plants evaluated for the Project site through general biological surveys and habitat assessments. Species were evaluated based the following factors: 1) species identified by the CNDDDB and CNPS as occurring (either currently or historically) on or in the vicinity of the Project site, 2) applicable MSHCP survey areas, and 3) any other special-status plants that are known to occur within the vicinity of the Project site, or for which potentially suitable habitat occurs within the site.

**Table 4-1. Special-Status Plants Evaluated for the Project Site**

<b><u>Status</u></b>	
<b>Federal</b>	<b>State</b>
FE – Federally Endangered	SE – State Endangered
FT – Federally Threatened	ST – State Threatened
FC – Federal Candidate	
<b>CNPS</b>	
Rank 1B – Plants rare, threatened, or endangered in California and elsewhere.	
Rank 2A – Plants rare, threatened, or endangered in California, but more common elsewhere.	
Rank 2B – Plants rare, threatened, or endangered in California, but more common elsewhere.	
Rank 3 – Plants about which more information is needed.	
Rank 4 – Plants of limited distribution (a watch list).	
<b>Threat Code extension</b>	
.1 – Seriously endangered in California (over 80% occurrences threatened)	
.2 – Fairly endangered in California (20-80% occurrences threatened)	
.3 – Not very endangered in California (<20% of occurrences threatened or no current threats known)	
<b><u>Occurrence</u></b>	
<ul style="list-style-type: none"> <li>• Does not occur – The site does not contain habitat for the species and/or the site does not occur within the geographic range of the species.</li> <li>• Absent – The site contains suitable habitat for the species, but the species has been confirmed absent through focused surveys.</li> <li>• Not expected to occur – The species is not expected to occur onsite due to low habitat quality, however absence cannot be ruled out.</li> <li>• Potential to occur – The species has a potential to occur onsite based on suitable habitat, however its presence/absence could not be confirmed.</li> <li>• Present – The species was detected onsite incidentally or through focused surveys.</li> </ul>	

<b>Species Name</b>	<b>Status</b>	<b>Habitat Requirements</b>	<b>Occurrence</b>
California screw-moss <i>Tortula californica</i>	Federal: None State: None CNPS: List 1B.2	Sandy soil in chenopod scrub, and valley and foothill grassland.	Does not occur.
California Orcutt grass <i>Orcuttia californica</i>	Federal: FE State: SE CNPS: List 1B	Vernal pools	Does not occur.

<b>Species Name</b>	<b>Status</b>	<b>Habitat Requirements</b>	<b>Occurrence</b>
Chaparral sand verbena <i>Abronia villosa</i> var. <i>aurita</i>	Federal: None State: None CNPS: List 1B.1	Sandy soils in chaparral, coastal sage scrub.	Does not occur.
Coulter's goldfields <i>Lasthenia glabrata</i> ssp. <i>coulteri</i>	Federal: None State: None CNPS: List 1B.1	Playas, vernal pools, marshes and swamps (coastal salt).	Does not occur.
Coulter's saltbush <i>Atriplex coulteri</i>	Federal: None State: None CNPS: List 1B.2	Coastal bluff scrub, coastal dunes, coastal sage scrub, valley and foothill grassland. Occurring on alkaline or clay soils.	Does not occur.
Davidson's saltscale <i>Atriplex serenana</i> var. <i>davidsonii</i>	Federal: None State: None CNPS: List 1B	Alkaline soils in coastal sage scrub, coastal bluff scrub.	Does not occur.
Jaeger's milk-vetch <i>Astragalus pachypus</i> var. <i>jaegeri</i>	Federal: None State: None CNPS: List 1B.1	Sandy or rocky soils in chaparral, cismontane woodland, coastal scrub, and valley and foothill grassland.	Does not occur.
Little mousetail <i>Myosurus minimus</i> ssp. <i>apus</i>	Federal: SOC State: None CNPS: List 3	Valley and foothill grassland, vernal pools (alkaline soils).	Does not occur.
Long-spined spineflower <i>Chorizanthe polygonoides</i> var. <i>longispina</i>	Federal: None State: None CNPS: List 1B.2	Clay soils in chaparral, coastal sage scrub, meadows and seeps, and valley and foothill grasslands	Does not occur.
Many-stemmed dudleya <i>Dudleya multicaulis</i>	Federal: None State: None CNPS: List 1B.2	Chaparral, coastal sage scrub, valley and foothill grassland. Often occurring in clay soils.	Does not occur.
Marsh sandwort <i>Arenaria paludicola</i>	Federal: FE State: SE CNPS: List 1B.1	Bogs and fens, freshwater marshes and swamps.	Does not occur.
Mud nama <i>Nama stenocarpum</i>	Federal: None State: None CNPS: List 2	Marshes and swamps	Does not occur.
Munz's onion <i>Allium munzii</i>	Federal: FE State: ST CNPS: List 1B.1	Clay soils in chaparral, coastal sage scrub, and valley and foothill grasslands	Does not occur.
Nevin's barberry <i>Berberis nevinii</i>	Federal: FE State: SE CNPS: List 1B.1	Sandy or gravelly soils in chaparral, cismontane woodland, coastal scrub, and riparian scrub.	Does not occur.
Palmer's grapplinghook <i>Harpagonella palmeri</i>	Federal: None State: None CNPS: List 4.2	Chaparral, coastal sage scrub, valley and foothill grassland. Occurring in clay soils.	Does not occur.

<b>Species Name</b>	<b>Status</b>	<b>Habitat Requirements</b>	<b>Occurrence</b>
Parish's brittle scale <i>Atriplex parishii</i>	Federal: None State: None CNPS: List 1B	Chenopod scrub, playas, vernal pools.	Does not occur.
Parry's spineflower <i>Chorizanthe parryi</i> var. <i>parryi</i>	Federal: None State: None CNPS: List 1B.1	Sandy or rocky soils in open habitats of chaparral and coastal sage scrub.	Does not occur.
Payson's jewelflower <i>Caulanthus simulans</i>	Federal: None State: None CNPS: List 4.2	Sandy or granitic soils in chaparral and coastal scrub.	Does not occur.
Plummer's mariposa lily <i>Calochortus plummerae</i>	Federal: None State: None CNPS: List 1B.2	Granitic, rock soils within chaparral, cismontane woodland, coastal sage scrub, lower montane coniferous forest, valley and foothill grassland.	Does not occur.
Prostrate navarretia <i>Navarretia prostrata</i>	Federal: None State: None CNPS: List 1B.1	Coastal sage scrub, valley and foothill grassland (alkaline), vernal pools. Occurring in mesic soils.	Does not occur.
Robinson's pepper grass <i>Lepidium virginicum</i> var. <i>robinsonii</i>	Federal: None State: None CNPS: List 1B.2	Chaparral, coastal sage scrub	Does not occur.
Round-leaved filaree <i>California macrophylla</i>	Federal: None State: None CNPS: List 1B.1	Clay soils in cismontane woodland, valley and foothill grassland	Does not occur.
Salt marsh bird's-beak <i>Chloropyron maritimum</i> ssp. <i>maritimum</i>	Federal: FE State: SE CNPS: List 1B.2	Coastal dune, coastal salt marshes and swamps.	Does not occur.
Salt spring checkerbloom <i>Sidalcea neomexicana</i>	Federal: None State: None CNPS: List 2.2	Mesic, alkaline soils in chaparral, coastal sage scrub, lower montane coniferous forest, Mojavean desert scrub, and playas.	Does not occur.
San Bernardino aster <i>Symphotrichum defoliatum</i>	Federal: None State: None CNPS: List 1B.2	Cismontane woodland, coastal scrub, lower montane coniferous forest, meadows and seeps, marshes and swamps, valley and foothill grassland (vernally mesic).	Does not occur.
San Diego ambrosia <i>Ambrosia pumila</i>	Federal: FE State: None CNPS: List 1B.1	Chaparral, coastal sage scrub, valley and foothill grassland, vernal pools. Often in disturbed habitats.	Does not occur.
San Jacinto Valley crownscale <i>Atriplex coronata</i> var. <i>notator</i>	Federal: FE State: None CNPS: List 1B	Alkaline soils in chenopod scrub, valley and foothill grassland, vernal pools.	Does not occur.

<b>Species Name</b>	<b>Status</b>	<b>Habitat Requirements</b>	<b>Occurrence</b>
Slender-horned spineflower <i>Dodecahema leptoceras</i>	Federal: FE State: SE CNPS: List 1B.1	Sandy soils in alluvial scrub, chaparral, cismontane woodland.	Does not occur.
Smooth tarplant <i>Centromadia pungens</i> ssp. <i>laevis</i>	Federal: None State: None CNPS: List 1B.1	Alkaline soils in chenopod scrub, meadows and seeps, playas, riparian woodland, valley and foothill grasslands, disturbed habitats.	Does not occur.
Thread-leaved brodiaea <i>Brodiaea filifolia</i>	Federal: FT State: SE CNPS: List 1B.1	Clay soils in chaparral (openings), cismontane woodland, coastal sage scrub, playas, valley and foothill grassland, vernal pools.	Does not occur.
Wright's trichocoronis <i>Trichocoronis wrightii</i> var. <i>wrightii</i>	Federal: None State: None CNPS: List 2	Alkaline soils in meadows and seeps, marshes and swamps, riparian scrub, vernal pools.	Does not occur.

#### 4.5 Special-Status Animals

One special-status animal (California horned lark) was detected onsite during biological surveys, although this species is covered under the MSHCP without additional survey/conservation requirements. Additional special-status animals have some potential to occur onsite, though the potential for use is limited due to the disturbed nature of the site, and the fact that the site is surrounded by development. Table 4-2 provides a list of special-status animals evaluated for the Project site through general biological surveys, habitat assessments, and focused surveys. Species were evaluated based on two factors, including: 1) species identified by the CNDDDB as occurring (either currently or historically) on or in the vicinity of the Project site, 2) applicable MSHCP survey areas, and 3) any other special-status animals that are known to occur within the vicinity of the Project site, for which potentially suitable habitat occurs on the site.

**Table 4-2. Special Status Animals Evaluated for the Project Site**

<b>Status</b>	
<b>Federal</b>	<b>State</b>
FE – Federally Endangered	SE – State Endangered
FT – Federally Threatened	ST – State Threatened
FPT – Federally Proposed Threatened	CFP – California Fully-Protected Species
FC – Federal Candidate	SSC – Species of Special Concern
<b>Western Bat Working Group (WBWG)</b>	
H – High Priority	
LM – Low-Medium Priority	
M – Medium Priority	
MH – Medium-High Priority	
<b>Occurrence</b>	
<ul style="list-style-type: none"> <li>• Does not occur – The site does not contain habitat for the species and/or the site does not occur within the geographic range of the species.</li> <li>• Absent – The site contains suitable habitat for the species, but the species has been confirmed absent through focused surveys.</li> <li>• Not expected to occur – The species is not expected to occur onsite due to low habitat quality, however absence cannot be ruled out.</li> <li>• Potential to occur – The species has a potential to occur onsite based on suitable habitat, however its presence/absence could not be confirmed.</li> <li>• Present – The species was detected onsite incidentally or through focused surveys.</li> </ul>	

Species Name	Status	Habitat Requirements	Occurrence
<b>Invertebrates</b>			
Riverside fairy shrimp <i>Streptocephalus woottoni</i>	Federal: FE State: None	Restricted to deep seasonal vernal pools, vernal pool-like ephemeral ponds, and stock ponds.	Does not occur.
Vernal pool fairy shrimp <i>Branchinecta lynchi</i>	Federal: FT State: None	Seasonal vernal pools	Does not occur.
<b>Amphibians</b>			
Western spadefoot <i>Scaphiopus hammondi</i>	Federal: None State: SSC	Seasonal pools in coastal sage scrub, chaparral, and grassland habitats.	Does not occur.
<b>Reptiles</b>			
Coast patch-nosed snake <i>Salvadora hexalepis virgulata</i>	Federal: None State: SSC	Occurs in coastal chaparral, desert scrub, washes, sandy flats, and rocky areas.	Does not occur.
Coast horned lizard <i>Phrynosoma blainvillii</i>	Federal: None State: SSC	Occurs in a variety of vegetation types including coastal sage scrub, chaparral, annual grassland, oak woodland, and riparian woodlands.	Does not occur.

Species Name	Status	Habitat Requirements	Occurrence
Coastal whiptail <i>Aspidoscelis tigris</i>	Federal: None State: None	Open, often rocky areas with little vegetation, or sunny microhabitats within shrub or grassland associations.	Potential to occur.
Northern red-diamond rattlesnake <i>Crotalus exsul</i>	Federal: None State: SSC	Habitats with heavy brush and rock outcrops, including coastal sage scrub and chaparral.	Does not occur.
Orangethroat whiptail <i>Aspidoscelis hyperythra</i>	Federal: None State: SSC	Coastal sage scrub, chaparral, non-native grassland, oak woodland, and juniper woodland.	Does not occur.
Rosy boa <i>Charina trivirgata</i>	Federal: None State: SSC	Coastal sage scrub, chaparral, or mixed habitats, commonly with rocky soils and outcrops. Also in oak woodlands and riparian areas bordering scrub habitats.	Does not occur.
San Bernardino ringneck snake <i>Diadophis punctatus modestus</i>	Federal: None State: None	Moist habitats including woodlands, forest, grasslands, chaparral, farms, and gardens.	Does not occur.
Silvery legless lizard <i>Anniella pulchra pulchra</i>	Federal: None State: SSC	Occurs primarily in areas with sandy or loose organic soil, or where there is plenty of leaf litter. Associated with coastal sage scrub, chaparral, coastal dunes, valley/foothill grasslands, oak woodlands, and pine forests.	Does not occur.
Southwestern pond turtle <i>Emys marmorata pallida</i>	Federal: None State: SSC	Slow-moving permanent or intermittent streams, small ponds and lakes, reservoirs, abandoned gravel pits, permanent and ephemeral shallow wetlands, stock ponds, and treatment lagoons. Abundant basking sites and cover necessary, including logs, rocks, submerged vegetation, and undercut banks.	Does not occur.
Two-striped garter snake <i>Thamnophis hammondi</i>	Federal: None State: SSC	Aquatic snake typically associated with wetland habitats such as streams, creeks, and pools.	Does not occur.



Species Name	Status	Habitat Requirements	Occurrence
<b>Birds</b>			
Bell's sage sparrow <i>Amphispiza belli belli</i>	Federal: FSC State: SSC	Chaparral and coastal sage scrub along the coastal lowlands, inland valleys, and in the lower foothills of local mountains.	Does not occur.
Burrowing owl <i>Athene cunicularia</i>	Federal: None State: SSC	Shortgrass prairies, grasslands, lowland scrub, agricultural lands (particularly rangelands), coastal dunes, desert floors, and some artificial, open areas as a year-long resident. Occupies abandoned ground squirrel burrows as well as artificial structures such as culverts and underpasses.	Potential to occur.
California horned lark <i>Eremophila alpestris actia</i>	Federal: None State: None	Occupies a variety of open habitats, usually where trees and large shrubs are absent.	Present.
Coastal cactus wren <i>Campylorhynchus brunneicapillus couesi</i>	Federal: None State: SSC	Occurs almost exclusively in cactus (cholla and prickly pear) dominated coastal sage scrub.	Does not occur.
Coastal California gnatcatcher <i>Poliophtila californica californica</i>	Federal: FT State: SSC	Low elevation coastal sage scrub and coastal bluff scrub.	Does not occur.
Ferruginous hawk (wintering) <i>Buteo regalis</i>	Federal: FSC State: SSC	Open, dry country, perching on trees, posts, and mounds. In California, wintering habitat consists of open terrain and grasslands of the plains and foothills.	Potential to occur for winter foraging.
Golden eagle <i>Aquila chrysaetos</i>	Federal: None State: SSC	In southern California, occupies grasslands, brushlands, deserts, oak savannas, open coniferous forests, and montane valleys. Nests on rock outcrops and ledges.	Does not occur.
Least Bell's vireo <i>Vireo bellii pusillus</i>	Federal: FE State: SE	Dense riparian habitats with a stratified canopy, including southern willow scrub, mule fat scrub, and riparian forest.	Does not occur.

Species Name	Status	Habitat Requirements	Occurrence
Loggerhead shrike <i>Lanius ludovicianus</i>	Federal: None State: SSC	Forages over open ground within areas of short vegetation, pastures with fence rows, old orchards, mowed roadsides, cemeteries, golf courses, riparian areas, open woodland, agricultural fields, desert washes, desert scrub, grassland, broken chaparral and beach with scattered shrubs.	Potential to occur.
Long-eared owl <i>Asio otus</i>	Federal: None State: SSC	Riparian habitats are required by the long-eared owl, but it also uses live-oak thickets and other dense stands of trees.	Does not occur.
Northern harrier (nesting) <i>Circus cyaneus</i>	Federal: None State: SSC	A variety of habitats, including open wetlands, grasslands, wet pasture, old fields, dry uplands, and croplands.	Does not occur.
Southwestern willow flycatcher <i>Empidonax traillii extimus</i>	Federal: FE State: SE	Riparian woodlands along streams and rivers with mature dense thickets of trees and shrubs.	Does not occur.
Tricolored blackbird <i>Agelaius tricolor</i>	Federal: FSC State: SSC	Breeding colonies require nearby water, a suitable nesting substrate, and open-range foraging habitat of natural grassland, woodland, or agricultural cropland.	Does not occur.
Western yellow-billed cuckoo <i>Coccyzus americanus occidentalis</i>	Federal: FC State: SE	Dense, wide riparian woodlands with well-developed understories.	Does not occur.
White-faced ibis (nesting colony) <i>Plegadis chihi</i>	Federal: FSC State: SSC	Winter foraging occurs in wet meadows, marshes, ponds, lakes, rivers, and agricultural fields. Requires extensive marshes for nesting.	Does not occur.
White-tailed kite (nesting) <i>Elanus leucurus</i>	Federal: None State: CFP	Low elevation open grasslands, savannah-like habitats, agricultural areas, wetlands, and oak woodlands. Dense canopies used for nesting and cover.	Does not occur.

Species Name	Status	Habitat Requirements	Occurrence
Yellow-breasted chat <i>Icteria virens</i>	Federal: None State: SSC	Dense, relatively wide riparian woodlands and thickets of willows, vine tangles, and dense brush with well-developed understories.	Does not occur.
Yellow warbler <i>Setophaga petechia</i>	Federal: None State: SSC	Breed in lowland and foothill riparian woodlands dominated by cottonwoods, alders, or willows and other small trees and shrubs typical of low, open-canopy riparian woodland. During migration, forages in woodland, forest, and shrub habitats.	Does not occur.
<b>Mammals</b>			
American badger <i>Taxidea taxus</i>	Federal: None State: SSC	Most abundant in drier open stages of most scrub, forest, and herbaceous habitats, with friable soils.	Does not occur.
Los Angeles pocket mouse <i>Perognathus longimembris brevinasus</i>	Federal: None State: SSC	Fine, sandy soils in coastal sage scrub and grasslands.	Does not occur.
Northwestern San Diego pocket mouse <i>Chaetodipus fallax fallax</i>	Federal: None State: SSC	Coastal sage scrub, sage scrub/grassland ecotones, and chaparral.	Does not occur.
Pallid bat <i>Antrozous pallidus</i>	Federal: None State: SSC	Deserts, grasslands, shrublands, woodlands, and forests. Most common in open, dry habitats with rocky areas for roosting.	Does not occur.
Pocketed free-tailed bat <i>Nyctinomops femorosaccus</i>	Federal: None State: SSC	Rocky areas with high cliffs in pine-juniper woodlands, desert scrub, palm oasis, desert wash, and desert riparian.	Does not occur.
San Bernardino kangaroo rat <i>Dipodomys merriami parvus</i>	Federal: FE State: SSC	Typically found in Riversidean alluvial fan sage scrub and sandy loam soils, alluvial fans and floodplains, and along washes with nearby sage scrub.	Does not occur.
San Diego black-tailed jackrabbit <i>Lepus californicus bennettii</i>	Federal: None State: SSC	Occupies a variety of habitats, but is most common among shortgrass habitats. Also occurs in sage scrub, but needs open habitats.	Potential to occur.

Species Name	Status	Habitat Requirements	Occurrence
San Diego desert woodrat <i>Neotoma lepida intermedia</i>	Federal: None State: SSC	Occurs in a variety of shrub and desert habitats, primarily associated with rock outcrops, boulders, cacti, or areas of dense undergrowth.	Does not occur.
Southern grasshopper mouse <i>Onychomys torridus ramona</i>	Federal: None State: SSC	Desert areas, especially scrub habitats with friable soils for digging. Prefers low to moderate shrub cover.	Does not occur.
Stephens' kangaroo rat <i>Dipodomys stephensi</i>	Federal: FE State: ST	Open grasslands or sparse shrublands with less than 50% vegetation cover during the summer.	Potential to occur.
Western mastiff bat <i>Eumops perotis californicus</i>	Federal: None State: SSC	Occurs in many open, semi-arid to arid habitats, including conifer and deciduous woodlands, coastal scrub, grasslands, and chaparral. Roosts in crevices in cliff faces, high buildings, trees, and tunnels.	Does not occur.
Western yellow bat <i>Lasiurus xanthinus</i>	Federal: None State: SSC	Found in valley foothill riparian, desert riparian, desert wash, and palm oasis habitats. Roosts in trees, particularly palms. Forages over water and among trees.	Does not occur.
Yuma Myotis <i>Myotis yumanensis</i>	Federal: None State: None CDFG: CSC	Optimal habitats are open forests and woodlands with sources of water over which to feed. Distribution is closely tied to bodies of water. Maternity colonies in caves, mines, buildings or crevices.	Does not occur.

#### 4.5.1 Special-Status Wildlife Species Observed or with a Potential to Occur within the Project Site

As noted in the above table, one special-status wildlife species (California horned lark) was detected at the Project site. Several other species have the potential to occur, including the coastal whiptail, burrowing owl, ferruginous hawk, loggerhead shrike, San Diego black-tailed jackrabbit, and Stephens' kangaroo rat (SKR). With the exception of the SKR, all of the other species are designated as Covered Species under the MSHCP. The SKR is covered under the prior SKR Habitat Conservation Plan (HCP).

Of these species, only one species (burrowing owl) has project-specific survey/conservation requirements under the MSHCP. The MSHCP requires focused surveys for the burrowing owl for projects located within the burrowing owl survey area, and that contain suitable habitat. As noted above, the Project site is located within the MSHCP Burrowing Owl Survey Area and so focused burrowing owl surveys were conducted for the site. No burrowing owls or burrows with owl sign were detected onsite. Pursuant to the MSHCP, pre-construction burrowing owl surveys will be required prior to grading to confirm the absence of burrowing owls. The requirement for pre-construction burrowing owl surveys is further discussed in Section 6.0 of this report.

The Project site has a low potential to support SKR, but as noted impacts to SKR are covered pursuant to the SKR HCP. The Project site is located within the SKR Fee Area, and so the Project is required to pay an SKR Fee in compliance with the SKR HCP.

#### **4.6 Critical Habitat**

The Project site is not located within any Critical Habitat areas designated by the USFWS.

#### **4.7 Raptor Use**

The Project Site provides suitable foraging habitat for a number of raptor species, but does not contain suitable breeding habitat for raptors, including special-status species identified above in Table 4-2.

#### **4.8 Nesting Birds**

The Project site contains vegetation that provides suitable habitat for nesting migratory birds. Impacts to nesting birds are prohibited under the Migratory Bird Treaty Act (MBTA) and California Fish and Game Code.<sup>9</sup>

#### **4.9 Soil Mapping**

The Natural Resource Conservation Service (NRCS) identifies the following soil types (series) as occurring (currently or historically) within the Project site [Exhibit 7]:

- Greenfield Sandy Loam (Gya), 0 to 2 percent slopes
- Hanford Coarse Sandy Loam (HcA), 0 to 2 percent slopes

Neither of these soil types is considered sensitive by the MSHCP, since neither are generally associated with Narrow Endemic or Criteria Area Plants.

<sup>9</sup> The MBTA makes it unlawful to take, possess, buy, sell, purchase, or barter any migratory bird listed in 50 C.F.R. Part 10, including feathers or other parts, nests, eggs, or products, except as allowed by implementing regulations (50 C.F.R.21). In addition, sections 3505, 3503.5, and 3800 of the California Department of Fish and Game Code prohibit the take, possession, or destruction of birds, their nests or eggs.

#### **4.10 Jurisdictional Delineation**

The Project site does not contain any waters subject to the jurisdictions of the Corps, Regional Board, and/or CDFW.

#### **4.11 MSHCP Riparian/Riverine Areas and Vernal Pools**

The Project site does not contain any MSHCP riparian/riverine areas or vernal pools.

### **5.0 IMPACT ANALYSIS**

The following discussion examines the potential impacts to plant and wildlife resources that would occur as a result of the proposed project. Impacts (or effects) can occur in two forms, direct and indirect. Direct impacts are considered to be those that involve the loss, modification or disturbance of plant communities, which in turn, directly affect the flora and fauna of those habitats. Direct impacts also include the destruction of individual plants or animals, which may also directly affect regional population numbers of a species or result in the physical isolation of populations thereby reducing genetic diversity and population stability.

Indirect impacts pertain to those impacts that result in a change to the physical environment, but which is not immediately related to a project. Indirect (or secondary) impacts are those that are reasonably foreseeable and caused by a project, but occur at a different time or place. Indirect impacts can occur at the urban/wildland interface of projects, to biological resources located downstream from projects, and other off site areas where the effects of the project may be experienced by plants and wildlife. Examples of indirect impacts include the effects of increases in ambient levels of noise or light; predation by domestic pets; competition with exotic plants and animals; introduction of toxics, including pesticides; and other human disturbances such as hiking, off-road vehicle use, unauthorized dumping, etc. Indirect impacts are often attributed to the subsequent day-to-day activities associated with project build-out, such as increased noise, the use of artificial light sources, and invasive ornamental plantings that may encroach into native areas. Indirect effects may be both short-term and long-term in their duration. These impacts are commonly referred to as “edge effects” and may result in a slow replacement of native plants by non-native invasives, as well as changes in the behavioral patterns of wildlife and reduced wildlife diversity and abundance in habitats adjacent to project sites.

Cumulative impacts refer to two or more individual effects which, when considered together, are considerable or which compound or increase other environmental impacts. A cumulative impact can occur from multiple individual effects from the same project, or from several projects. The cumulative impact from several projects is the change in the environment resulting from the incremental impact of the project when added to other closely related past, present, and reasonably foreseeable probable future projects. Cumulative impacts can result from individually minor but collectively significant projects taking place over a period of time.



## 5.1 California Environmental Quality Act (CEQA)

### 5.1.1 Thresholds of Significance

Environmental impacts to biological resources are assessed using impact significance threshold criteria, which reflect the policy statement contained in CEQA, Section 21001(c) of the California Public Resources Code. Accordingly, the State Legislature has established it to be the policy of the State of California:

*“Prevent the elimination of fish or wildlife species due to man’s activities, ensure that fish and wildlife populations do not drop below self-perpetuating levels, and preserve for future generations representations of all plant and animal communities...”*

Determining whether a project may have a significant effect, or impact, plays a critical role in the CEQA process. According to CEQA, Section 15064.7 (Thresholds of Significance), each public agency is encouraged to develop and adopt (by ordinance, resolution, rule, or regulation) thresholds of significance that the agency uses in the determination of the significance of environmental effects. A threshold of significance is an identifiable quantitative, qualitative or performance level of a particular environmental effect, non-compliance with which means the effect will normally be determined to be significant by the agency and compliance with which means the effect normally will be determined to be less than significant. In the development of thresholds of significance for impacts to biological resources CEQA provides guidance primarily in Section 15065, Mandatory Findings of Significance, and the CEQA Guidelines, Appendix G, Environmental Checklist Form. Section 15065(a) states that a project may have a significant effect where:

*“The project has the potential to substantially degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or wildlife community, reduce the number or restrict the range of an endangered, rare, or threatened species, ...”*

Therefore, for the purpose of this analysis, impacts to biological resources are considered potentially significant (before considering offsetting mitigation measures) if one or more of the following criteria discussed below would result from implementation of the proposed project.

### 5.1.2 Criteria for Determining Significance Pursuant to CEQA

Appendix G of the 1998 State CEQA guidelines indicate that a project may be deemed to have a significant effect on the environment if the project is likely to:

*a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service.*

- b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service.*
- c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means.*
- d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites.*
- e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance.*
- f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan.*

## **5.2 Impacts to Native Vegetation**

The proposed Project will not impact any native vegetation communities, including special-status communities. Impacts to vegetation would be less than significant and do not require mitigation.

## **5.3 Impacts to Special-Status Plants**

The proposed Project will not impact special-status plants.

## **5.4 Impacts to Special-Status Animals**

The proposed Project will result in the loss of habitat that supports special-status species, including the California horned lark, and with the potential to support other special-status animals as discussed above in Section 4.5 and Table 4-2. Potential impacts include one federally and state-listed species (Stephens' kangaroo rat), which if present would be considered potentially significant under CEQA. As noted above, the SKR is covered under the SKR HCP, and with payment of the SKR Fee, the Project would receive coverage or the actual or potential loss of habitat for SKR. With this measure, any impacts to SKR would be covered by the existing HCP, and those impacts would be reduced to below a level of significance.

The Project site has the potential to support burrowing owls. As discussed above, burrowing owls were not detected onsite during focused surveys. However, the MSHCP requires that pre-construction surveys be conducted prior to grading in order to confirm the absence of burrowing owls. The loss of occupied burrowing owl habitat and exclusion of individual owls is considered potentially significant under CEQA. However, compliance with MSHCP, including

performance of pre-construction surveys and owl relocation (if present), would reduce impacts to below a level of significance. Pre-construction surveys are further described in Section 6.0 of this report as a project-specific avoidance/mitigation measure.

For the additional special-status species with a potential to occur onsite, due to the low degree of sensitivity and the disturbed nature of the property, the loss of habitat for these species would be less than significant.

### **5.5 Impacts to Critical Habitat**

The proposed Project will not impact lands designated as critical habitat by the USFWS.

### **5.6 Impacts to Nesting Birds**

The proposed Project has the potential to impact active bird nests if vegetation is removed during the nesting season (February 1 to August 31). Impacts to nesting birds are prohibited by the MBTA and California Fish and Game Code. A project-specific avoidance measure is identified in Section 6.0 of this report to avoid impacts to nesting birds.

### **5.7 Impacts to MSHCP Riparian/Riverine Areas**

The proposed Project will not impact MSHCP riparian/riverine areas.

### **5.8 Impacts to Jurisdictional Waters**

The proposed Project will not impact jurisdictional waters.

### **5.9 Indirect Impacts to Biological Resources**

In the context of biological resources, indirect effects are those effects associated with developing areas adjacent to adjacent native open space. Potential indirect effects associated with development include water quality impacts from associated with drainage into adjacent open space/downstream aquatic resources; lighting effects; noise effects; invasive plant species from landscaping; and effects from human access into adjacent open space, such as recreational activities (including off-road vehicles and hiking), pets, dumping, etc. Temporary, indirect effects may also occur as a result of construction-related activities. The MSHCP requires the implementation of Urban/Wildlands Interface Guidelines (*Volume I, Section 6.1.4* of the MSHCP) for those projects (particularly development) located in proximity to the MSHCP Conservation Area.

The proposed Project is not located adjacent to the MSHCP Conservation Area or any other native open space. The Project will not result in indirect impacts to sensitive biological resources.

## 5.10 Cumulative Impacts to Biological Resources

Cumulative impacts are defined as the direct and indirect effects of a proposed project which, when considered alone, would not be deemed a substantial impact, but when considered in addition to the impacts of related projects in the area, would be considered potentially significant. “Related projects” refers to past, present, and reasonably foreseeable probable future projects, which would have similar impacts to the proposed project. Through compliance with the MSHCP and the SKR HCP, any cumulative impacts would be reduced to below a level of significance.

## 6.0 MITIGATION/AVOIDANCE MEASURES

The following discussion provides project-specific mitigation/avoidance measures for actual or potential impacts to special-status resources.

### 6.1 Burrowing Owl

The Project site contains suitable habitat for burrowing owls; however, burrowing owls were not detected onsite during focused surveys. MSHCP Objective 6 for burrowing owls requires that pre-construction surveys prior to site grading. As such, the following measure is recommended to avoid direct impacts to burrowing owls and to ensure consistency with the MSHCP:

- A qualified biologist will conduct a pre-construction presence/absence survey for burrowing owls within 14 days prior to site disturbance. If burrowing owls are detected onsite, the owls will be relocated/excluded from the site outside of the breeding season following accepted protocols, and subject to the approval of the RCA and wildlife agencies.

### 6.2 Nesting Birds

The Project site contains vegetation with the potential to support nesting birds. As discussed above, the MBTA and California Fish and Game Code prohibit impacts to nesting birds. The following measure is recommended to avoid impacts to nesting birds:

- As feasible, vegetation clearing should be conducted outside of the nesting season, which is generally identified as February 1 through September 15. If avoidance of the nesting season is not feasible, then a qualified biologist shall conduct a nesting bird survey within three days prior to any disturbance of the site, including disking, demolition activities, and grading. If active nests are identified, the biologist shall establish suitable buffers around the nests, and the buffer areas shall be avoided until the nests are no longer occupied and the juvenile birds can survive independently from the nests.

## 7.0 MSHCP CONSISTENCY ANALYSIS

The purpose of this section is to provide an analysis of the proposed Project with respect to compliance with biological aspects of the Western Riverside County MSHCP. Specifically, this analysis evaluates the proposed Project with respect to the Project's consistency with MSHCP Reserve assembly requirements, *Section 6.1.2* (Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools), *Section 6.1.3* (Protection of Narrow Endemic Plant Species), *Section 6.1.4* (Guidelines Pertaining to the Urban/Wildlands Interface), and *Section 6.3.2* (Additional Survey Needs and Procedures).

### 7.1 Project Relationship to Reserve Assembly

The proposed Project is not located within the MSHCP Criteria Area, and therefore is not subject to the Habitat Evaluation and Acquisition Negotiation Strategy (HANS) process or Joint Project Review (JPR). The proposed Project will be consistent with MSHCP Reserve Assembly requirements.

### 7.2 Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools

*Volume I, Section 6.1.2* of the MSHCP describes the process through which protection of riparian/riverine areas and vernal pools would occur within the MSHCP Plan Area. The purpose is to ensure that the biological functions and values of these areas throughout the MSHCP Plan Area are maintained such that habitat values for species inside the MSHCP Conservation Area are maintained. The MSHCP requires that as projects are proposed within the overall Plan Area, the effect of those projects on riparian/riverine areas and vernal pools must be addressed.

The MSHCP defines riparian/riverine areas as *lands which contain Habitat dominated by trees, shrubs, persistent emergent mosses and lichens, which occur close to or which depend upon soils moisture from a nearby fresh water source; or areas with fresh water flow during all or a portion of the year.*

The MSHCP defines vernal pools as *seasonal wetlands that occur in depression areas that have wetlands indicators of all three parameters (soils, vegetation, and hydrology) during the wetter portion of the growing season but normally lack wetland indicators of hydrology and/or vegetation during the drier portion of the growing season.*

The Project will not impact MSHCP riparian/riverine areas or vernal pools, and therefore will be consistent with riparian/riverine policies as identified in Volume I, Section 6.1.2 of the MSHCP.

### 7.3 Protection of Narrow Endemic Plants

*Volume I, Section 6.1.3* of the MSHCP requires that within identified Narrow Endemic Plant Species Survey Areas (NEPSSA), site-specific focused surveys for Narrow Endemic Plant Species will be required for all public and private projects where appropriate soils and habitat are present.

The Project is not located within the NEPSSA, and therefore is not required to perform focused plant surveys for Narrow Endemic Plants. The proposed Project will be consistent with *Volume I, Section 6.1.3* of the MSHCP.

#### **7.4 Guidelines Pertaining to the Urban/Wildland Interface**

The MSHCP Urban/Wildland Interface Guidelines are intended to address indirect effects associated with locating development in proximity to the MSHCP Conservation Area. As the MSHCP Conservation Area is assembled, development is expected to occur adjacent to the Conservation Area. Future development in proximity to the MSHCP Conservation Area may result in edge effects with the potential to adversely affect biological resources within the Conservation Area. To minimize such edge effects, the guidelines shall be implemented in conjunction with review of individual public and private development projects in proximity to the MSHCP Conservation Area and address the following:

- Drainage;
- Toxics;
- Lighting;
- Noise;
- Invasive species;
- Barriers;
- Grading/Land Development.

As discussed in Section 5.0 of this report, the Urban/Wildland Interface Guidelines do not apply to the proposed Project since the Project site is not located adjacent to the MSHCP Conservation Area. The Project will be consistent with *Volume I, Section 6.1.4* of the MSHCP.

#### **7.5 Additional Survey Needs and Procedures**

*Volume I, Section 6.3.2* of the MSHCP identifies survey and conservation requirements for projects located within designated survey areas, including CAPSSA, burrowing owl, mammals, and amphibians. The Project site is located within the burrowing owl survey area, but not within any other survey area. Focused burrowing owl surveys were conducted for the Project due to the presence of suitable habitat, but no burrowing owls or burrows with owl sign were detected during the surveys. As identified above in Section 6.2 of this report, the Project will perform a pre-construction survey prior to site disturbance to avoid direct impacts to burrowing owls. Any owl detected onsite will be relocated/excluded subject to the approval of the RCA and wildlife agencies. With the implementation of this measure, the proposed Project will be consistent with *Volume I, Section 6.3.2* of the MSHCP.

#### **7.6 Conclusion of MSHCP Consistency**

As outlined above, the proposed Project will be consistent with the biological requirements of the MSHCP; specifically pertaining to the Project's relationship to reserve assembly, *Section 6.1.2* (Protection of Species Associated with Riparian/Riverine Areas and Vernal Pools), *Section*



6.1.3 (Protection of Narrow Endemic Plant Species), *Section 6.1.4* (Guidelines Pertaining to the Urban/Wildlands Interface), and *Section 6.3.2* (Additional Survey Needs and Procedures).

## 8.0 REFERENCES

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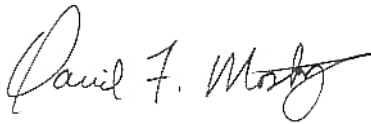
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**9.0 CERTIFICATION**

*I hereby certify that the statements furnished above and in the attached exhibits present data and information required for this biological evaluation, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.*



Signed: \_\_\_\_\_

Date: 9/18/2014

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Attachment: Biological Report (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

Exhibit 1

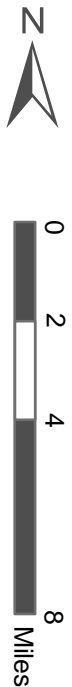
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Regional Map

Source: ESRI World Street Map



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap Contributors, and the GIS User Community



**TENTATIVE TRACT 36760**

Regional Map

**GLENN LUKOS ASSOCIATES**



Exhibit 1

E.1.W

Packet Pg. 1046

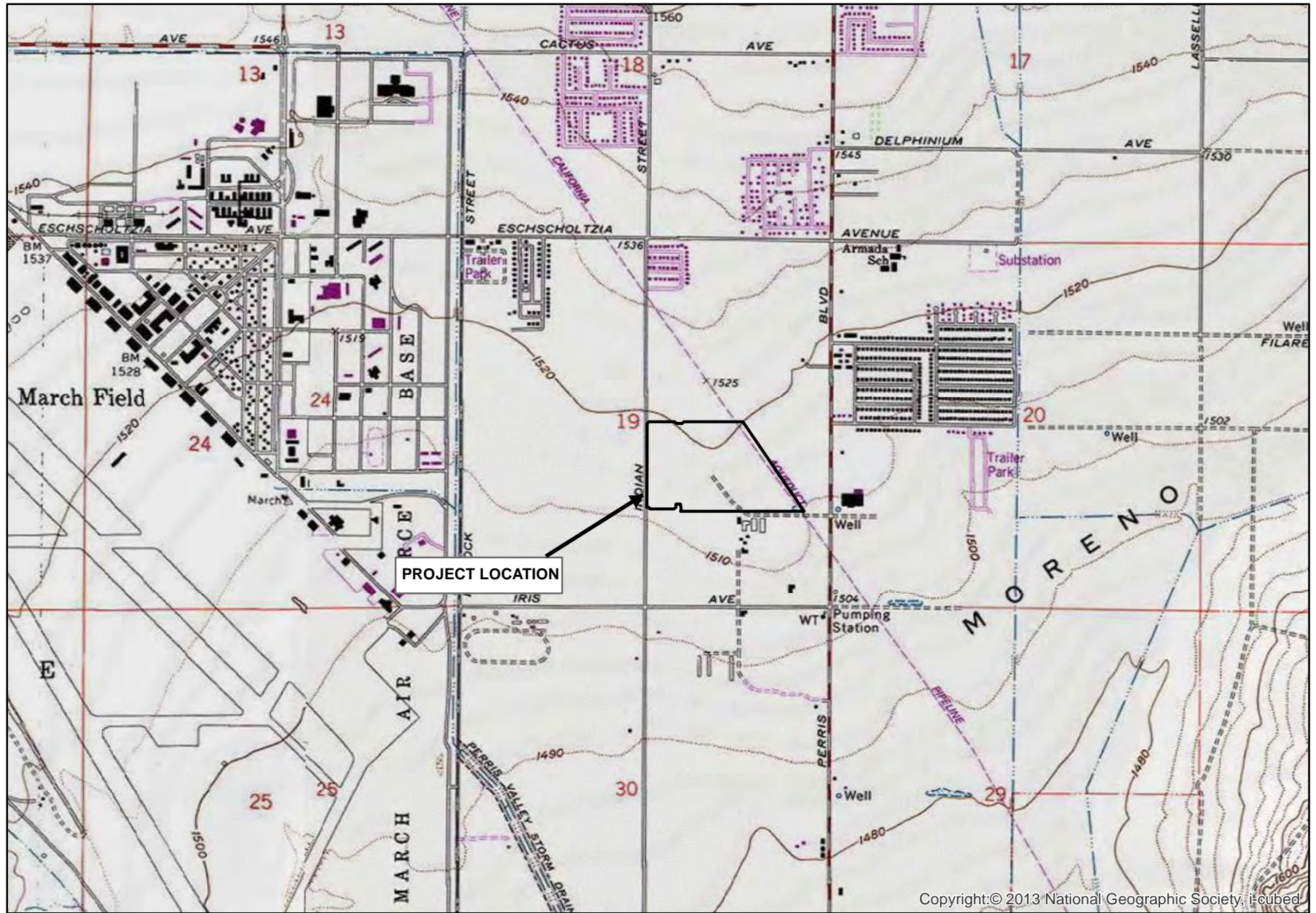
Exhibit 2

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Vicinity Map



Adapted from USGS Perris CA quadrangle



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# TENTATIVE TRACT 36760

Vicinity Map

## GLENN LUKOS ASSOCIATES



Exhibit 2

E.1.W

Attachment: Biological Report (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

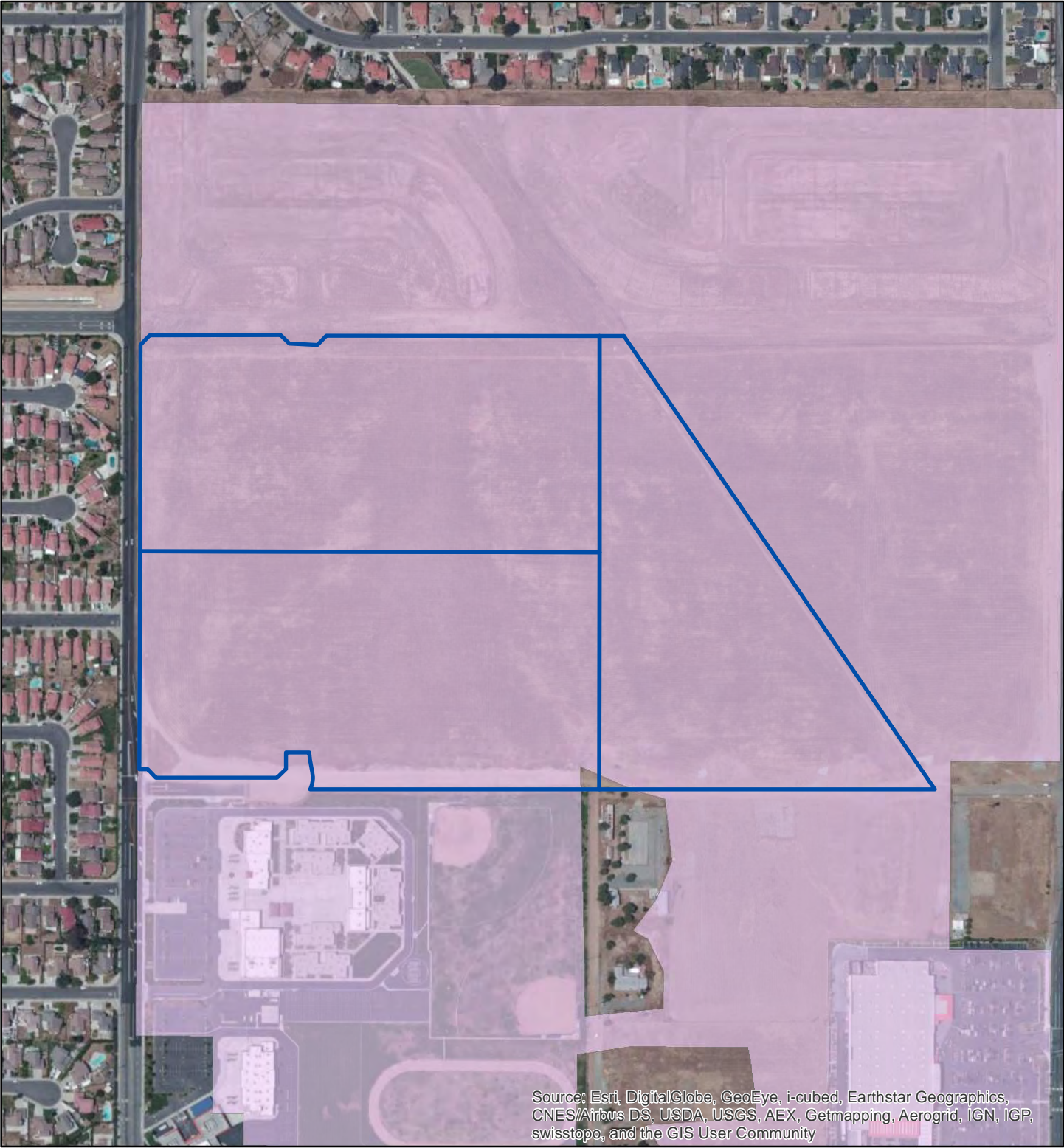






Exhibit 3

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MSHCP Overlay Map



**Legend**

-  Site Boundary
-  BurrowingOwlSurvey

**TENTATIVE TRACT 36760**  
 MSHCP Map

GLENN LUKOS ASSOCIATES



Exhibit 3

Attachment: Biological Report (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

Exhibit 4

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Vegetation Map

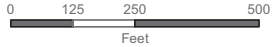




Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community

### Legend

-  Project Boundary
-  Disturbed/Ruderal



**TENTATIVE TRACT 36760**  
Vegetation Map


GLENN LUKOS ASSOCIATES 

Exhibit 4

Exhibit 5

---

Site Photographs



Photograph 1: View of Project site looking east along the southern boundary.



Photograph 2: View of Project site looking north.



GLENN LUKOS ASSOCIATES

Exhibit 5

**TENTATIVE TRACT 36760**  
Site Photographs





Photograph 3: View of Project site looking east.



Photograph 4: View of burrow complex located in the southwestern portion of the Project site.



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Exhibit 5

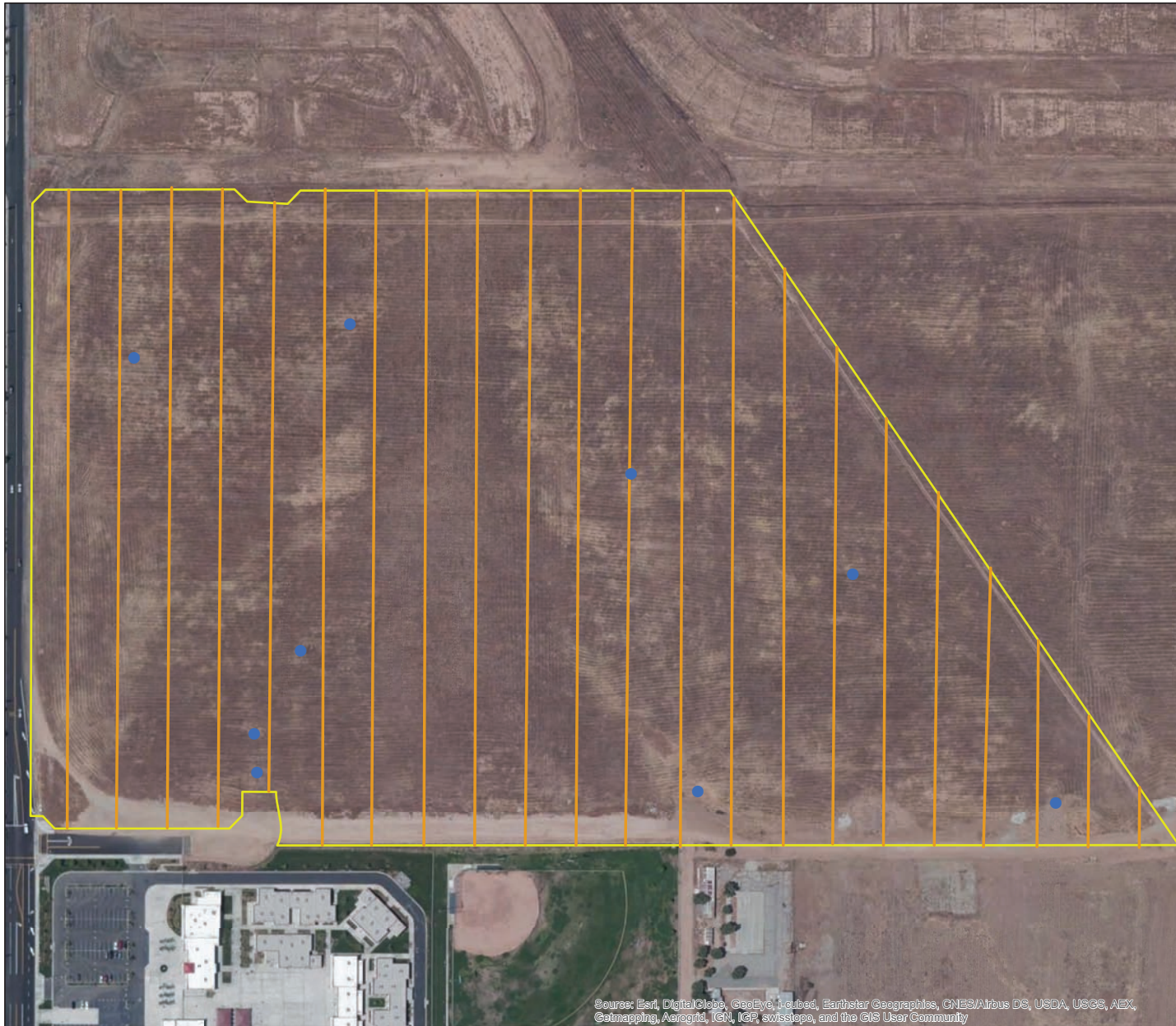
**TENTATIVE TRACT 36760**  
Site Photographs

Exhibit 6

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Burrowing Owl Transect Map





Source: Esri, DigitalGlobe, GeoEye, IGN, AerGRID, IGN, IGP, swisstopo, and the GIS User Community

### Legend

- Project Boundary
- Suitable Burrows
- Transect

**TENTATIVE TRACT 36760**

Burrowing Owl Transect Map

GLENN LUKOS ASSOCIATES



Exhibit 6

Exhibit 7

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Soils Map

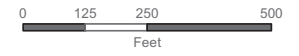




Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroX, Getmapping, Aergrid, IGN, IGP, swisstopo, and the GIS User Community

**Legend**

-  Project Boundary
-  GyA - Greenfield sandy loam, 0 to 2 percent slopes
-  HcA - Hanford coarse sandy loam, 0 to 2 percent slopes



**TENTATIVE TRACT 36760**

Soils Map

GLENN LUKOS ASSOCIATES



Exhibit 7

HELIX Environmental Planning, Inc.  
 7578 El Cajon Boulevard  
 La Mesa, CA 91942  
 619.462.1515 tel  
 619.462.0552 fax  
 www.helixepi.com



April 13, 2016

MPL-01

Mr. Jason Keller, PE  
 Mission Pacific Land Company  
 4100 Newport Place, Suite 480  
 Newport Beach, CA 92660

**Subject: Moreno Valley Tentative Tract Map 36760 Project Cultural Resources Study Report**

Dear Mr. Keller:

HELIX Environmental Planning, Inc., (HELIX) was contracted to conduct a cultural resources study for the Moreno Valley Tentative Tract Map 36760 Project (project) in the City of Moreno Valley, California. The cultural resources study included a record search, a Sacred Lands File search, tribal outreach, a review of historic maps and aerial photographs, an intensive survey by a HELIX archaeologist and a Native American monitor, and preparation of this letter report. While one historic feature has been identified within the project property, it is not considered a significant resource. This letter report details the methods and results of the cultural resources study.

## **PROJECT DESCRIPTION**

The Moreno Valley Tentative Tract Map 36760 project is located near March Air Force Base, in the City of Moreno Valley (City) in northwestern Riverside County. The project is located east of March Air Force Base and northwest of Perris Reservoir (Figures 1 and 2, *Regional Location Map*, and *Project Vicinity [USGS Topography]*, respectively). The approximately 53-acre parcel is bordered by Indian Street on the west, with Santiago Drive and March Middle School on the south and empty lots to the east and north. Perris Boulevard is the nearest road to the east, and Fay Avenue is the nearest road to the north (Figure 3, *Project Vicinity [Aerial Photograph]*). The project is bordered on the east by the California Aqueduct easement. The continuation of Gentian Avenue between its current termini on the east and west of the project site will form the northern project boundary (Figure 4, *Project Plan*). The parcel is within Township 3 South, Range 3 West, Section 19, on the U.S. Geological Survey (USGS) 7.5' Sunnymead quadrangle (Figure 2).



Letter to Mr. Jason Keller  
April 13, 2016

Page 2 of 14

The applicant proposes to develop 221 suburban residences including the installation of all necessary utilities and new roads leading from Gentian Avenue and Santiago Drive. Construction activities would produce an estimated 114,545 cubic yards of excavated soil.

## **ENVIRONMENTAL BACKGROUND**

The project area is in the Moreno Valley in the foothills of Riverside County. The Badlands, San Bernardino and San Jacinto Mountains lie to the east, the Santa Ana Mountains lie to the west, and the Box Spring Mountains are to the north. Average annual temperatures range from a January low of about 46.9 degrees Fahrenheit (°F) to an August high of about 95.8°F, and maximum monthly rainfall averages around 2.98 inches in December (Weather Currents 2016). The property is located on a flat field previously used for agriculture (Figure 2). Elevation remains fairly level between 1,510 and 1,520 feet above mean sea level (amsl). The property is about 6.5 miles northwest of the current location of the San Jacinto River (the alignment of the river has changed over time) and about 3.25 miles northwest of the Perris Reservoir. Various drainages in the vicinity would have made fresh water easily accessible to native populations living in the area.

Geologically, the project area is underlain by young alluvium, as is the whole of Moreno Valley and the connecting Perris Valley. The nearby hills south and west of the Valley are Mesozoic granitic formations, and the Badlands to the east are of undivided Pliocene nonmarine formations (Morton et al. 1999). Two soil series are mapped for the project site: Greenfield sandy loam, 0 to 2 percent slopes, and Hanford coarse sandy loam, 0 to 2 percent slopes. The Greenfield soil comprises about 59 percent of the site and Hanford about 41 percent (Web Soil Survey n.d.). Both soil series are granite-derived alluviums found in alluvial fans and terraces that generally support wild oats, riggut brome, soft chess, filaree, foxtail, mustard, and coast live oak (Bowman 1973). The project area has been disturbed by past agricultural activities yet many of these grass, brome, and forb species are present on site. Native grassland species and coast live oak would have been used by native populations for food, medicine, tools, and ceremonial and other uses (Christenson 1990; Hedges and Beresford 1986). Many of the animal species living within these communities (such as rabbits, deer, small mammals, and birds) would have been used by native inhabitants as well.

## **CULTURAL BACKGROUND**

The culture history presented here (up to the discussion of the Late Prehistoric period) is based on Wallace's (1978) discussion of the Post-Pleistocene for Southern California (circa 9000 BCE to 2000 BCE). The earliest inhabitants of California subsisted mainly by hunting, as attested to by "the finding of projectile points and other stone implements adapted to the chase at ancient campsites" throughout California (Wallace 1978:25). Wallace refers to this early period as Period I: Hunting. It generally equates with the Paleoindian or Lithic stage (Willey and Phillips 1958), in which little diversity of resource exploitation is evident.

Wallace's (1978) Period II: Food Collecting equates with Willey and Phillips (1958) Archaic stage and is often referred to in Southern California as the Early Archaic, Early Milling period, or Milling Stone Horizon. "A changeover from hunting to the collection of seed foods is clearly

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reflected in the archaeological record for the period between 6000 and 3000 B.C. The importance of seeds in the diet of the prehistoric peoples can be seen in the numbers of food-grinding implements present at their settlements” (Wallace 1978:28).

After about 3000 BCE, a more diversified subsistence strategy is evident throughout Southern California. “Everywhere increased subsistence efficiency in the form of wider exploitation of available food resources can be seen” (Wallace 1978:30). The artifact assemblages changed slowly over time, with a few additions or changes. “By the end of the millennium the new ways and techniques had become firmly established and formed the basis for succeeding cultural traditions” (Wallace 1978:35).

“Perhaps as early as 1500-1000 B.C. the Takic branch of Uto-Aztecan [including the forebears of the Luiseño and Cahuilla people] began to spread westward across the Mojave Desert” (Moratto 1984:560). There is disagreement about the date of the “Shoshonean intrusion” into various parts of Southern California, including Riverside County. Moratto indicated that Kowta (1969:50) “proposed dates of circa 1000 B.C. for the entry of ‘Shoshoneans’ in the Los Angeles Basin” (Moratto 1984:560). “Considering both linguistic and archaeological data, C. Bull (1977:56) sets the western movement of the ‘Luisenic language family’ at circa 500 B.C.” (Moratto 1984:165).

It must be noted that this interpretation by archaeologists and linguistic anthropologists differs from the beliefs of the Luiseño and Cahuilla people. The creation stories indicates that the Luiseño and Cahuilla people have always been here, not migrating from elsewhere. The creation story of the Pechanga Band of the Luiseño tells that the world was created at Temecula. “The Káamalam [first people] moved to a place called Nachíivo Pomúisavo, but it was too small so they moved to a place called ‘exva Teméeku, this place you now know as Temeku. Here they settled while everything was still in darkness (DuBois 1908)” (Masiel-Zamora 2013:2).

While some ethnographers place the area of the project site in the traditional territory of the Luiseño people (see Kroeber 1976:Plate 57), others show it as within traditional Cahuilla territory (see Bean 1978; Bean and Shipek 1978). Most probably, this is a transitional area between the two related cultural groups.

“During the Spanish Period, Riverside County proved to be too far inland to include any missions or asistencias within its limits. Although both San Luis Rey and San Juan Capistrano claimed a large part of southwestern Riverside County. Mission San Juan Capistrano and San Luis Rey were established in 1776 and 1798, respectively” (Goodwin 2013:6).

The project area is in proximity to the former Mexican land grant Rancho San Jacinto Nuevo y Potrero, which was granted to Miguel Pedorena, in 1846. Pedorena was the son-in-law of Jose Antonio Estudillo, administrator and major domo of Mission San Luis Rey. The land grant was later patented to Thomas W. Sutherland, guardian of the minor children of Pedorena and his widow.

In the late 1800s, John Butterfield’s Overland Mail Company stagecoach route ran through Moreno and Perris Valleys on its way between Tucson and San Francisco via San Diego and

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Los Angeles. The Moreno Valley, which consisted of small, unincorporated communities, got its name from Frank E. Brown (“Moreno” in Spanish), who formed the Bear Valley Land and Water Company in 1883. Brown built a dam at Bear Valley and provided water to the Perris and Moreno communities until 1899, when he lost a legal suit, and thereby water rights, to the City of Redlands. This litigation and a period of natural drought devastated the local farming communities, forcing families to either move or abandon their homes in favor of better irrigated areas. The few who remained turned to “the dry farming of hay, grain, and grapes” (City of Moreno Valley, n.d.).

The community was revived in 1918, with the construction of March Field in anticipation of America’s entry into World War I. It began as a temporary base for training fighter pilots but was established as a permanent base and flight training school in the late 1920s. This led to a population boom in the Moreno Valley, with the Base supporting up to 85,000 troops at a time. The establishment of the Riverside International Raceway in 1958 and the Lake Perris Recreation Area in 1973 led to further population increases until the unincorporated communities of Moreno, Edgemont, and Sunnymead were combined into the City of Moreno Valley in 1984 (City of Moreno Valley, n.d.).

The site record for CA-RIV-11757 (P-33-023936) gives a detailed history of the ownership and agricultural use of the section in which the project site is located (McKenna 2014a).

## **REGULATORY FRAMEWORK**

Resource importance is assigned to districts, sites, buildings, structures, and objects that possess exceptional value or quality illustrating or interpreting the heritage of the region in history, architecture, archaeology, engineering, and culture. Several criteria are used in demonstrating resource importance. Specifically, criteria outlined in the California Environmental Quality Act (CEQA) provide the guidance for making such a determination. The City’s General Plan also addresses cultural resources. This section details the criteria that a resource must meet in order to be determined significant.

### **California Environmental Quality Act (CEQA)**

The CEQA Guidelines (§15064.5) address determining the significance of impacts to archaeological and historic resources.

- (a) For purposes to this section, the term “historical resources” shall include the following:
- (1) A resource listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources (CRHR) (Public Resources Code §5024.1, Title 14 California Code of Regulations [CCR], Section 4850 et seq.).
  - (2) A resource included in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code or identified as significant in an historical resource survey meeting the requirements of section 5024.1(g) of the Public

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Resources Code, shall be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.

- (3) Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to be an historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the California Register of Historical Resources (Public Resources Code §5024.1, Title 14, Section 4852) including the following:
- (A) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
  - (B) Is associated with the lives of persons important in our past;
  - (C) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual, or possesses high artistic values; or
  - (D) Has yielded, or may be likely to yield, information important in prehistory or history.
- (4) The fact that a resource is not listed in or determined eligible for listing in the California Register of Historical Resources, not included in a local register of historical resources (pursuant to section 5020.1(k) of the Public Resources Code), or identified in an historical resources survey (meeting the criteria in section 5024.1(g) of the Public Resources Code) does not preclude a lead agency from determining that the resource may be an historical resource as defined in Public Resources Code Section 5020.1(j) or 5024.1.
- (b) A project with an effect that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment.
- (1) Substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired.
  - (2) The significance of an historical resource is materially impaired when a project:
    - (A) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and

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that justify its inclusion in, or eligibility for, inclusion in the California Register of Historical Resources; or

- (B) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or
  - (C) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register of Historical Resources as determined by a lead agency for purposes of CEQA.
- (c) CEQA applies to effects on archaeological sites.
- (1) When a project will impact an archaeological site, a lead agency shall first determine whether the site is an historical resource, as defined in subsection (a).
  - (2) If a lead agency determines that the archaeological site is an historical resource, it shall refer to the provisions of Section 21084.1 of the Public Resources Code, and this section, Section 15126.4 of the Guidelines, and the limits contained in Section 21083.2 of the Public Resources Code do not apply.
  - (3) If an archaeological site does not meet the criteria defined in subsection (a), but does meet the definition of a unique archaeological resource in Section 21083.2 of the Public Resources Code, the site shall be treated in accordance with the provisions of Section 21083.2. The time and cost limitations described in Public Resources Code Section 21083.2 (c-f) do not apply to surveys and site evaluation activities intended to determine whether the project location contains unique archaeological resources.
  - (4) If an archaeological resource is neither a unique archaeological nor an historical resource, the effects of the project on those resources shall not be considered a significant effect on the environment. It shall be sufficient that both the resource and the effect on it are noted in the Initial Study or Environmental Impact Report (EIR), if one is prepared to address impacts on other resources, but they need not be considered further in the CEQA process.

Section 15064.5 (d) & (e) contain additional provisions regarding human remains. Regarding Native American human remains, paragraph (d) provides:

- (d) When an Initial Study identifies the existence of, or the probable likelihood, of Native American human remains within the project, a lead agency shall work with the appropriate Native Americans as identified by the Native American Heritage Commission as provided in



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Public Resources Code §5097.98. The applicant may develop an agreement for treating or disposing of, with appropriate dignity, the human remains and any items associated with Native American burials with the appropriate Native Americans as identified by the Native American Heritage Commission. Action implementing such an agreement is exempt from:

- (1) The general prohibition on disinterring, disturbing, or removing human remains from any location other than a dedicated cemetery (Health and Safety Code Section 7050.5).
- (2) The requirements of CEQA and the Coastal Act.

### **City of Moreno Valley General Plan**

The City's General Plan (2006) includes Objective 7.6 and related policies regarding cultural and historical resources as part of the Conservation Element.

#### **Objective 7.6**

Identify and preserve Moreno Valley's unique historical and archaeological resources for future generations.

#### **Policies:**

**7.6.1:** Historical, cultural and archaeological resources shall be located and preserved, or mitigated consistent with their intrinsic value.

**7.6.2:** Implement appropriate mitigation measures to conserve cultural resources that are uncovered during excavation and construction activities.

**7.6.3:** Minimize damage to the integrity of historic structures when they are altered.

**7.6.4:** Encourage restoration and adaptive reuse of historical buildings worthy of preservation.

**7.6.5:** Encourage documentation of historic buildings when such buildings must be demolished (City of Moreno Valley 2006: 9-37).

#### **METHODS**

HELIX submitted a record search request of all previously recorded cultural resources, archaeological studies, and historic addresses within the project area and a one-mile radius to the Eastern Information Center (EIC) on March 4, 2016. This was received on March 24, 2016 and is attached to this report as Confidential Appendix A. Historic aerial photographs ranging from 1966 to 2012 (NETR Online 2016) and historic topographic maps were reviewed to assess historic land usage and the potential for historic archaeological resources. A Sacred Lands File search was requested from the Native American Heritage Commission (NAHC) on March 4, 2016.



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HELIX archaeologists Nicole Falvey and Mary Villalobos and Native American monitor Billy Swan from the Soboba Band of Luiseño Indians surveyed the property on March 25, 2016. The survey was conducted in parallel transects spaced 15 meters (m) apart across the project site; all areas of visible soil, including rodent backfill piles, were carefully examined for cultural resources.

## RESULTS

A record search of the project area and a one-mile radius from the EIC indicated that eight cultural resources had been recorded within the search radius (see Table 1). One resource (P-33-023936) was mapped within the project property. This resource is a historic period alfalfa farm that encompasses the property adjacent to the project area on the east as well as the southeastern corner of the project area. One feature from this site is located in the project area: the remnants of a grain loading dock from the Barron/Lantz Holdings, tentatively dated for use between 1948 and 1970 (McKenna 2014a). The following description of the feature is from the site record. The “project area” referred to is immediately east of the TPM 36760 project area.

This wooden structure consists of two walls oriented at 90 degree angles (south and west sides) and two earthen embankments (north and east sides). The wooden walls are fashioned with a series of upright and lateral beams to the exterior and supplemental planks lining the inside of the structure. The structure is finished with an earthen core, creating a platform supported by the wooden walls. The walls are approximately four feet high. The tops of the walls are covered with cut truck tires, forming a buffer to protect the cap of the walls.

McKenna et al. has interpreted this structure as a loading dock associated with the harvesting of the grains grown by the Barrons and Lantzes (post-1948). The grains would be harvested and taken to this feature on the southern property boundary, loaded into the hauling truck(s), and carried off the property along the Santiago Drive access route. The hauling truck would back up to the structure and the tires used to cap the walls would protect the structure from damage, should the truck "bump" the structure.

Although located outside the project area, McKenna et al. has recorded this feature as part of the larger holdings of Henry and Emile Barrow (approximately 20 acres). This property, in turn, was also part of the larger holdings of Camillo and Francis Martin (pre-1892-1912). Despite the recording of this historic property, McKenna et al. has also concluded the property is not a significant resource. It fails to meet any of the four criteria for consideration as a historical resource worthy of listing on any of the applicable registries. The property is not associated with any significant event, person, architectural feature or sensitive for archaeological resources [McKenna 2014a:6-7].

Of the other resources in the search radius, two are prehistoric isolates (P-33-017967 and -015301), and the remaining five are historic. These include three structures associated with the March Village Medical Campus (P-33-017968, -017969, and -017970), one historic

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residence (P-33-007290), and one historic site (P-33-024195) consisting of the Brown-Bridges farm and associated materials.

Site (P-33-#)	Site Type	Recorder, Date
023936	Flat, open farmland once under alfalfa. Loading dock located in western half. Currently bisected by the modern California Aqueduct. Site boundaries defined by property definition and ownership history. CA-RIV-11757	McKenna, 2014
007290	Historic residence	Warner, 1983
015301	Prehistoric pestle isolate	Chandler, 2005
017967	Prehistoric mano isolate	McKenna, 2008
017968	March Village Medical Campus Works Progress Administration (WPA) Canal	McKenna, 2008
017969	March Village Medical Campus Building 768	McKenna, 2008
017970	March Village Medical Campus Building 755	McKenna, 2008
024195	Historic Brown-Bridges farm and associated material remains (privy/dump/trash scatter, multiple family property, farm/ranch)	McKenna, 2015

The EIC has a record of 18 cultural resource studies that have been conducted within the search radius, one of which covered a portion of the project. This study (Foster et al. 1991) was a cultural resource field survey for The Metropolitan Water District of Southern California and followed the California Pipeline that runs along the eastern perimeter of the project area. No resources were recorded within the project area during this study. Two studies were conducted adjacent to the project area, one immediately east (McKenna 2014b) and one across Santiago Drive to the south (McKenna et al. 2005). Both consisted of a field survey and the former recorded one historic resource (P-33-023936, as addressed above).

A review of historic aerial photographs revealed that the project property was used as agricultural fields from 1966 to at least 2012; no earlier historic aerial photographs were

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available for review. No structures are visible on site in historic topographic maps from 1901 (Elsinore 30') and 1943 (Perris 15'), nor do any appear on the property in historic aerial photographs (NETR Online 2016). Indian Street, Perris Boulevard, Iris Avenue (to the south), and Eschscholtzia Avenue (to the north, renamed John F Kennedy Drive) are present in the 1901 topographic map. By the 1966 aerial photograph, structures are located just south of the property at the modern location of residential houses on Emma Lane.

The Sacred Lands File search results were received from the NAHC on March 8, 2016. The search was negative for any sacred lands within the project vicinity. Letters were sent to the tribal contacts indicated by the NAHC in April 2016. The applicant and the City of Moreno Valley will be kept apprised of any tribal responses.

The field survey was conducted on March 25, 2016. The property consisted of a flat, open field. Visibility was good overall, with areas of poor to no visibility where Russian thistle obscured the ground, particularly in the west and southwest. Other vegetation included seasonal grasses and forbs such as wild oats, rigput brome, and nettle. All visible soil was brown alluvium sandy silt. The entire property is scarred by tractor marks, and modern trash was scattered throughout, collecting in piles around the western and southern perimeters. The loading dock feature (P-33-023936) recorded by McKenna (2014) was observed in the southeastern corner of the project area along the southern perimeter. It was covered in modern trash and had modern tire rubber attached over the tops of the wooden posts that constitute the walls. As noted in the site record, it did not appear to be architecturally, aesthetically, or historically significant. No other historic and no cultural resources were observed.

## CONCLUSIONS

A cultural resources survey was conducted by HELIX for the Moreno Valley Tentative Tract Map 36760 project including a record search, a review of historic maps and aerial photographs, a Sacred Lands File search, tribal outreach, an intensive field survey, and this letter report. The record search revealed eight previously recorded cultural resources within a one-mile radius of the property. The current survey did not identify any cultural resources within the project area other than the previously recorded historic feature, which is not a significant resource. Therefore, no impacts to cultural resources are anticipated.

However, the project site is in alluvial soils, where there is a potential for buried cultural resources. Based on this, it is recommended that an archaeological and Native American monitoring program be implemented. The monitoring program would include attendance by the archaeologist and Native American monitor at a preconstruction meeting with the grading contractor and the presence of archaeological and Native American monitors during initial ground-disturbing activities on site. Both archaeological and Native American monitors would have the authority to temporarily halt or redirect grading and other ground-disturbing activity in the event that cultural resources are encountered. If significant cultural material is encountered, the monitors will coordinate with the applicant and City staff to develop and implement appropriate mitigation measures.

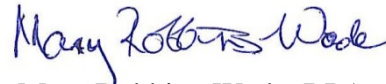
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If you have any questions, please contact Mary Robbins-Wade at (619) 462-1515.



Nicole Falvey  
Staff Archaeologist



Mary Robbins-Wade, RPA  
Director of Cultural Resources  
Southern California

Enclosures:

- Figure 1 Regional Location Map
- Figure 2 Project Vicinity (USGS Topography)
- Figure 3 Project Vicinity (Aerial Photograph)
- Figure 4 Project Plan

Confidential Attachment:

- A Records Search Map

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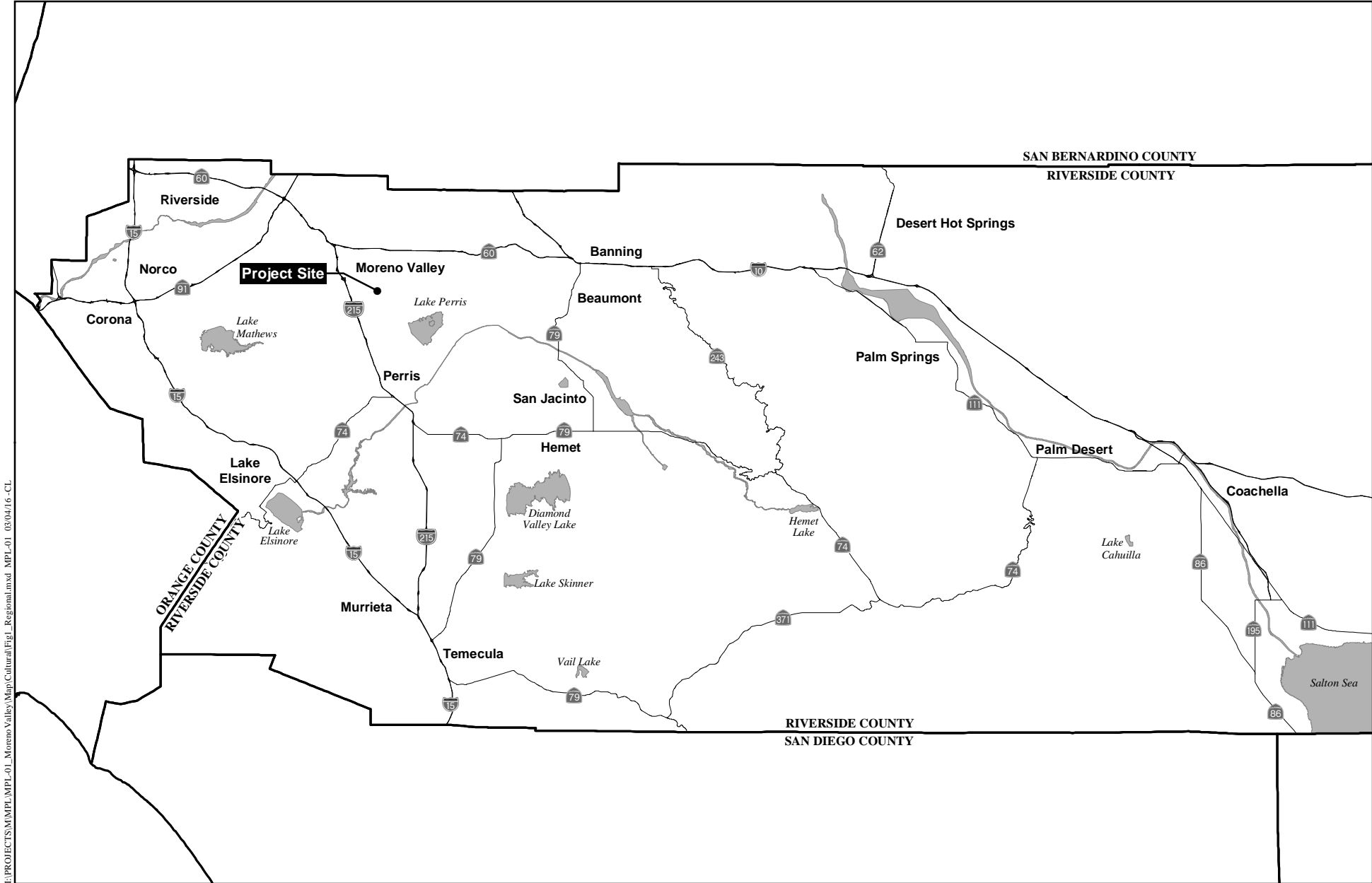
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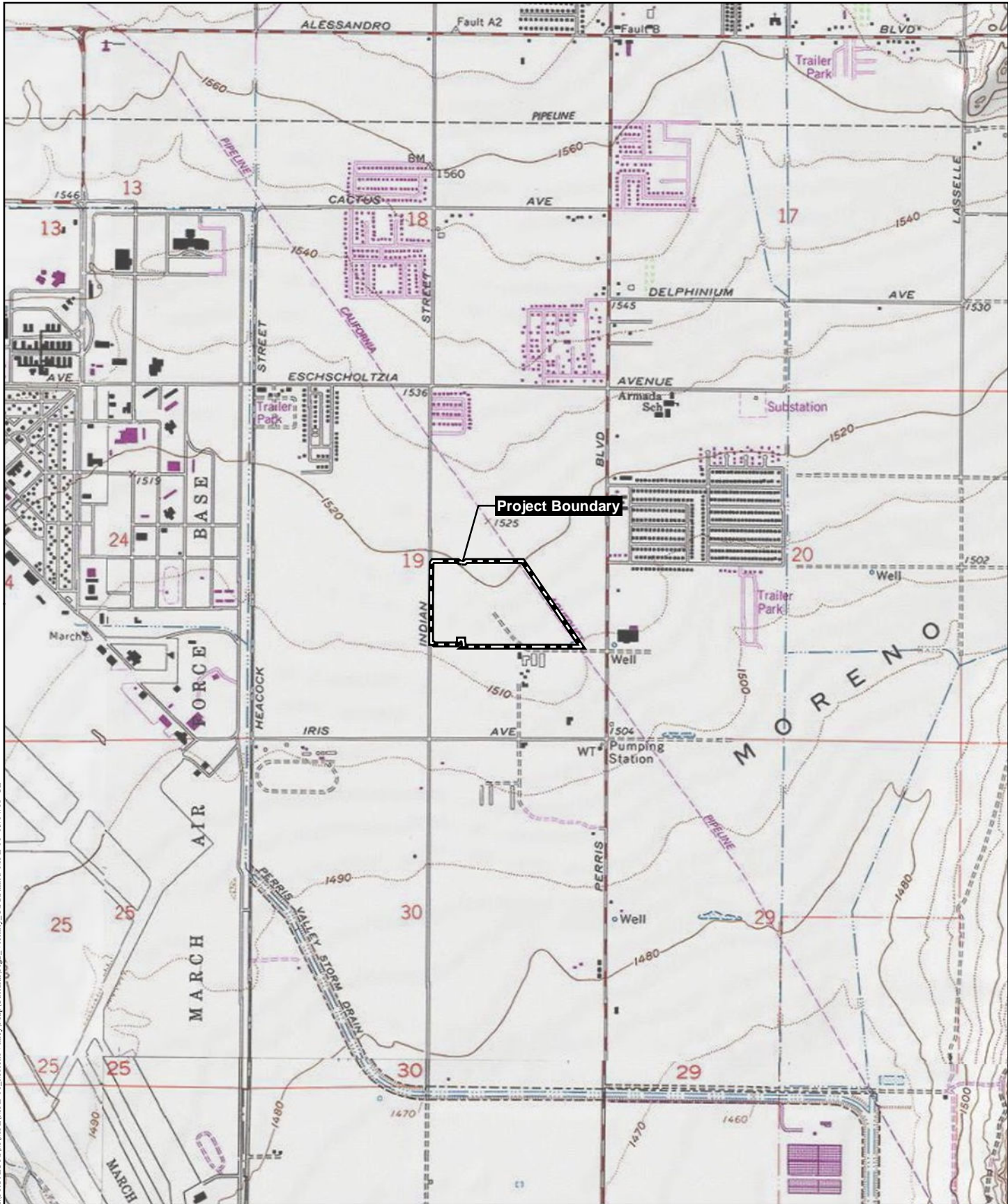
Attachment: Cultural Resource Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

### Regional Location Map

MORENO VALLEY

Figure 1





**Project Vicinity (USGS Topography)**

MORENO VALLEY

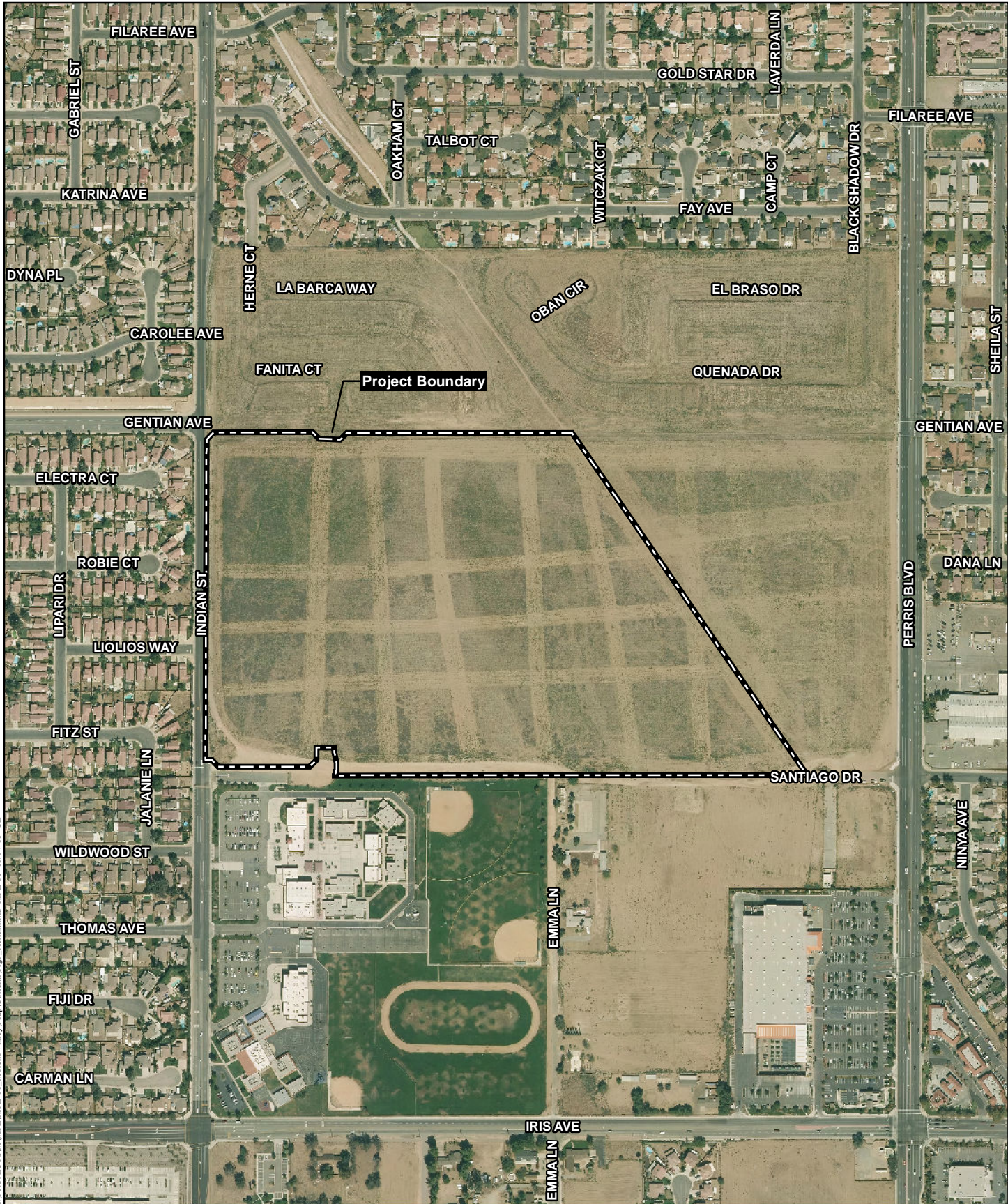
Figure 2



Attachment: Cultural Resource Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

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### Project Vicinity (Aerial Photograph)

MORENO VALLEY

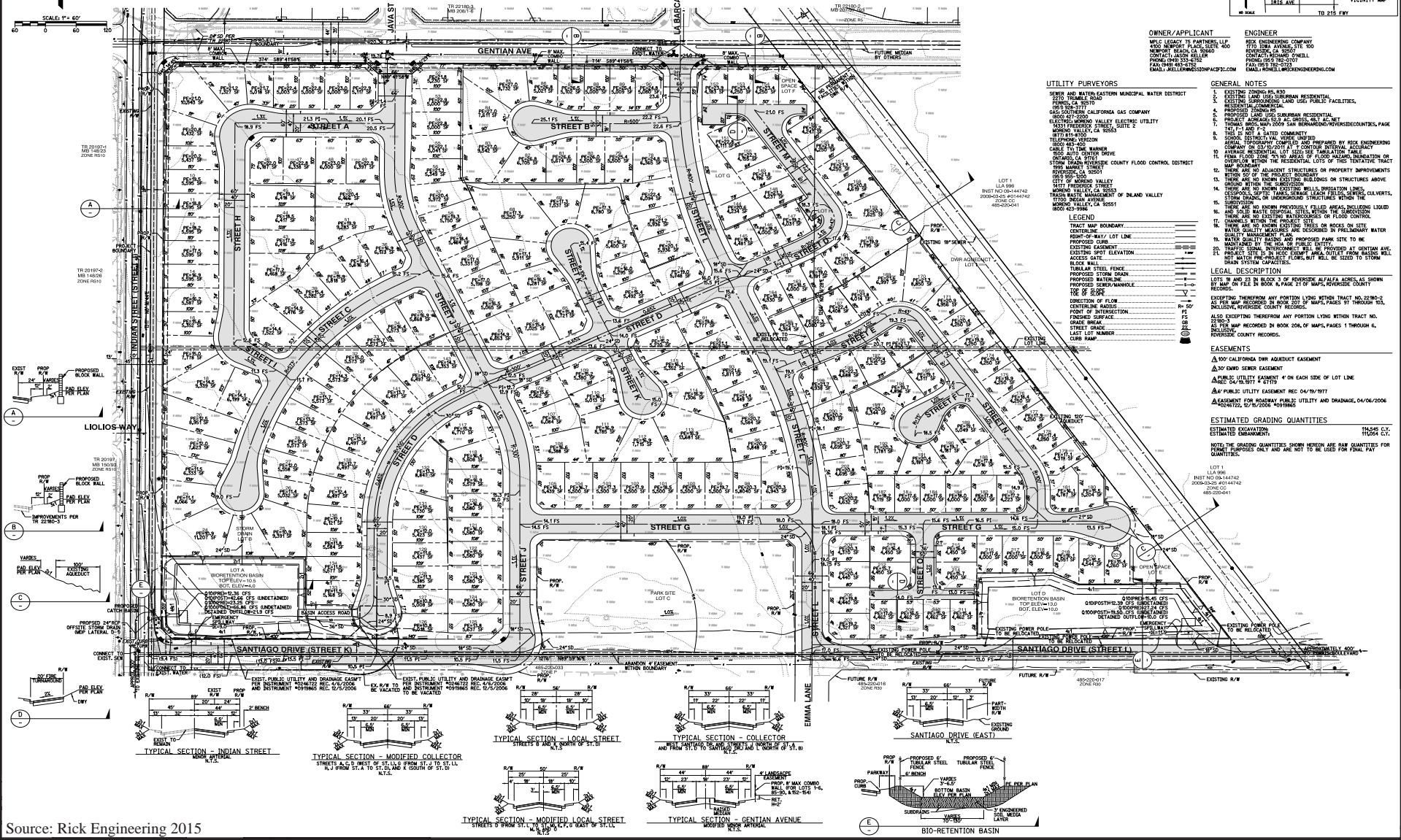
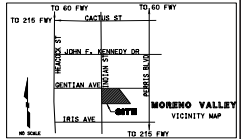


Figure 3

Attachment: Cultural Resource Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



IN THE CITY OF MORENO VALLEY, COUNTY OF RIVERSIDE, STATE OF CALIFORNIA  
**TENTATIVE TRACT 36760**  
**PLANNED UNIT DEVELOPMENT**  
 APN'S: 485-220-023, 485-220-032, 485-220-040  
 AUGUST 28, 2015



**OWNER/APPLICANT**  
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 800-454-4840  
 CABLE TIME WARNER  
 800-454-4840  
 STORM DRAIN RIVERSIDE COUNTY FLOOD CONTROL DISTRICT  
 1505 MARKET STREET  
 RIVERSIDE, CA 92501  
 CITY OF MORENO VALLEY  
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 TRASH MANAGEMENT OF INLAND VALLEY  
 5000 PALM AVENUE  
 MORENO VALLEY, CA 92551  
 800-423-9964 FAX 951-268-5111

**GENERAL NOTES**  
 1. EXISTING ZONING RS-312  
 2. EXISTING SUBMARGINAL LAND USE PUBLIC FACILITIES, RESIDENTIAL COMMERCIAL  
 3. EXISTING ZONING RS-312  
 4. PROPOSED LAND USE SUBMARGINAL RESIDENTIAL  
 5. PROJECT AREA HAS 162 ACRES, NET 147 ACRES  
 6. TOTAL TRACT AREA 1700 SAN BERNARDINO/RIVERSIDE COUNTIES, PAGE 1315, 2015 # 34761 C/000661  
 7. LOTS 14 AND 15 PART 4 5/17/01 CONVEYANCE  
 8. LOTS 14 AND 15 PART 5/17/01 CONVEYANCE  
 9. AVERAGE RESIDENTIAL LOT SIZE SEE TABULATION TABLE  
 10. SEWAGE TREATMENT PLANT AND WASTEWATER TREATMENT OR REUSE PLANT WITHIN THE RESIDENTIAL LOTS OF THIS TENTATIVE TRACT  
 11. THE PROJECT AREA IS SUBJECT TO FLOOD HAZARD ZONATION OR FLOODPLAIN WITHIN THE RESIDENTIAL LOTS OF THIS TENTATIVE TRACT  
 12. THERE ARE NO EXISTING BUILDINGS OR STRUCTURES ABOVE GROUND WITHIN THE PROJECT BOUNDARY  
 13. THERE ARE NO EXISTING BARRIERS OR STRUCTURES ABOVE GROUND WITHIN THE PROJECT BOUNDARY  
 14. THERE ARE NO EXISTING BARRIERS OR STRUCTURES ABOVE GROUND WITHIN THE PROJECT BOUNDARY  
 15. THERE ARE NO EXISTING BARRIERS OR STRUCTURES ABOVE GROUND WITHIN THE PROJECT BOUNDARY  
 16. THERE ARE NO EXISTING BARRIERS OR STRUCTURES ABOVE GROUND WITHIN THE PROJECT BOUNDARY  
 17. CHANGES WITHIN THE PROJECT SITE  
 18. THERE ARE NO EXISTING BARRIERS OR STRUCTURES ABOVE GROUND WITHIN THE PROJECT BOUNDARY  
 19. THERE ARE NO EXISTING BARRIERS OR STRUCTURES ABOVE GROUND WITHIN THE PROJECT BOUNDARY  
 20. THERE ARE NO EXISTING BARRIERS OR STRUCTURES ABOVE GROUND WITHIN THE PROJECT BOUNDARY  
 21. THERE ARE NO EXISTING BARRIERS OR STRUCTURES ABOVE GROUND WITHIN THE PROJECT BOUNDARY  
 22. THERE ARE NO EXISTING BARRIERS OR STRUCTURES ABOVE GROUND WITHIN THE PROJECT BOUNDARY

**LEGEND**  
 TRACT MAP BOUNDARY  
 CENTERLINE  
 RIGHT-OF-WAY/LOT LINE  
 PROPOSED CURB  
 EXISTING EASEMENT  
 EXISTING SPOT ELEVATION  
 ACCESS GATE  
 TUBULAR STEEL FENCE  
 PROPOSED STORM DRAIN  
 PROPOSED WATER LINE  
 PROPOSED SEMP/ANGULAR  
 TOE OF SLOPE  
 DIRECTION OF FLOW  
 CENTERLINE BARRIERS  
 POINT OF INTERSECTION  
 FINISHED SURFACE  
 GRADE BENCH MARK  
 STREET GRADE  
 LAST LOT NUMBER  
 CURB RAMP

**LEGAL DESCRIPTION**  
 LOTS 14 AND 15 IN BLOCK 3 OF PIONEER ALPHA ACRES AS SHOWN BY MAP RECORDED IN BOOK 2507 OF MAPS, PAGES 91 THROUGH 93, INCLUDING RIVERSIDE COUNTY RECORDS.  
 EXCEPTING THEREFROM ANY PORTION LYING WITHIN TRACT NO. 22061-6 AS PER MAP RECORDED IN BOOK 2507 OF MAPS, PAGES 91 THROUGH 93, INCLUDING RIVERSIDE COUNTY RECORDS.  
 ALSO EXCEPTING THEREFROM ANY PORTION LYING WITHIN TRACT NO. 22061-6 AS PER MAP RECORDED IN BOOK 2066 OF MAPS, PAGES 1 THROUGH 6, INCLUDING RIVERSIDE COUNTY RECORDS.

**EASEMENTS**  
 300' CALIFORNIA DWR ADJACENT EASEMENT  
 30' DWR SEWER EASEMENT  
 PUBLIC UTILITY EASEMENT 4' ON EACH SIDE OF LOT LINE  
 AS PER MAP RECORDED IN BOOK 04/19/1977 # 47879  
 40' PUBLIC UTILITY EASEMENT REC. 04/19/1977  
 ASSESSMENT FOR ROADWAY PUBLIC UTILITY AND DRAINAGE, 04/06/2006 #0246762, 02/15/2006 #0398865

**ESTIMATED GRADING QUANTITIES**  
 ESTIMATED EXCAVATION 116,548 C.Y.  
 ESTIMATED EMBANKMENT 110,044 C.Y.

NOTE: THE GRADING QUANTITIES SHOWN HEREIN ARE RAU QUANTITIES FOR POWER LINES ONLY AND ARE NOT TO BE USED FOR FINAL PAY QUANTITIES.



Source: Rick Engineering 2015

Attachment: Cultural Resource Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

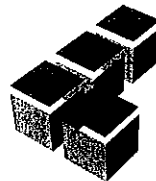
**PRELIMINARY GEOTECHNICAL INVESTIGATION,  
PROPOSED 104-ACRE RESIDENTIAL DEVELOPMENT,  
NORTHWEST OF PERRIS BOULEVARD AND IRIS AVENUE,  
CITY OF MORENO VALLEY, CALIFORNIA**

Prepared for:

**YOUNG HOMES**  
10370 Trademark Street  
Rancho Cucamonga, California 91730

Project No. 021164-001

June 9, 2004



**Leighton and Associates, Inc.**

A LEIGHTON GROUP COMPANY

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,





# Leighton and Associates, Inc.

A LEIGHTON GROUP COMPANY

June 9, 2004

Project No. 021164-001

To: Young Homes  
10370 Trademark Street  
Rancho Cucamonga, California 91730

Attention: Mr. Thomas Owen

Subject: Preliminary Geotechnical Investigation, Proposed 104-Acre Residential Development, Northwest of Perris Boulevard and Iris Avenue, City of Moreno Valley, California

In response to your request, Leighton and Associates, Inc. has conducted a preliminary geotechnical investigation of the proposed residential development to be located northwest of Perris Boulevard and Iris Avenue in the City of Moreno Valley, California. The purpose of our investigation has been to explore the subsurface conditions at the site, to evaluate the general soil characteristics, and to provide preliminary geotechnical recommendations for the design and construction of the proposed improvements.

Based upon our investigation, the proposed development is feasible from a geotechnical viewpoint, provided our recommendations are incorporated in the design and construction of the project. The following report presents our geotechnical findings, conclusions, and preliminary recommendations. Additional geotechnical investigation and analysis may be necessary, based on the actual development plans for submittal with the project grading plans.

We appreciate the opportunity to work with you on this project. If you have any questions, or if we can be of further service, please call us at your convenience.

Respectfully submitted,

LEIGHTON AND ASSOCIATES, INC.



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- Appendix C - Geotechnical Test Pit Logs
- Appendix D - Laboratory Test Results
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## 1.0 INTRODUCTION

### 1.1 Site Location and Project Description

The site is located northwest of Perris Boulevard and Iris Avenue in the City of Moreno Valley, California (see Figure 1, Site Location Map). The project area is bounded on the east by Perris Boulevard and the Home Depot shopping center, on the south by Iris Avenue, on the west by Indian Street and an elementary school, and on the north by vacant land. March Air Reserve Base is approximately one mile west. The East Branch California Aqueduct crosses the eastern portion of the site. The approximately 104-acre flat site is irregular in shape and is currently vacant. Vegetation consists of seasonal grasses, brush, and several scattered small trees.

Based on our review of historic aerial photographs, the site was used for agricultural purposes within the period of at least 1953 to 1980, and was otherwise vacant.

It is our understanding that the intended use of the site is a residential development. Although grading and construction plans are not yet available, we anticipate that minor cuts and fills will be required to attain the desired finish grades. We anticipate the one- and two-story single-family residences will be constructed. A parcel map provided by you was used as the base map for our Geotechnical Map, Figure 2 (rear of text).

### 1.2 Purpose of Investigation

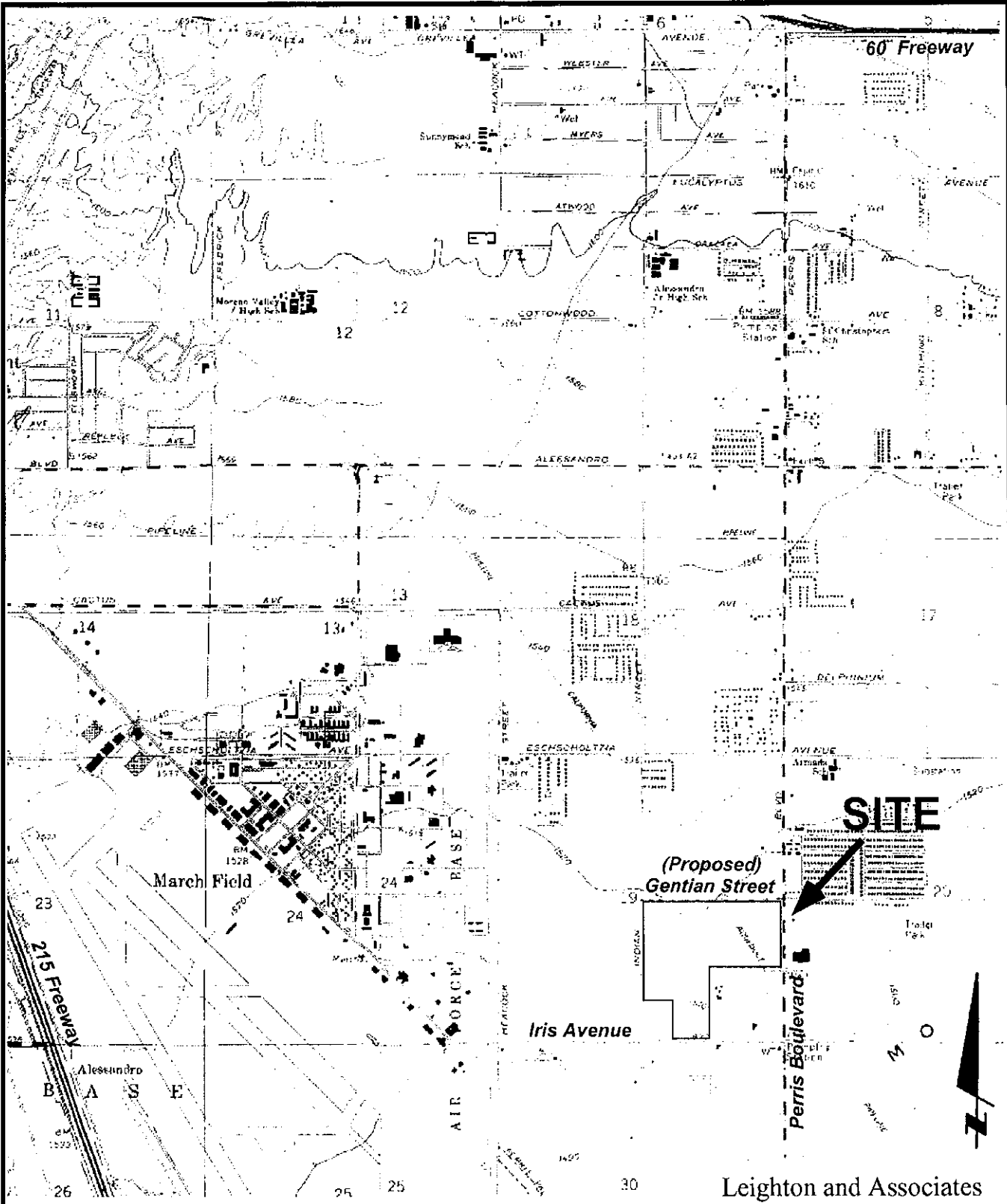
The purpose of this study has been to evaluate the general geotechnical conditions at the site, to identify significant geotechnical or geologic issues that would impact site development, and to provide preliminary geotechnical recommendations for design and construction.

### 1.3 Scope of Investigation

The scope of our investigation has included the following tasks:

- Background Review - A background review of readily available, relevant, in-house geotechnical literature, and aerial photographs was performed.
- Pre-field Investigation Activities - Coordinated with Underground Service Alert (USA) to have existing underground utilities located and marked prior to our subsurface investigation.





**PROPOSED 104-ACRE RESIDENTIAL DEVELOPMENT**  
 NORTHWEST OF PERRIS BOULEVARD AND IRIS AVENUE,  
 City of Moreno Valley, California

**SITE LOCATION MAP**

PROJECT No.  
**021164-001**  
 DATE  
**June, 2004**



**Figure 1**

Leighton and Associates

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



- Field Investigation - Our field investigation consisted of the excavation of borings and test pits as follows:

#### Borings

Eight hollow-stem auger borings were excavated, logged and sampled at representative locations within the site. One boring was excavated to a depth of 51.5 feet and seven borings were excavated to depths of 21.5 feet below the existing ground surface. Each boring was logged by a member of our technical staff. Relatively undisturbed soil samples were obtained at selected intervals within the borings using Standard Penetration Testing and a California Ring Sampler. Logs of the geotechnical borings are presented in Appendix B. Approximate boring locations are shown on the accompanying Geotechnical Map, Figure 2.

#### Test Pits

Eight backhoe test pits were excavated and logged at representative locations within the site to a maximum depth of 5.5 feet below the existing ground surface. Each test pit was logged by a member of our technical staff. Bulk soil samples were obtained from the test pits. Logs of the test pits are presented in Appendix C. Approximate test pit locations are shown on the accompanying Geotechnical Map, Figure 2.

- Laboratory Tests - Laboratory tests were conducted on selected relatively undisturbed and bulk soil samples obtained during our field investigation. The laboratory testing program was designed to evaluate the engineering characteristics of the onsite soil. Results of the laboratory testing are presented in Appendix D. The laboratory tests conducted during this investigation include:
  - In situ moisture content and dry density.
  - Sieve analysis for grain size distribution.
  - Consolidation and hydrocollapse characteristics.
  - Expansion Index.
  - Maximum dry density and optimum moisture content.
  - R-value for pavement recommendations.



Leighton

- Water-soluble sulfate concentration in the soil for cement type recommendations.
- Resistivity, chloride content and pH to evaluate corrosion potential.
- Engineering Analysis - The data obtained from our background review and field exploration was evaluated and analyzed in order to provide the conclusions and preliminary recommendations in the following sections.
- Report Preparation - The results of our geotechnical investigation have been summarized in this report, presenting our findings, conclusions and preliminary recommendations.



## 2.0 FINDINGS

### 2.1 Site Geology

The site is located in the Perris block of the Peninsular Ranges Geomorphic Province of southern California. The Perris block is a structural block bounded on the north by the San Jacinto Fault Zone (located 8 kilometers northeast of the site) and on the south by the Elsinore Fault Zone (located 29 kilometers southwest of the site). These faults have experienced significant activity in the recent geologic past. These and other northwest-trending right lateral strike slip faults dominate the structure of the Peninsular Ranges. Cretaceous igneous rocks of the Southern California Batholith underlie the Peninsular Ranges in this area. Locally, the site vicinity is underlain by older alluvial soil deposits of clay, silt, sand and gravel (SCGS, 1982; Morton, 1978). Bedrock outcrops of quartz diorite are present approximately  $\frac{3}{4}$  mile east of the site.

### 2.2 Subsurface Soil Conditions

Based upon our review of pertinent geotechnical literature, and our subsurface exploration, the site is underlain by alluvial soil deposits. The soil encountered during our subsurface exploration in the upper 15 feet generally consisted of loose to medium dense silty sand to gravelly sand and soft to stiff sandy silt. Below a depth of 15 feet, the soil generally consisted of stiff to very stiff sandy silt to clay. These soils were typically characterized as slightly moist to very moist to the depths excavated. Moisture contents in the upper 10 feet ranged from 2 to 10 percent.

### 2.3 Groundwater

Groundwater was not encountered in any of our borings performed during this investigation to a depth of 51.5 feet. Based on our review of regional groundwater data, groundwater is expected to be on the order of 120 to 140 feet below the ground surface in the site vicinity (CDWR, 2000). However, relatively shallow perched ground water may occur locally (WMWD, 2003).

### 2.4 Faulting and Seismicity

The two principal seismic considerations for most sites in southern California are surface rupture along active fault traces and damage to structures due to seismically-induced ground shaking. An active fault is one that has moved in the Holocene (last 11,000 years). The closest mapped active fault that could affect the site is the San Jacinto (San



Jacinto Valley) fault, located approximately 9 kilometers northeast of the site. The San Jacinto fault is capable of producing a maximum moment magnitude of 6.9 and an average slip rate of 12 millimeter per year (CDMG, 1998). Other known regional active faults that could affect the site include the San Jacinto (San Bernardino), San Andreas, Elsinore, Chino-Central Avenue and Cucamonga faults.

No traces of active or potentially active faults have been observed to cross the project site. The site is not within an Alquist-Priolo Earthquake Fault Zone (CDMG, 2000). The potential for fault ground rupture at the site is considered very low.

Peak Horizontal Ground Accelerations (PHGA) for the site were estimated using a deterministic seismic hazard analysis, based on currently available earthquake and fault information. The analysis computes the site PHGA that could be expected to result from an earthquake on a specific fault using the estimated maximum magnitude earthquake event. PHGA's were estimated using the EQFAULT computer program (Blake, 2000), based on the attenuation relationship by Sadigh et al. (1997). Based on the analysis, the San Jacinto (San Jacinto Valley) Fault Zone is potentially capable of producing the greatest PHGA at the site, due to its proximity, fault type, and its maximum earthquake magnitude of 6.9 ( $M_w$ ). It is estimated that such an earthquake on this fault near the site could produce seismic shaking with a PHGA of 0.32g.

The PHGA was also estimated using a probabilistic seismic hazard analysis. The computer program FRISKSP (Blake, 2000) was used for the analysis. Attenuation relationships used in the computer analysis were developed by Abrahamson and Silva (1997) for soil, Campbell (1997 and 2000) for alluvium, and Sadigh et al. (1997) for deep soil deposits. The analysis indicated an average value of 0.59g for peak horizontal ground acceleration (PHGA) with a 10 percent probability of exceedance in 50 years. The predominant magnitude is approximately 6.8 ( $M_w$ ) at a distance on the order of 10 kilometers.

## 2.5 Secondary Seismic Hazards

### Liquefaction Potential

Liquefaction is the loss of soil strength or stiffness due to a buildup of excess pore-water pressure during strong ground shaking. Liquefaction is associated primarily with loose (low density), granular, saturated soil. Effects of severe liquefaction can include sand boils, excessive settlement, bearing capacity failures, and lateral spreading.



The Generalized Liquefaction Map for Riverside County (2003) indicates the site is located in an area of shallow groundwater with sediments considered highly susceptible to liquefaction. Our exploratory borings indicate that moderately dense soil underlies the site. In addition, regional groundwater data indicates that shallow groundwater conditions do not exist locally, nor have they existed historically. Based on these findings, the potential for liquefaction appears to be low.

#### Seismically Induced Settlement

During a strong seismic event, seismically induced settlement can occur within loose to moderately dense, dry or saturated granular soil. Settlement caused by ground shaking can be nonuniformly distributed, resulting in differential settlement. We have performed analyses to estimate seismically-induced settlement using the simplified method set forth by Tokimatsu and Seed (1987).

Based on this preliminary study, the potential total settlement resulting from seismic loading is estimated to be approximately 1½ inches. Differential settlement resulting from seismic loading is generally assumed to be one-half of the total seismically induced settlement over a distance of 40 feet. Seismic settlement is not considered a geotechnical constraint to the project.

#### 2.6 Compressible and Collapsible Soil

Based on our investigation, the upper 5 to 15 feet of older alluvium is generally considered to be slightly to moderately compressible. Partial removal and recompaction of this material will be necessary to reduce the potential for excessive total and differential settlement of the proposed structures.

Hydrocollapse potential refers to the potential settlement of a soil under existing stresses upon being wetted. Representative samples of the upper 5 to 20 feet of the subsurface soil were tested for hydrocollapse potential. Test results indicate that the near-surface soil onsite has a negligible to minor hydrocollapse potential (1 percent or less).

#### 2.7 Expansive Soils

Representative samples of the subsurface soil were tested for expansion potential. Test results indicate an Expansion Index of 0 to 5. Based on these results and the relatively granular nature of the near-surface soil, the onsite soil generally has a very low expansion potential.



## 2.8 Sulfate Content

Water-soluble sulfates in soil can react adversely with concrete. However, concrete in contact with soil containing sulfate concentrations of less than 0.10 percent are considered to have negligible sulfate exposure (UBC, 1997 edition, Chapter 19).

Near-surface soil samples were tested during this investigation for soluble sulfate content. The results of these tests indicated sulfate contents of less than 0.01 percent by weight, indicating negligible sulfate exposure. As such, the soils exposed at pad grade are not expected to pose a significant potential for sulfate reaction with concrete.

## 2.9 Resistivity, Chloride and pH

Soil corrosivity to ferrous metals can be estimated by the soil's pH level, electrical resistivity, and chloride content. In general, soil having a minimum resistivity less than 2,000 ohm-cm is considered corrosive. Soil with a chloride content of 500 ppm or more is considered corrosive to ferrous metals.

As a screening for potentially corrosive soil, representative soil samples were tested during this investigation to determine minimum resistivity, chloride content, and pH level. The tests indicated a chloride content of 42 ppm, a pH value of approximately 7.0, and a minimum resistivity of 7,000 ohm-cm. Based on the test results, the onsite soil is considered mildly corrosive to buried ferrous metals.





### 3.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon this study, the proposed improvements are feasible from a geotechnical standpoint. The recommendations presented below are preliminary. Additional geotechnical investigation and analysis may be necessary, based on the actual development plans for submittal with the project grading plans.

#### 3.1 General Earthwork and Grading

All grading should be performed in accordance with the General Earthwork and Grading Specifications presented in Appendix D, unless specifically revised or amended below or by future recommendations based on final development plans.

##### Site Preparation

Prior to construction, the site should be cleared of vegetation, trash, and debris. Trees should be removed and grubbed out, and the excavations should be backfilled with compacted fill. Any underground obstructions onsite should be removed. The resulting cavities should be properly backfilled and compacted. Efforts should be made to locate any existing utility lines. Those lines should be removed or rerouted if they interfere with the proposed construction, and the resulting cavities should be properly backfilled and compacted. In addition, any uncontrolled artificial fill, if encountered, should be removed.

##### Overexcavation and Recompaction

To reduce the potential for adverse differential settlement of the proposed structures, the underlying subgrade soil should be prepared in such a manner that a uniform response to the applied loads is achieved. The soil underneath conventional shallow footings should be overexcavated and recompacted to a minimum depth of 3 feet below the bottom of the proposed foundations for residential structures or 3 feet below the existing grade, whichever is deeper. The overexcavation and recompaction should extend a minimum lateral distance of 5 feet from the footings. Local conditions may require that deeper overexcavation be performed; such areas should be evaluated by Leighton and Associates during grading.

Areas outside the overexcavation limits of buildings planned for asphalt or concrete pavement, flatwork, site walls, and retaining walls (less than 6 feet in height), and areas to



receive fill should be overexcavated to a minimum depth of 12 inches below the existing ground surface or 12 inches below the proposed finish subgrade, whichever is deeper.

After completion of the overexcavation, and prior to fill placement, the exposed surfaces should be scarified to a minimum depth of 6 inches, moisture-conditioned to or slightly above optimum moisture content, and recompacted to a minimum 90 percent relative compaction.

#### Fill Placement and Compaction

The onsite soil is suitable for use as compacted structural fill, provided it is free of debris, and oversized material (greater than 8 inches in largest dimension). Any soil to be placed as fill, whether onsite or imported material, should be accepted by Leighton and Associates.

All fill soil should be placed in thin, loose lifts, moisture-conditioned, as necessary, to near optimum moisture content, and compacted to a minimum 90 percent relative compaction as determined by ASTM Test Method D1557. Aggregate base should be compacted to a minimum of 95 percent relative compaction.

#### Shrinkage and Subsidence

The change in volume of excavated and recompacted soil varies according to soil type and location. This volume change is represented as a percentage increase (bulking) or decrease (shrinkage) in volume of fill after removal and recompaction. Subsidence occurs as natural ground is moisture-conditioned and densified to receive fill. Field and laboratory data used in our calculations included laboratory-measured maximum dry densities for soil types encountered at the subject site and the measured in-place densities of soils encountered. We estimate the following earth volume changes will occur during grading:

Shrinkage	Approximately 15 percent
Subsidence	Approximately 0.15 foot

The level of fill compaction, variations in the dry density of the existing soils and other factors influence the amount of volume change. Some adjustments to earthwork volume should be anticipated during grading of the site.



### 3.2 Foundations

Based on our preliminary investigation and our experience in the region, conventional shallow or post-tensioned foundations may be used to support the loads of one- to two-story, frame-type structures. Overexcavation and recompaction of the footing subgrade soil should be performed as detailed in Section 3.1.

#### Conventional Shallow Foundations

Based on our preliminary investigation, the footings for 2-story structures should have an embedment depth of 18 inches, with a minimum width of 24 and 15 inches for isolated and continuous footings, respectively. The footings for 1-story residential structures should have an embedment depth of 12 inches, with a minimum width of 24 and 12 inches for isolated and continuous footings, respectively.

An allowable bearing capacity of 2,000 psf may be used for preliminary design, based on the minimum embedment depth and width. The allowable bearing value may be increased by 300 psf per foot increase in depth or width to a maximum allowable bearing pressure of 3,500 psf. The allowable bearing pressure is for the total dead load and frequently applied live loads.

The soil resistance available to withstand lateral loads on a shallow foundation is a function of the frictional resistance along the base of the footing and the passive resistance that may develop as the face of the structure tends to move into the soil. The frictional resistance between the base of the foundation and the subgrade soil may be computed using a coefficient of friction of 0.35. The passive resistance may be computed using an equivalent fluid pressure of 350 pounds per cubic foot (pcf), assuming there is constant contact between the footing and undisturbed soil.

The allowable bearing pressure and coefficient of friction values may be increased by one third when considering loads of short duration, such as those imposed by wind and seismic forces.

Footing reinforcement should be designed by the structural engineer.

The recommended allowable bearing capacity is generally based on a total allowable, post construction settlement of 1 inch. Differential settlement is estimated at ½ inch over a horizontal distance of 30 feet. Since settlement is a function of footing size and contact bearing pressure, differential settlement can be expected between adjacent columns or walls



where a large differential loading condition exists. These settlement estimates should be reevaluated by Leighton and Associates when foundation plans for the proposed structures become available.

### Post-Tensioned Foundations

As an alternative to conventional spread footings, post-tension foundation systems can be used. Post-tension slab foundations should be designed by the project structural engineer. The following table provides post-tension slab design information for soil with a low expansion potential. Post-tension slabs should be designed in accordance with Section 1816 of the current edition of the UBC.

<b>Post-Tension Foundation Design Recommendations</b>		
<b>Very Low Expansion</b>		
Edge Moisture Variation Distance, $e_m$	Center Lift	5.5 feet
	Edge Lift	3.0 feet
Differential Swell, $Y_m$	Center Lift	1.0 inch
	Edge Lift	0.4 inch
Modulus of subgrade Reaction		120 pci

Exterior footings (thickened edges) should have a minimum depth of 12 inches below the lowest adjacent soil grade and a minimum width of 12 inches. These footings may be designed for a maximum allowable bearing pressure of 2,000 pounds per square foot. The allowable bearing capacity may be increased by one-third for short-term loading.

These recommendations are based on preliminary data. Additional testing of the soil present near finish grade will be conducted to confirm the final foundation design information. Local agencies, the structural engineer or the Uniform Building Code may have requirements that are more stringent.

### 3.3 Slab-On-Grade

Concrete slabs subjected to special loads should be designed by the structural engineer. Where conventional light floor loading conditions exist, the following minimum recommendations, which are based on a very low soil expansion potential, should be used:



- A minimum slab thickness of 4 inches (nominal). Reinforcement steel should be design by the structural engineer, but as a minimum should be No. 3 rebar placed at 24 inches on center. Reinforcement should be supported on “chairs” to position the reinforcement within the middle third of the slab thickness.
- A moisture barrier consisting of 6-mil Visqueen (or equivalent) placed below slabs where moisture-sensitive floor coverings or equipment is planned. The moisture barrier should be covered with a minimum of 2 inches of sand.
- The subgrade soil should be moisture conditioned to at least optimum moisture content to a minimum depth of 12 inches prior to placing the moisture barrier, steel or concrete.

The use of reinforcement or post-tensioned cables in slabs and foundations can generally reduce the potential for concrete cracking. However, minor cracking of the concrete as it cures, due to drying and shrinkage, is normal and should be expected. However, cracking is often aggravated by a high water/cement ratio, high concrete temperature at the time of placement, small nominal aggregate size, and rapid moisture loss due to hot, dry, and/or windy weather conditions during placement and curing. Cracking due to temperature and moisture fluctuations can also be expected. The use of low slump concrete can reduce the potential for shrinkage cracking.

Moisture barriers can retard, but not eliminate moisture vapor movement from the underlying soils up through the slab. Floor covering manufacturers should be consulted for specific recommendations.

### 3.4 Seismic Design Parameters

Seismic parameters presented in this report should be considered during project design. In order to reduce the effects of ground shaking produced by regional seismic events, seismic design should be performed in accordance with the most recent edition of the Uniform Building Code (UBC). The following data should be considered for the seismic analysis of the subject site:



<b>Seismic Design Parameters</b>	
Seismic Source	San Jacinto (San Jacinto Valley) Fault
Distance	Approximately 9 km
Seismic Source Type (UBC, Table 16-U):	B
Seismic Zone Factor, Z (UBC, Table 16-I):	0.4
Soil Profile Type (UBC, 16-J):	S <sub>D</sub>
Near-Source Factor N <sub>a</sub> (UBC, Table 16-S):	1.0
Source Factor N <sub>v</sub> (UBC, Table 16-T):	1.04

### 3.5 Retaining Walls

We recommend that retaining walls be backfilled with onsite, very low expansive soil and constructed with a backdrain in accordance with the recommendations provided on Figure 3 (rear of text). Using expansive soil as retaining wall backfill will result in higher lateral earth pressures exerted on the wall. Based on these recommendations, the following parameters may be used for the design of conventional retaining walls up to 6 feet tall:

<b>Static Equivalent Fluid Weight (pcf)</b>	
Conditions	Level
Active	35
At-Rest	55
Passive	350 (Maximum of 3,500 psf)

The above values do not contain an appreciable factor of safety, so the structural engineer should apply the applicable factors of safety and/or load factors during design.

Cantilever walls that are designed to yield at least  $0.001H$ , where  $H$  is equal to the wall height, may be designed using the active condition. Rigid walls and walls braced at the top should be designed using the at-rest condition.

Passive pressure is used to compute soil resistance to lateral structural movement. In addition, for sliding resistance, a frictional resistance coefficient of 0.35 may be used at the concrete and soil interface. The lateral passive resistance should be taken into account only if it is ensured that the soil providing passive resistance, embedded against the foundation elements, will remain intact with time.



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In addition to the above lateral forces due to retained earth, surcharge due to improvements, such as an adjacent structure or traffic loading, should be considered in the design of the retaining wall. Loads applied within a 1:1 projection from the surcharging structure on the stem of the wall should be considered in the design.

A soil unit weight of 120 pcf may be assumed for calculating the actual weight of the soil over the wall footing.

Retaining wall footings should have a minimum width of 12 inches and a minimum embedment of 12 inches below the lowest adjacent grade. An allowable bearing capacity of 2,000 psf may be used for retaining wall footing design, based on the minimum footing width and depth. This bearing value may be increased by 300 psf per foot increase in width or depth to a maximum allowable bearing pressure of 3,500 psf.

### 3.6 Pavement Design

A representative soil sample tested during this investigation had an R-value of 61. Based on the design procedures outlined in the current Caltrans Highway Design Manual, preliminary flexible pavement section recommendations are presented in the following table for the Traffic Indices indicated. Final pavement design should be based on the Traffic Index determined by the project civil engineer and R-value testing provided near the completion of street grading. These pavement sections meet the City of Moreno Valley's current minimum pavement requirements.

AC PAVEMENT SECTION THICKNESS		
Traffic Index	Asphaltic Concrete (AC) Thickness (feet)	Class 2 Aggregate Base (AB) Thickness (feet)
6 or less	0.30	.040
7	0.35	0.40

If the pavement is to be constructed prior to construction of the structures, we recommend that the full depth of the pavement section be placed in order to support heavy construction traffic.

All pavement construction should be performed in accordance with the Standard Specifications for Public Works Construction. Field inspection and periodic testing, as needed during placement of the base course materials, should be undertaken to ensure that the requirements of the standard specifications are fulfilled. Prior to placement of aggregate base, the subgrade soil should be processed to a minimum depth of 6 inches,



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moisture-conditioned, as necessary, and recompact to a minimum of 90 percent relative compaction. Aggregate base should be moisture conditioned, as necessary, and compacted to a minimum of 95 percent relative compaction.

### 3.7 Temporary Excavations

All temporary excavations, including utility trenches, retaining wall excavations, etc. should be performed in accordance with project plans, specifications and all OSHA requirements.

No surcharge loads should be permitted within a horizontal distance equal to the height of cut or 5 feet, whichever is greater from the top of the slope, unless the cut is shored appropriately. Excavations that extend below an imaginary plane inclined at 45 degrees below the edge of any adjacent existing structure should be properly shored to maintain support of the structure.

Typical cantilever shoring should be designed based on the active fluid pressure presented in the retaining wall section. If excavations are braced at the top and at specific design intervals, the active pressure may then be approximated by a rectangular soil pressure distribution with the pressure per foot of width equal to  $22H$ , where  $H$  is equal to the depth of the excavation being shored.

During construction, the soil conditions should be regularly evaluated to verify that conditions are as anticipated. The contractor should be responsible for providing the "competent person" required by OSHA standards to evaluate soil conditions. Close coordination between the competent person and the geotechnical engineer should be maintained to facilitate construction while providing safe excavations.

### 3.8 Trench Backfill

Utility-type trenches onsite can be backfilled with the onsite material, provided it is free of debris, significant organic material and oversized material. Prior to backfilling the trench, pipes should be bedded and shaded in a granular material that has a sand equivalent of 30 or greater. The sand should extend 12 inches above the top of the pipe. The bedding/shading sand should be densified in-place by jetting. The native backfill should be placed in loose layers, moisture conditioned, as necessary, and mechanically compacted using a minimum standard of 90 percent relative compaction.



### 3.9 Surface Drainage

Surface drainage should be designed to be directed away from foundations and toward approved drainage devices. Irrigation of landscaping should be controlled to maintain, as much as possible, a consistent moisture content sufficient to provide healthy plant growth without overwatering.

### 3.10 Cement Type and Corrosion Protection

Based on the results of laboratory testing, concrete structures in contact with the onsite soil will have negligible exposure to water-soluble sulfates in the soil. Common Type II cement may be used for concrete construction onsite and the concrete should be designed in accordance with Table 19-A-4 of the Uniform Building Code.

Based on our laboratory testing, the onsite soil is considered mildly corrosive to ferrous metals. The corrosion information presented in this report should be provided to your underground utility subcontractors.

### 3.11 Additional Geotechnical Investigation and Services

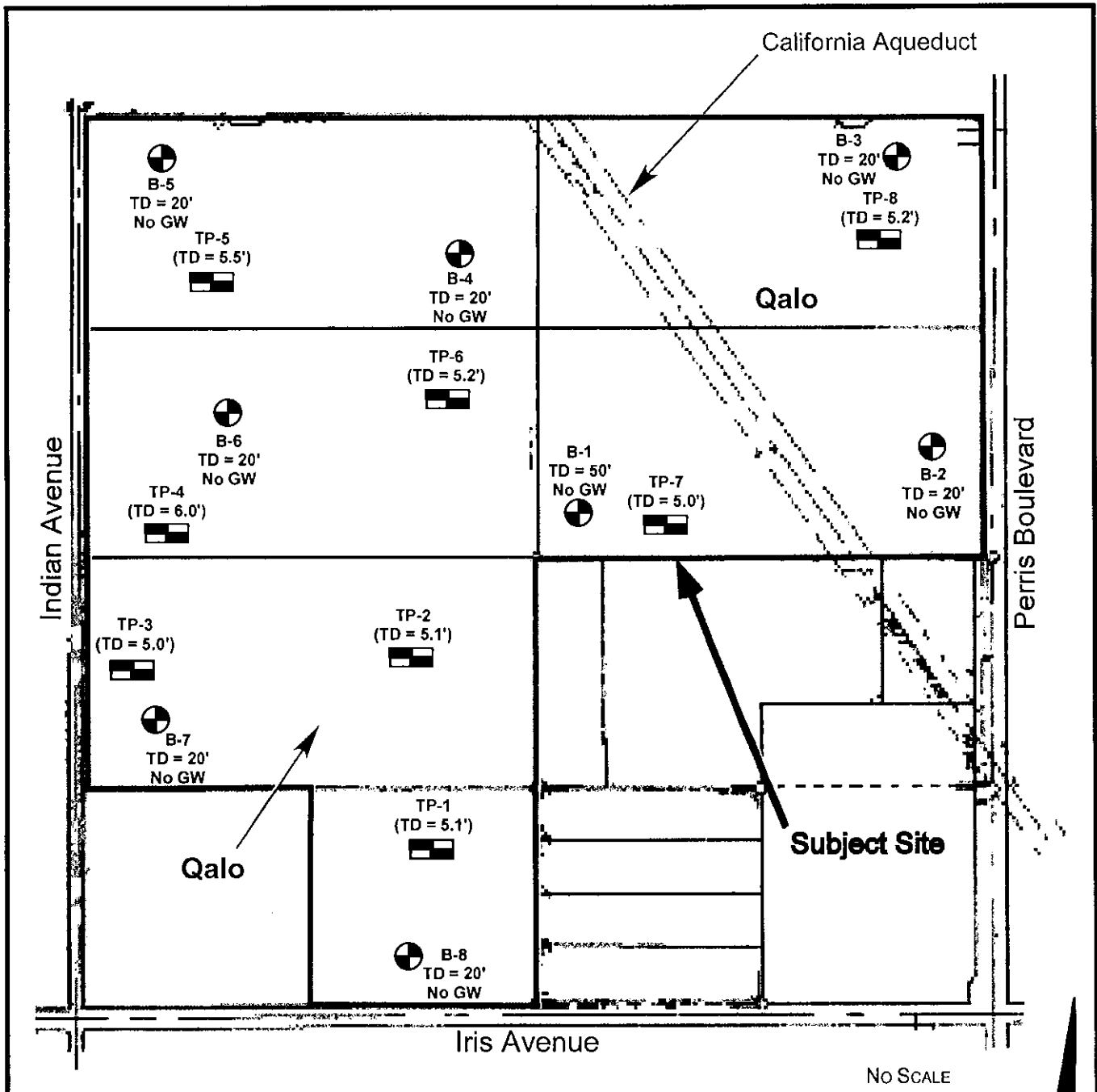
The preliminary geotechnical recommendations presented in this report are based on subsurface conditions as interpreted from limited subsurface explorations and limited laboratory testing. Our preliminary geotechnical recommendations provided in this report are based on information available at the time the report was prepared and may change as plans are developed. Additional geotechnical investigation and analysis may be required based on final development plans. Leighton and Associates should review the site and grading plans when available and comment further on the geotechnical aspects of the project. Geotechnical observation and testing should be conducted during excavation and all phases of grading operations. The conclusions and preliminary recommendations presented herein should be reviewed and verified by Leighton and Associates during construction and revised accordingly if geotechnical conditions encountered vary from our preliminary findings and interpretations. Geotechnical observation and testing should be provided:

- After completion of site clearing.
- During overexcavation of compressible soil.
- During compaction of all fill materials.





- After excavation of all footings and prior to placement of concrete.
- During utility trench backfilling and compaction.
- During pavement subgrade and base preparation.
- When any unusual conditions are encountered.





**LEGEND:**

 TP-8 Approximate Test Pit Location  
 TD = 5.8' Total Depth of Test Pit


 B-8 Approximate Boring Location  
 TD = 20' Total Depth of Boring  
 No GW No Groundwater Encountered

**Qalo** Older alluvial soil deposits

**PROPOSED 104-ACRE RESIDENTIAL DEVELOPMENT**  
 NORTHWEST OF PERRIS BOULEVARD AND IRIS AVENUE,  
 City of Moreno Valley, California

# GEOTECHNICAL MAP

PROJECT No.  
021164-001  
 DATE  
June, 2004

  
 Figure 2

Attachment: Geotechnical Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

## APPENDIX A

References

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#### Aerial Photographs Reviewed

<u>Date</u>	<u>Flight</u>	<u>Frame</u>	<u>Agency</u>
10/16/1959	R 10165 9	33 and 34	RCFCD
5/24/1974	RCFC 74	234	RCFCD
2/7/1984	RCFC 83	1341	RCFCD



# GEOTECHNICAL BORING LOG B-1

Date 3-31-04 Sheet 1 of 2  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
									Logged By <u>RSB</u> Sampled By <u>RSB</u>
0		N S							<b>ALLUVIUM (Qa)</b>
	5			R-1	5	116.2	10.8	ML	2': TOP: Sandy SILT, yellow brown, slightly moist, soft, fine to medium sand, trace gravel up to 1/16" diameter BOTTOM: Sandy SILT, dark brown, very moist, soft, fine to coarse sand, trace gravel up to 1/16" diameter
	10			R-2	7			SM	5': Silty SAND, dark brown, very moist, loose, fine to coarse sand, trace gravel up to 1/8" diameter
	15			R-3	15	105.7	1.8	SW	10': Gravelly SAND, well graded, light yellow brown, moist to very moist, loose, fine to coarse sand, trace gravel up to 1/4" diameter
	20			R-4	22	124.2	11.2	ML	15': Sandy SILT/Clayey SILT, dark brown, very moist, stiff, fine to medium sand, trace gravel up to 1/8" diameter
	25			S-1	13			CL	20': Sandy CLAY/Silty CLAY, dark brown, very moist, medium stiff to stiff, fine to medium sand
	30			S-2	11			CL	25': Silty CLAY, dark brown, very moist, medium stiff, trace fine sand

SAMPLE TYPES:  
 S SPLIT SPOON  
 R RING SAMPLE  
 B BULK SAMPLE  
 T TUBE SAMPLE

G GRAB SAMPLE  
 SH SHELBY TUBE



## LEIGHTON AND ASSOCIATES, INC.

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

# GEOTECHNICAL BORING LOG B-1

Date 3-31-04 Sheet 2 of 2  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
		N S							Logged By <u>RSB</u> Sampled By <u>RSB</u>
30		•••••		S-3	13			SM ML	30': TOP: Silty SAND, yellow brown, very moist, loose, fine sand BOTTOM: Sandy SILT, yellow brown, very moist, medium stiff to stiff, fine to medium sand, trace gravel up to 1/8" diameter
35		▨▨▨▨▨		S-4	12			ML CL	35': TOP: Sandy SILT, yellow brown, very moist, medium stiff, fine to medium sand, trace gravel up to 1/16" diameter BOTTOM: Sandy CLAY/Silty CLAY, dark brown, very moist, medium stiff, fine to medium sand, trace gravel up to 1/16" diameter
40		▨▨▨▨▨		S-5	14			ML	40': Sandy SILT, yellow brown, very moist, stiff, fine to medium sand, trace gravel up to 1/16" diameter
45		•••••		S-6	27			SM ML	45': TOP: Silty SAND, yellow brown, moist, medium dense, fine to coarse sand, some gravel up to 1/4" diameter BOTTOM: Sandy SILT, yellow brown, moist, very stiff, fine to medium sand, trace gravel up to 1/8" diameter
50		▨▨▨▨▨		S-2	19			ML	50': TOP: Sandy SILT, yellow brown, very moist, stiff, fine to medium sand, trace gravel up to 1/8" diameter BOTTOM: SILT, dark yellow brown, very moist, stiff, some fine
55									Total Depth 50 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil
60									

**SAMPLE TYPES:**  
 S SPLIT SPOON  
 R RING SAMPLE  
 B BULK SAMPLE  
 T TUBE SAMPLE

G GRAB SAMPLE  
 SH SHELBY TUBE



## LEIGHTON AND ASSOCIATES, INC.

Attachment: Geotechnical Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

# GEOTECHNICAL BORING LOG B-2

Date 3-31-04 Sheet 1 of 1  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
									Logged By <u>RSB</u> Sampled By <u>RSB</u>
	0	N							<b>ALLUVIUM (Oal)</b>
	2	S		R-1	8	117.6	5.4	SM ML	2': TOP: Silty SAND, light yellow brown, slightly moist, loose, fine to medium sand, trace gravel up to 1/4" diameter, rootlets BOTTOM: Sandy SILT, dark brown, very moist, medium stiff, fine to coarse sand, trace gravel up to 1/4" diameter
	5			R-2	11			ML SM	5': TOP: Sandy SILT, dark brown, very moist, medium stiff, fine to medium sand, trace gravel up to 1/4" diameter BOTTOM: Silty SAND, dark yellow brown, very moist, loose, fine to coarse sand, trace gravel up to 1/4" diameter
	7			R-3	14	105.3	1.4	SW	7': Gravelly SAND, well graded, light yellow brown, moist to very moist, loose, fine to coarse sand, gravel up to 1" diameter
	10			R-4	21	124.7	8.4	SW SM	10': TOP: Gravelly SAND, well graded, light yellow brown, moist to very moist, medium dense, fine to coarse sand, gravel up to 1/2" diameter BOTTOM: Silty SAND, dark brown, very moist, medium dense, fine to coarse sand, trace gravel up to 1/4" diameter
	15			R-5	35	127.5	10.3	ML CL	15': TOP: Sandy SILT, dark brown, very moist, very stiff, fine to medium sand, trace gravel up to 1/8" diameter BOTTOM: Silty CLAY/Sandy CLAY, dark brown, very moist, very stiff, some fine sand, trace gravel up to 1/8" diameter
	20			R-6	25			SM	20': Silty SAND, yellow brown, very moist, medium dense, fine to coarse sand, gravel up to 1/4" diameter
	25								Total Depth 20 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil
	30								

SAMPLE TYPES:  
 S SPLIT SPOON                      G GRAB SAMPLE  
 R RING SAMPLE                      SH SHELBY TUBE  
 B BULK SAMPLE  
 T TUBE SAMPLE



## LEIGHTON AND ASSOCIATES, INC.

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

# GEOTECHNICAL BORING LOG B-3

Date 3-31-04 Sheet 1 of 1  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
		N S							Logged By <u>RSB</u> Sampled By <u>RSB</u>
0									<u>ALLUVIUM (Oal)</u>
	5			R-1	18	107.9	4.2	ML	2': Sandy SILT, dark yellow brown, slightly moist, stiff, fine to medium sand, trace gravel up to 1/8" diameter, porosity 3%, rootlets
	10			R-2	12			SM	5': Silty SAND, yellow brown, slightly moist to moist, loose, fine to medium sand, trace gravel up to 1/4" diameter
	15			R-3	17			CL	10': Sandy CLAY/Silty CLAY, dark brown, very moist, stiff, some fine sand, trace gravel up to 1/8" diameter
	20			S-1	17			ML	15': Sandy SILT, dark brown, moist to very moist, stiff, fine to medium sand
	25			S-2	8			SM	20': Silty SAND, yellow brown, very moist, loose, fine to coarse sand, some gravel up to 1/4" diameter
30									Total Depth 20 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil

**SAMPLE TYPES:**

- S SPLIT SPOON
- R RING SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE

- G GRAB SAMPLE
- SH SHELBY TUBE



## LEIGHTON AND ASSOCIATES, INC.

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

# GEOTECHNICAL BORING LOG B-4

Date 3-31-04 Sheet 1 of 1  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
		N S							Logged By <u>RSB</u> Sampled By <u>RSB</u>
0				R-1	15	116.6	2.7	SW	<u>ALLUVIUM (Qal)</u> 2': Gravelly SAND, well graded, yellow brown, slightly moist to moist, loose, fine to coarse sand, gravel up to 1/4" diameter
5			R-2	10	103.5	1.1	SW	5': Gravelly SAND, well graded, yellow brown, slightly moist to moist, loose, fine to coarse sand, gravel up to 1/2" diameter	
10			R-3	16	103.5	1.6	SW	7': Gravelly SAND, well graded, yellow brown, slightly moist, loose, fine to coarse sand, gravel up to 1/2" diameter	
15			R-5	33			SM	15': Silty SAND, dark brown, very moist, medium dense, fine to coarse sand, trace gravel up to 1/4" diameter	
20			R-6	36			ML CL	20': TOP: Sandy SILT/Clayey SILT, dark brown, very moist to wet, very stiff, fine to medium sand, trace gravel up to 1/4" diameter BOTTOM: Sandy CLAY/Silty CLAY, dark red brown, very moist, very stiff, fine to medium sand, trace gravel up to 1/4" diameter	
25									Total Depth 20 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil
30									

**SAMPLE TYPES:**

- S SPLIT SPOON
- R RING SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE
- G GRAB SAMPLE
- SH SHELBY TUBE



**LEIGHTON AND ASSOCIATES, INC.**

Attachment: Geotechnical Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



# GEOTECHNICAL BORING LOG B-5

Date 3-31-04 Sheet 1 of 1  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
	0	N S							Logged By <u>RSB</u> Sampled By <u>RSB</u>
	2	●		R-1	8	109.5	6.8	ML	<u>ALLUVIUM (Qal)</u> 2': Sandy SILT, dark brown, very moist, medium stiff, fine to coarse sand, trace gravel up to 1/8" diameter
	5	●		R-2	10			SM	5': Silty SAND, yellow brown, highly moist, loose, fine to medium sand, trace gravel up to 1/4" diameter
	10	●		R-3	22			SW	10': SAND, well graded, light brown, very moist, medium dense, fine to coarse sand, gravel up to 1/8" diameter, some fines
	15	●		S-1	13			SM	15': Silty SAND, dark brown, very moist to wet, loose, fine to medium sand, trace gravel up to 1/8" diameter
	20	▨		S-2	50/3"			CL	20': Sandy CLAY/Silty CLAY, dark brown, very moist, hard, fine to medium sand, some black stain
	25								Total Depth 20 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil
	30								

**SAMPLE TYPES:**

- |               |                |
|---------------|----------------|
| S SPLIT SPOON | G GRAB SAMPLE  |
| R RING SAMPLE | SH SHELBY TUBE |
| B BULK SAMPLE |                |
| T TUBE SAMPLE |                |



## LEIGHTON AND ASSOCIATES, INC.

Attachment: Geotechnical Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

# GEOTECHNICAL BORING LOG B-6

Date 3-31-04 Sheet 1 of 1  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
		N S							Logged By <u>RSB</u> Sampled By <u>RSB</u>
0									<b>ALLUVIUM (Qal)</b>
	5			R-1	12	112.0	4.3	ML	2': Sandy SILT, yellow brown, slightly moist to moist, medium stiff, fine to medium sand, trace gravel up to 1/8" diameter
	5			R-2	22	114.7	1.7	SM	5': Silty SAND, yellow brown, slightly moist to dry, medium dense, fine to coarse sand, with gravel up to 1/4" diameter
	5			R-3	13			SW	7': Gravelly SAND, well graded, yellow brown, slightly moist to dry, loose, fine to coarse sand, gravel up to 1/4" diameter
10				R-4	31	117.7	5.3	ML	10': Sandy SILT, dark brown, moist to very moist, very stiff, fine sand
15				R-5	20			ML SM	15': TOP: Sandy SILT, dark brown, moist to very moist, stiff, fine to medium sand, trace gravel up to 1/8" diameter BOTTOM: Silty SAND, dark brown, very moist, medium dense, fine to medium sand, trace gravel up to 1/8" diameter
20				R-6	23			SW CL	20': TOP: Gravelly SAND, well graded, dark yellow brown, very moist, medium dense, fine to coarse sand, gravel up to 1/2" diameter BOTTOM: Silty CLAY, olive brown, very moist, stiff, trace fine sand
25									Total Depth 20 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil
30									

**SAMPLE TYPES:**  
 S SPLIT SPOON  
 R RING SAMPLE  
 B BULK SAMPLE  
 T TUBE SAMPLE

G GRAB SAMPLE  
 SH SHELBY TUBE



## LEIGHTON AND ASSOCIATES, INC.

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

# GEOTECHNICAL BORING LOG B-7

Date 3-31-04 Sheet 1 of 1  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
		N S							Logged By <u>RSB</u> Sampled By <u>RSB</u>
0								SM	<u>ALLUVIUM (Oal)</u>
	5			R-1	13	120.7	3.4	SM	2': Silty SAND, dark brown, moist, loose, fine to coarse sand, with gravel up to 1/8" diameter
	10			R-2	11	109.9	1.6	SW	5': Gravelly SAND, well graded, yellow brown, very moist, loose, fine to coarse sand, gravel up to 1/4" diameter, some fines
	15			R-3	19			SW	10': Gravelly SAND, well graded, light yellow brown, slightly moist to moist, medium dense, fine to coarse sand, gravel up to 1/2" diameter
	20			S-1	13			CL	15': CLAY, dark brown, very moist, medium stiff to stiff, some silt, trace fine sand
	25			S-2	17			CL	20': Silty CLAY, dark brown, very moist, stiff, some fine sand
30									Total Depth 20 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil

**SAMPLE TYPES:**  
 S SPLIT SPOON                      G GRAB SAMPLE  
 R RING SAMPLE                      SH SHELBY TUBE  
 B BULK SAMPLE  
 T TUBE SAMPLE



## LEIGHTON AND ASSOCIATES, INC.

Attachment: Geotechnical Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

# GEOTECHNICAL BORING LOG B-8

Date 3-31-04 Sheet 1 of 1  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
		N S							Logged By <u>RSB</u> Sampled By <u>RSB</u>
0		[Graphic Log: 0-2' interval]		R-1	13	115.7	2.6	SM	<u>ALLUVIUM (Qa)</u> 2': Silty SAND, yellow brown, slightly moist, loose, fine sand, trace gravel up to 1/8" diameter
5		[Graphic Log: 2-5' interval]		R-2	13	114.4	1.6	SW	5': Gravelly SAND, well graded, yellow brown, slightly moist, loose, fine to coarse sand, gravel up to 1/4" diameter, trace fines
10		[Graphic Log: 5-7' interval]		R-3	11			SP	7': SAND, poorly graded, yellow brown, slightly moist to moist, loose, fine to medium sand, trace gravel up to 1/8" diameter, trace fines
15		[Graphic Log: 7-10' interval]		R-4	18			SM	10': Silty SAND, dark yellow brown, very moist, medium dense, fine sand, trace gravel up to 1/8" diameter
20		[Graphic Log: 10-15' interval]		R-5	20			SW CL	15': TOP: Gravelly SAND, yellow brown, very moist, medium dense, fine to coarse sand, gravel up to 1/8" diameter BOTTOM: Silty CLAY, dark brown, very moist to wet, stiff
25		[Graphic Log: 15-20' interval]		R-6	23			CL	20': CLAY, dark brown, very moist to wet, stiff, some fine sand, trace gravel up to 1/16" diameter
30									Total Depth 20 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil

SAMPLE TYPES:  
 S SPLIT SPOON                      G GRAB SAMPLE  
 R RING SAMPLE                      SH SHELBY TUBE  
 B BULK SAMPLE  
 T TUBE SAMPLE



## LEIGHTON AND ASSOCIATES, INC.

Attachment: Geotechnical Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

Young Homes / Moreno Valley  
Project No. 021164-001

Logged by: MM

Sampled by: MM

**Test Pit TP-1**

Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results		
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry)pcf
0	1.1	SM	Silty SAND, light gray brown, dry, dense, fine to medium grain sand, rootlets (tilled)	Afu			
1.1	2.6	SM	Silty SAND, dark brown, slightly moist, medium dense, fine to coarse grain sand, porous to 1% up to 1/8" in diameter, some rootlets	Qal	Bag-1	2.5'	10.1
2.6	5.1	SW	Sand with gravel, light brown, dry to slightly moist, loose, fine to coarse grain sand, gravel up to 1/4", no apparent porosity	Qal		5.1	2.2
Total Depth (ft): 5.1							
No ground water encountered.							
Test pit backfilled, wheel rolled at surface.							

**Test Pit TP-2**

Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results		
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry)pcf
0	1.6	SM	Silty SAND, light gray, dry, dense, fine to medium sand, rootlets (tilled)	Afu			
1.6	3.3	SM	Silty SAND, dark olive brown, slightly moist, medium dense, fine to medium grain with some coarse grain sand, porous to < 1% up to 1/8" in diameter, some rootlets	Qal	Bag-1	2	4.5
3.3	4	SP	SAND, dark brown, slightly moist, very dense, medium to coarse grain sand	Qal			
4	5.1	SW	SAND with gravel and some silt, light brown, dry to slightly moist, loose, fine to coarse grain sand, gravel up to 1/4", porous to < 0.5% up to 1/16" in diameter	Qal		5.1	4.1
Total Depth (ft): 5.1							
No ground water encountered.							
Test pit backfilled, wheel rolled at surface.							

**Test Pit TP-3**

Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results		
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry)pcf
0	1.3		Fill - weathered alluvium (tilled)	Afu			
1.3	3	SW	SAND with some gravel and thin layers of silt, light to dark brown, slightly moist, dense to medium dense, fine to coarse grain sand with fine gravel, porous to < 1% up to 1/8" in diameter	Qal	Bag-1	2.3	3.6
3	5	SP	SAND, light to dark brown, slightly moist, medium dense to loose, medium to coarse grain sand with some fine gravel, no apparent porosity	Qal		5	3.4
Total Depth (ft): 5.0							
No ground water encountered.							
Test pit backfilled, wheel rolled at surface.							

Young Homes / Moreno Valley  
Project No. 021164-001

Logged by: MM

Sampled by: MM

## Test Pit TP-4

Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry) pfc	Moisture %
0	1.6		Fill - weathered alluvium (tilled)	Afu				
1.6	6	SM	Silty SAND, light brown, slightly moist, medium dense, fine to coarse grain sand, porous to < 0.5% up to 1/16" in diameter	Qal	Bag-1	2.5	4.1	
				Qal		6		5.8
Total Depth (ft): 6.0								
No ground water encountered.								
Test pit backfilled, wheel rolled at surface.								

## Test Pit TP-5

Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry) pfc	Moisture %
0	1.4		Fill - weathered alluvium (tilled)	Afu				
1.4	3.2	SM	Silty SAND, light brown, dry to slightly moist, dense to medium dense, fine to coarse grain sand, thin layers of dark silt, porous to < 0.5% up to 1/16" in diameter, rootlets	Qal	Bag-1	2.5	2.6	
3.2	5.5	SW		Qal		5.5		3.3
Total Depth (ft): 5.5								
No ground water encountered.								
Test pit backfilled, wheel rolled at surface.								

## Test Pit TP-6

Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results			
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry) pfc	Moisture %
0	1.8		Fill - weathered alluvium (tilled)	Afu				
1.8	4.1	SM	Silty SAND, dark brown, slightly moist, medium dense, fine to coarse grain sand, porous to < 1% up to 1/8" in diameter, some rootlets	Qal	Bag-1	2.5	6.1	
4.1	5.2	SW		Qal		5.2		3.6
Total Depth (ft): 5.2								
No ground water encountered.								
Test pit backfilled, wheel rolled at surface.								



Young Homes / Moreno Valley  
Project No. 021164-001

Logged by: MM

Sampled by: MM

## Test Pit TP-7

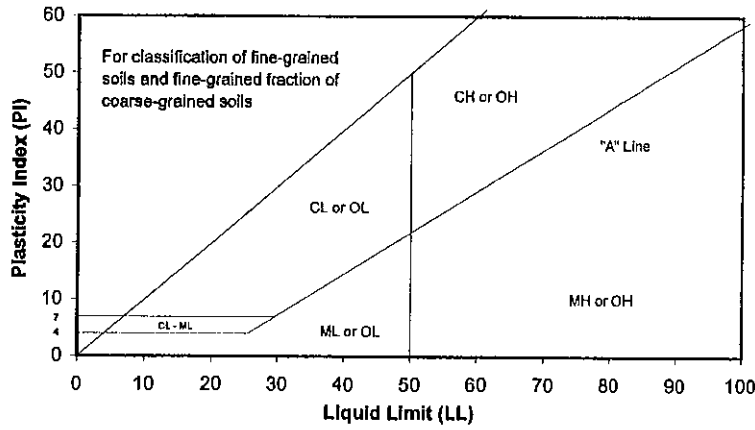
Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results		
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry)pcf
0	1.5		Fill - weathered alluvium (tiled)	Afu			
1.5	3.3	SM	Silty SAND, dark brown, dry to slightly moist, medium dense, fine to coarse grain sand, porous to <0.5% up to 1/16" in diameter	Qal	Bag-1	3	2.9
3.3	5	SW	Gravelly SAND, light brown, dry to slightly moist, loose, fine to coarse grain sand and fine gravel, no apparent porosity	Qal		5	3.3
Total Depth (ft): 5.0							
No ground water encountered.							
Test pit backfilled, wheel rolled at surface.							

## Test Pit TP-8

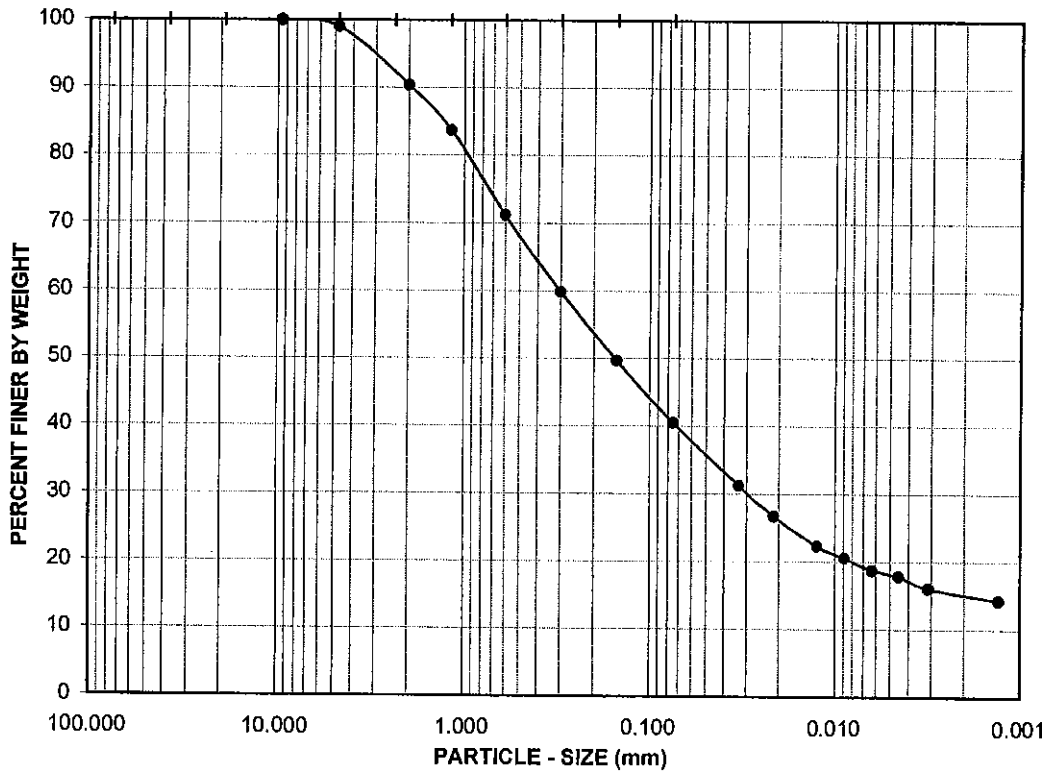
Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results		
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry)pcf
0	1.5		Fill - weathered alluvium (tiled)	Afu			
1.5	4.5	SM	Silty SAND with some gravel, light to dark brown, dry to slightly moist, medium dense, fine to coarse grain sand and fine gravel, porous to < 1% up to 1/16" in diameter, some rootlets	Qal	Bag-1	2.3	3.9
4.5	5.2	SW	SAND with some gravel, light brown, dry to slightly moist, medium dense to loose, fine to coarse grain sand and fine gravel, no apparent porosity	Qal		5.2	3.5
Total Depth (ft): 5.2							
No ground water encountered.							
Test pit backfilled, wheel rolled at surface.							



GRAVEL			SAND				FINES	
COARSE	FINE	CRSE	MEDIUM	FINE		SILT	CLAY	

U.S. STANDARD SIEVE OPENING: 3.0" 1 1/2" 3/4" 3/8" #4 #8 #16 #30 #50 #100 #200  
 U.S. STANDARD SIEVE NUMBER: 3.0" 1 1/2" 3/4" 3/8" #4 #8 #16 #30 #50 #100 #200  
 HYDROMETER



Boring No.:	Sample No.:	Depth (ft.):	Soil Type	GR:SA:FI	LL,PL,PI
TP-1	Bag-1	2.5	SC-SM	1:58:41	NA <sub>11</sub>

Soil Description: Brown silty, clayey sand (SC-SM)

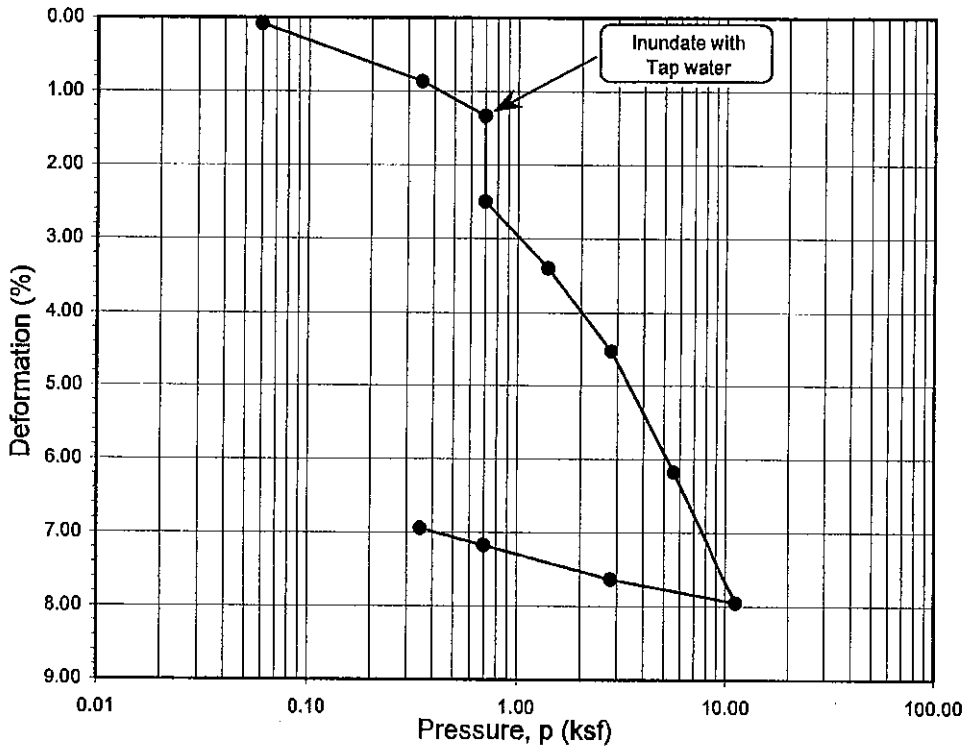
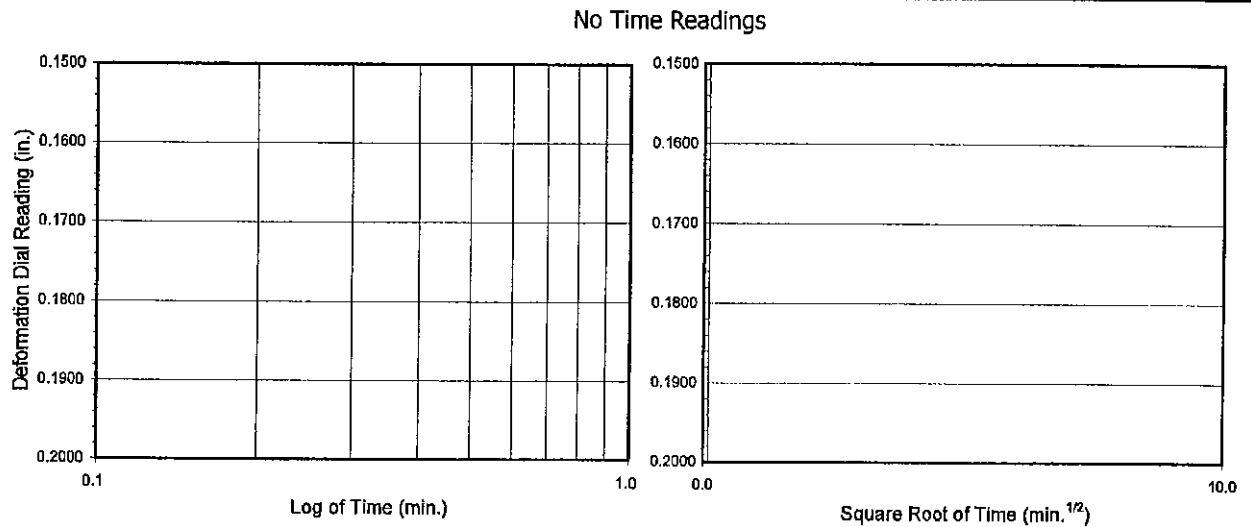


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**ATTERBERG LIMITS,  
PARTICLE - SIZE CURVE  
ASTM D 4318, D 422**

Project No.: 021164-001  
Young Homes / MV

05-04



Boring No.	Sample No.	Depth (ft.)	Moisture Content (%)		Dry Density (pcf)		Void Ratio		Degree of Saturation (%)	
			Initial	Final	Initial	Final	Initial	Final	Initial	Final
<b>B-3</b>	<b>R-2</b>	<b>5</b>	<b>2.4</b>	<b>14.3</b>	<b>112.7</b>	<b>120.6</b>	<b>0.495</b>	<b>0.391</b>	<b>13</b>	<b>97</b>

Soil Identification: Brown silty sand (SM)



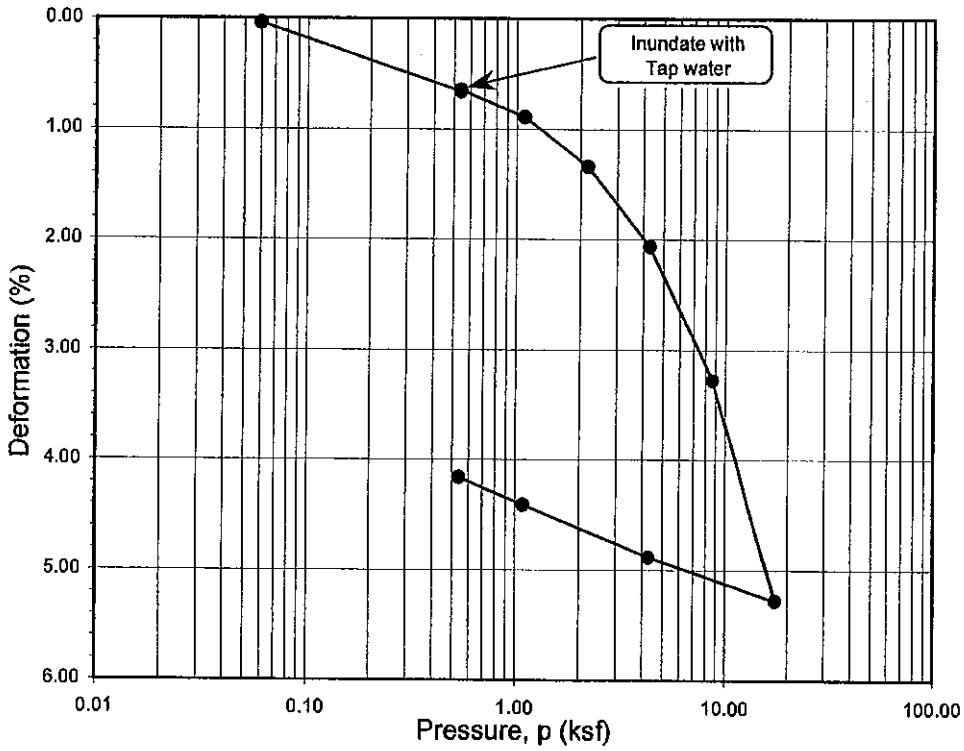
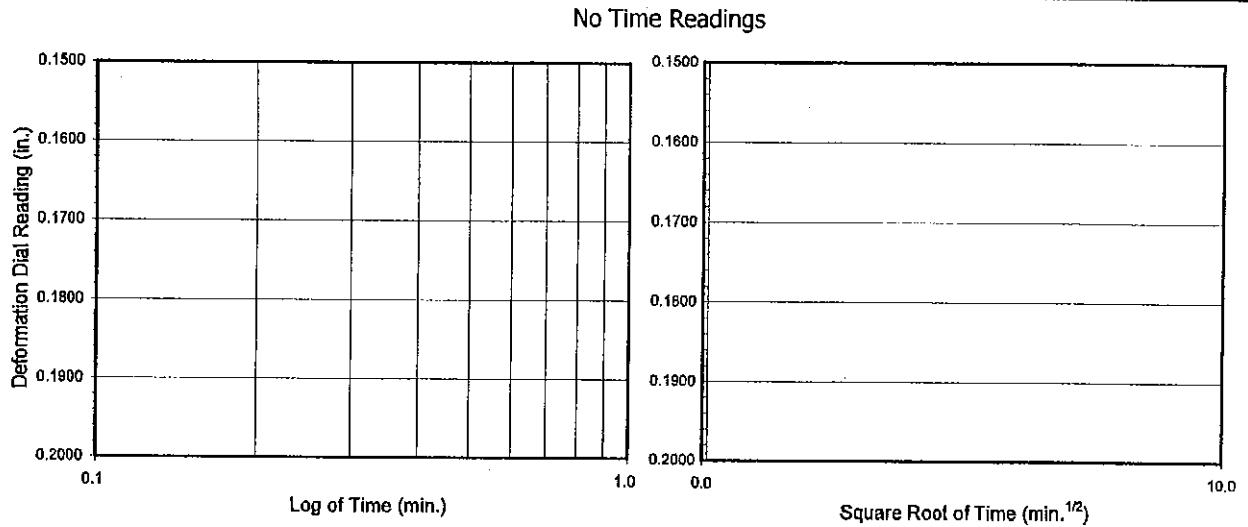
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**ONE-DIMENSIONAL CONSOLIDATION  
PROPERTIES OF SOILS  
(ASTM D 2435)**

Project No.: 021164-001

Young Homes / MV

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



Boring No.	Sample No.	Depth (ft.)	Moisture Content (%)		Dry Density (pcf)		Void Ratio		Degree of Saturation (%)	
			Initial	Final	Initial	Final	Initial	Final	Initial	Final
<b>B-1</b>	<b>R-2</b>	<b>5</b>	<b>8.9</b>	<b>12.6</b>	<b>118.2</b>	<b>122.5</b>	<b>0.426</b>	<b>0.366</b>	<b>57</b>	<b>90</b>

Soil Identification: Brown clayey sand (SC)



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**ONE-DIMENSIONAL CONSOLIDATION  
PROPERTIES of SOILS  
(ASTM D 2435)**

Project No.: 021164-001

Young Homes / MV

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



## One-Dimensional Swell or Settlement Potential of Cohesive Soils (ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-8  
 Sample No.: R-4  
 Sample Description: Brown silty sand (SM)

Tested By: FT  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 10.0

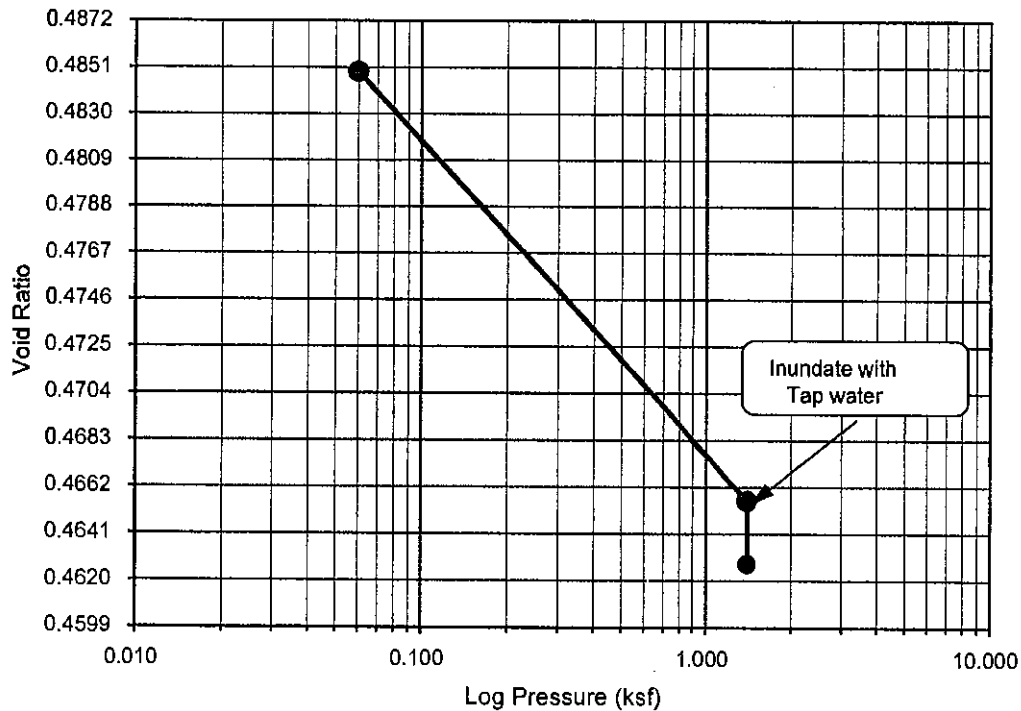
Initial Dry Density (pcf):	113.4
Initial Moisture (%):	5.80
Initial Length (in.):	1.0000
Initial Dial Reading:	0.2563
Diameter(in):	2.416

Final Dry Density (pcf):	113.7
Final Moisture (%):	17.8
Initial Void ratio:	0.4859
Specific Gravity(assumed):	2.70
Initial Saturation (%)	32.2

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.2570	0.9993	0.00	-0.07	0.4849	-0.07
1.400	0.2700	0.9863	0.00	-1.37	0.4656	-1.37
H2O	0.2719	0.9844	0.00	-1.56	0.4628	-1.56

Percent Swell (+) / Settlement (-) After Inundation = -0.19

Void Ratio - Log Pressure Curve



Collapse B-8 R-4 @ 10

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



## One-Dimensional Swell or Settlement Potential of Cohesive Soils (ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-6  
 Sample No.: R-5  
 Sample Description: Brown silty sand (SM)

Tested By: FT  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 15.0

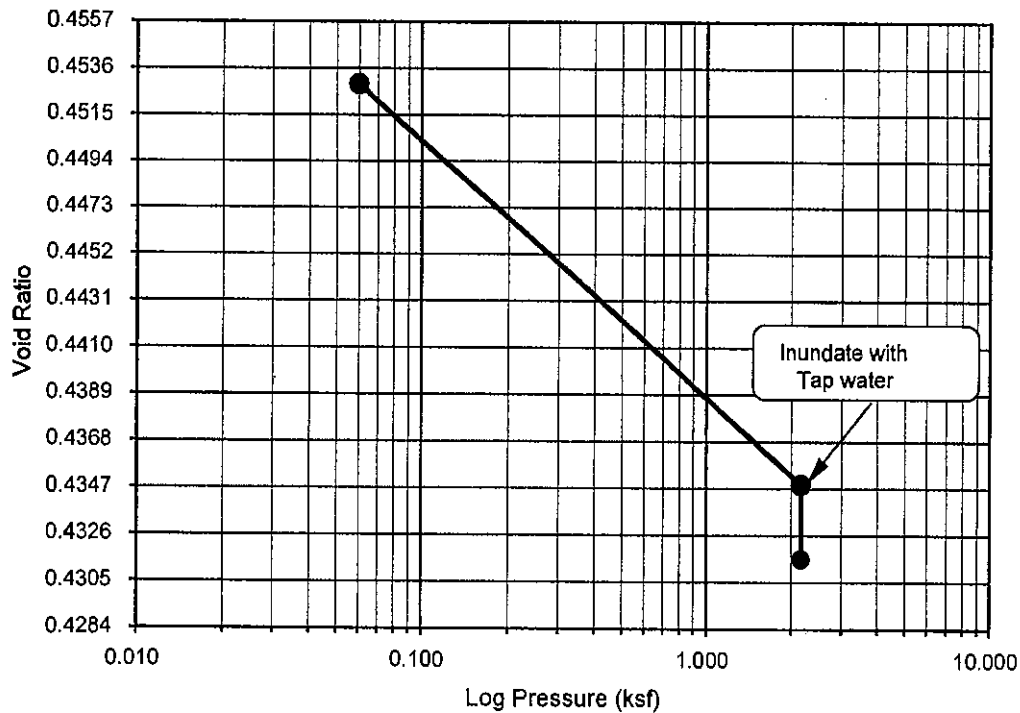
Initial Dry Density (pcf):	116.0
Initial Moisture (%):	6.69
Initial Length (in.):	1.0000
Initial Dial Reading:	0.1000
Diameter(in):	2.416

Final Dry Density (pcf):	117.4
Final Moisture (%):	16.3
Initial Void ratio:	0.4533
Specific Gravity(assumed):	2.70
Initial Saturation (%):	39.8

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.1003	0.9997	0.00	-0.03	0.4529	-0.03
2.170	0.1127	0.9873	0.00	-1.27	0.4349	-1.27
H2O	0.1150	0.9850	0.00	-1.50	0.4315	-1.50

Percent Swell (+) / Settlement (-) After Inundation = **-0.23**

Void Ratio - Log Pressure Curve



Collapse B-6 R-5 @ 15

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,





**One-Dimensional Swell or Settlement  
Potential of Cohesive Soils**  
(ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-5  
 Sample No.: R-3  
 Sample Description: Brown silty sand (SM)

Tested By: FT  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 10.0

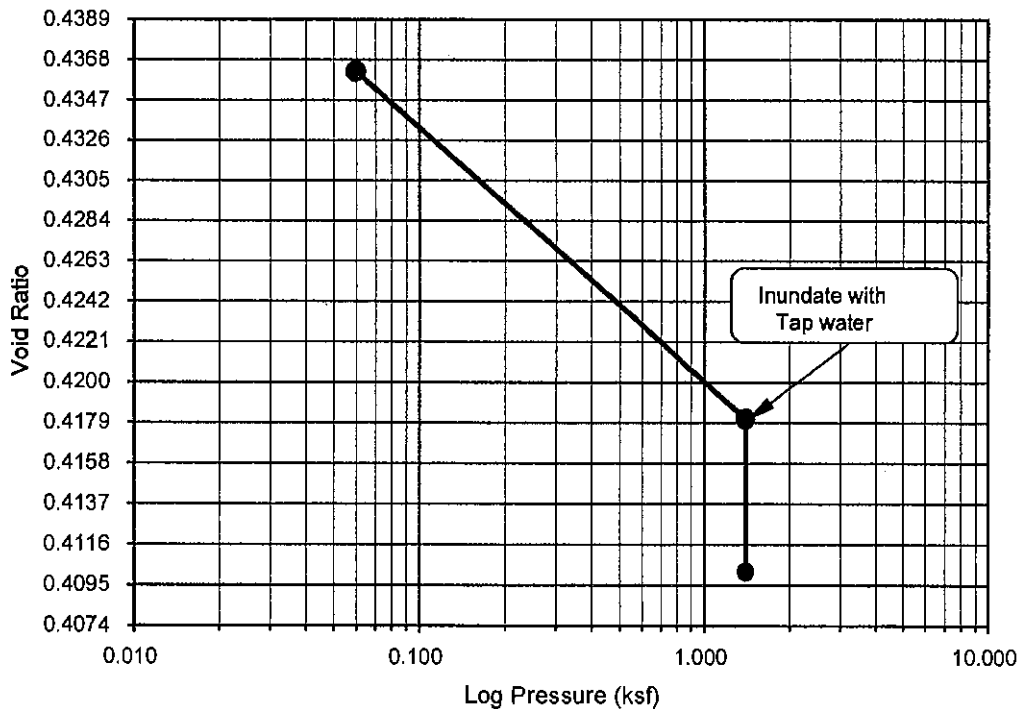
Initial Dry Density (pcf):	117.4
Initial Moisture (%):	1.92
Initial Length (in.):	1.0000
Initial Dial Reading:	0.1000
Diameter(in):	2.416

Final Dry Density (pcf):	118.6
Final Moisture (%):	14.6
Initial Void ratio:	0.4363
Specific Gravity(assumed):	2.70
Initial Saturation (%):	11.9

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.1001	0.9999	0.00	-0.01	0.4362	-0.01
1.400	0.1127	0.9873	0.00	-1.27	0.4181	-1.27
H2O	0.1182	0.9818	0.00	-1.82	0.4102	-1.82

Percent Swell (+) / Settlement (-) After Inundation = **-0.56**

**Void Ratio - Log Pressure Curve**



Collapse B-5 R-3 @ 10

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



## One-Dimensional Swell or Settlement Potential of Cohesive Soils (ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-5  
 Sample No.: R-2  
 Sample Description: Brown silty sand (SM)

Tested By: FT  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 5.0

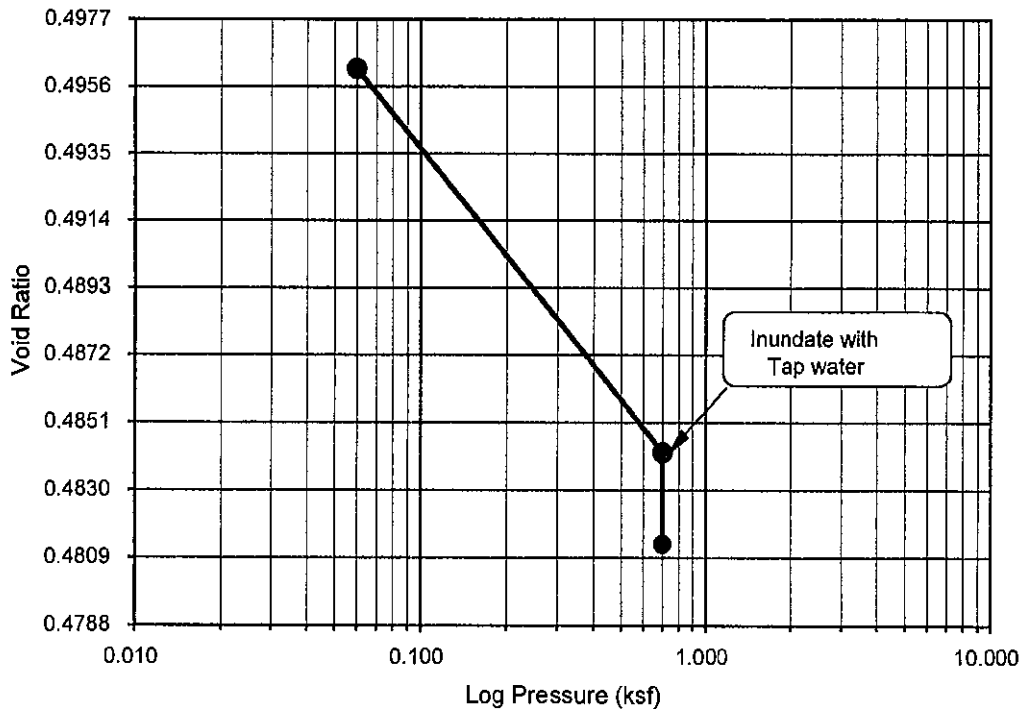
Initial Dry Density (pcf):	112.6
Initial Moisture (%):	4.73
Initial Length (in.):	1.0000
Initial Dial Reading:	0.2300
Diameter(in):	2.416

Final Dry Density (pcf):	112.5
Final Moisture (%):	17.2
Initial Void ratio:	0.4967
Specific Gravity(assumed):	2.70
Initial Saturation (%):	25.7

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.2304	0.9996	0.00	-0.04	0.4961	-0.04
0.700	0.2384	0.9916	0.00	-0.84	0.4842	-0.84
H2O	0.2403	0.9897	0.00	-1.03	0.4813	-1.03

Percent Swell (+) / Settlement (-) After Inundation = -0.19

Void Ratio - Log Pressure Curve



Collapse B-5 R-2 @ 5

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



**One-Dimensional Swell or Settlement  
Potential of Cohesive Soils**  
(ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-4  
 Sample No.: R-5  
 Sample Description: Brown clayey sand (SC)

Tested By: FT  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 15.0

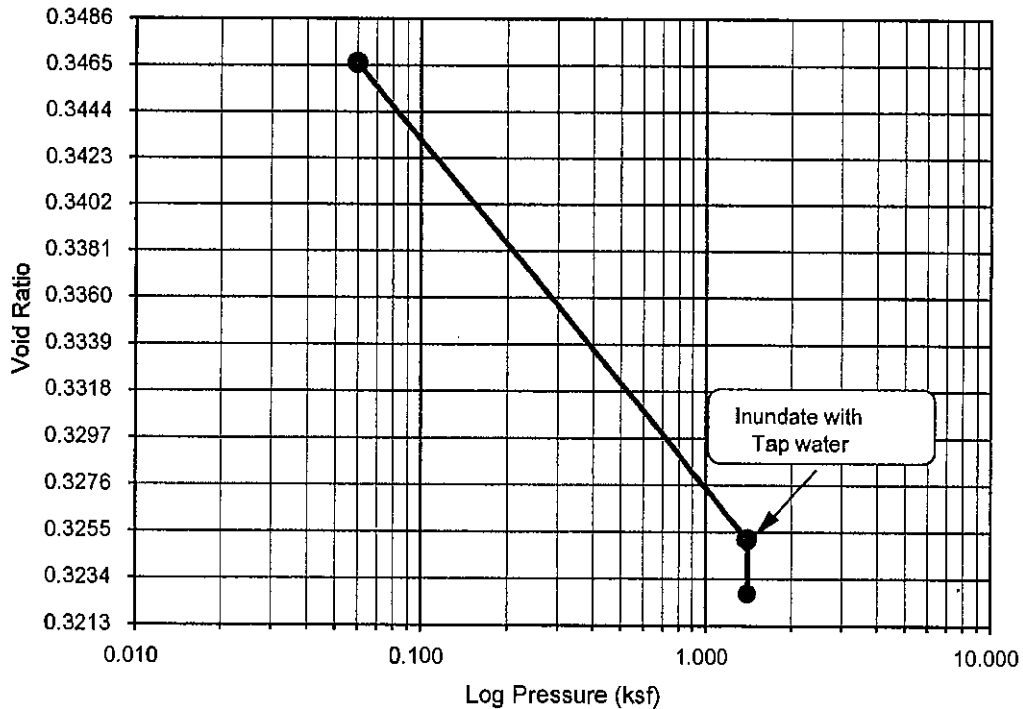
Initial Dry Density (pcf):	125.0
Initial Moisture (%):	7.31
Initial Length (in.):	1.0000
Initial Dial Reading:	0.1590
Diameter(in):	2.416

Final Dry Density (pcf):	126.3
Final Moisture (%):	10.8
Initial Void ratio:	0.3481
Specific Gravity(assumed):	2.70
Initial Saturation (%):	56.7

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.1601	0.9989	0.00	-0.11	0.3466	-0.11
1.400	0.1760	0.9830	0.00	-1.70	0.3252	-1.70
H2O	0.1778	0.9812	0.00	-1.88	0.3227	-1.88

Percent Swell (+) / Settlement (-) After Inundation = **-0.18**

**Void Ratio - Log Pressure Curve**



Collapse B-4 R-5 @ 15

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



**One-Dimensional Swell or Settlement  
Potential of Cohesive Soils**  
(ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-3  
 Sample No.: R-3  
 Sample Description: Brown sandy lean clay s(CL)

Tested By: FT, ESS  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 10.0

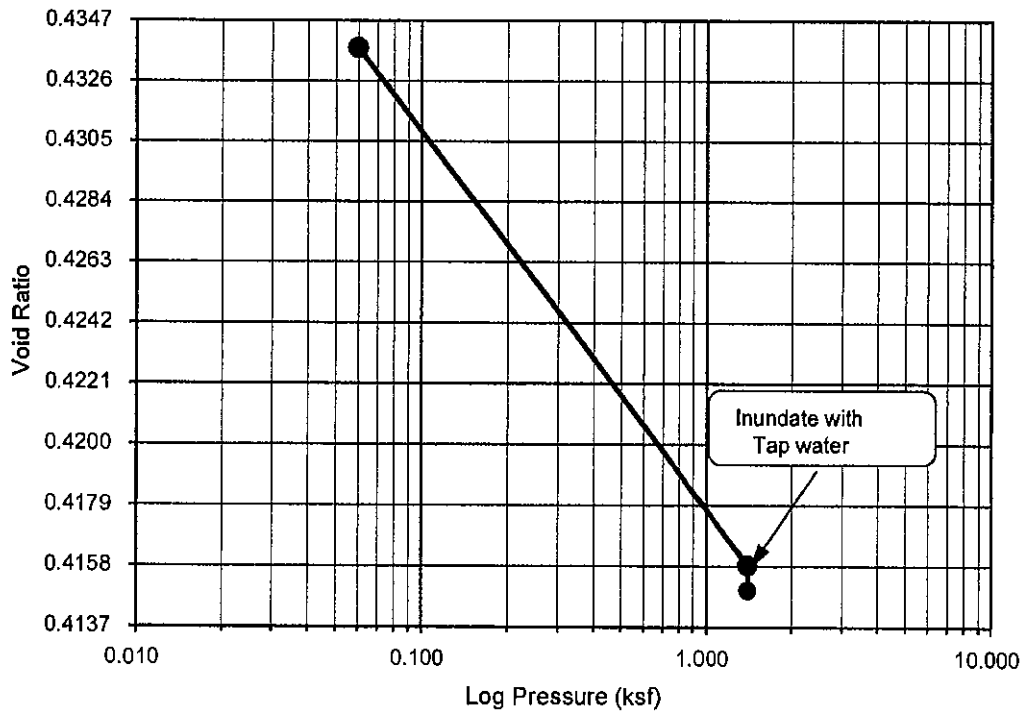
Initial Dry Density (pcf):	117.6
Initial Moisture (%):	11.23
Initial Length (in.):	1.0000
Initial Dial Reading:	0.1441
Diameter(in):	2.416

Final Dry Density (pcf):	118.8
Final Moisture (%):	15.7
Initial Void ratio:	0.4338
Specific Gravity(assumed):	2.70
Initial Saturation (%)	69.9

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.1441	1.0000	0.00	0.00	0.4338	0.00
1.400	0.1566	0.9875	0.00	-1.25	0.4158	-1.25
H2O	0.1572	0.9869	0.00	-1.31	0.4150	-1.31

Percent Swell (+) / Settlement (-) After Inundation = **-0.06**

**Void Ratio - Log Pressure Curve**



Collapse B-3 R-3 @ 10

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



## One-Dimensional Swell or Settlement Potential of Cohesive Soils (ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-2  
 Sample No.: R-6  
 Sample Description: Brown silty sand (SM)

Tested By: FT, ESS  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 20.0

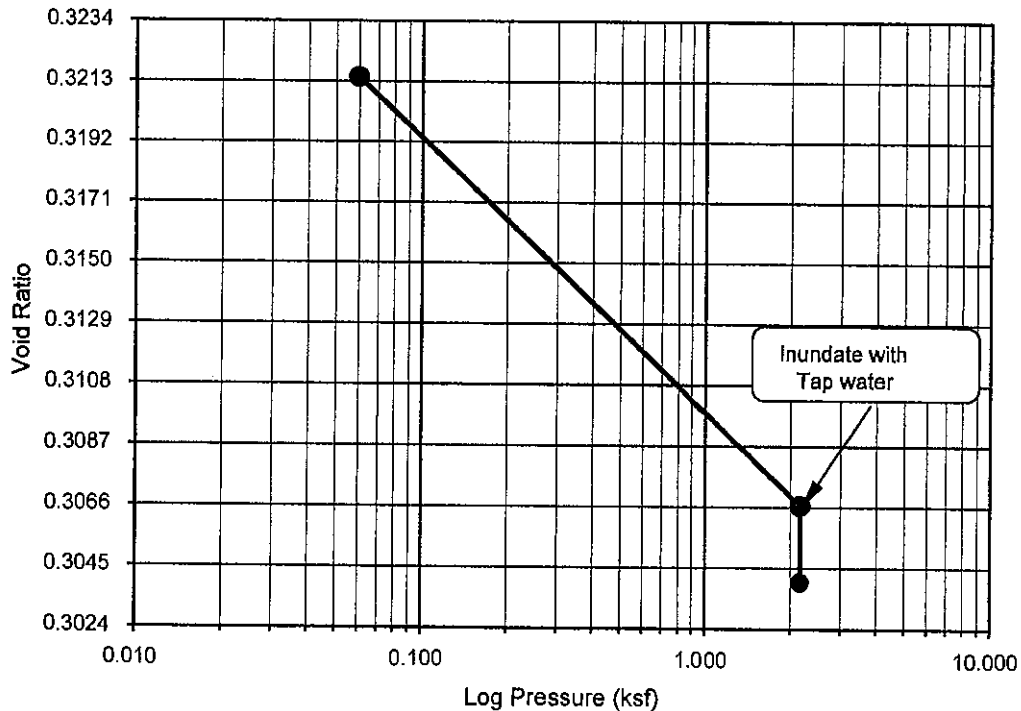
Initial Dry Density (pcf):	127.5
Initial Moisture (%):	5.38
Initial Length (in.):	1.0000
Initial Dial Reading:	0.1000
Diameter(in):	2.416

Final Dry Density (pcf):	127.9
Final Moisture (%):	11.3
Initial Void ratio:	0.3216
Specific Gravity(assumed):	2.70
Initial Saturation (%):	45.1

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.1001	0.9999	0.00	-0.01	0.3215	-0.01
2.170	0.1113	0.9887	0.00	-1.13	0.3067	-1.13
H2O	0.1133	0.9867	0.00	-1.33	0.3040	-1.33

Percent Swell (+) / Settlement (-) After Inundation = -0.20

Void Ratio - Log Pressure Curve



Collapse B-2 R-6 @ 20

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



## One-Dimensional Swell or Settlement Potential of Cohesive Soils (ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-2  
 Sample No.: R-2  
 Sample Description: Brown silty sand (SM)

Tested By: FT, ESS  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 5.0

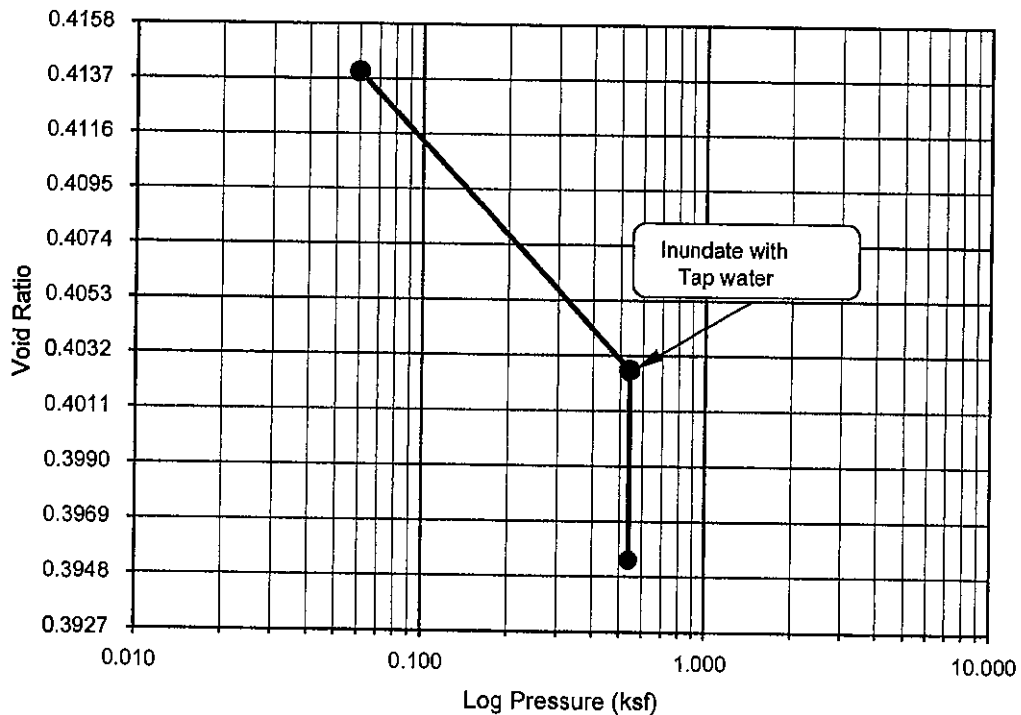
Initial Dry Density (pcf):	119.2
Initial Moisture (%):	3.19
Initial Length (in.):	1.0000
Initial Dial Reading:	0.1093
Diameter(in):	2.416

Final Dry Density (pcf):	119.0
Final Moisture (%):	13.5
Initial Void ratio:	0.4147
Specific Gravity(assumed):	2.70
Initial Saturation (%):	20.8

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.1098	0.9995	0.00	-0.05	0.4140	-0.05
0.540	0.1178	0.9915	0.00	-0.85	0.4027	-0.85
H2O	0.1229	0.9864	0.00	-1.36	0.3954	-1.36

Percent Swell (+) / Settlement (-) After Inundation = -0.51

Void Ratio - Log Pressure Curve



Collapse B-2 R-2 @ 5

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,





# MODIFIED PROCTOR COMPACTION TEST

ASTM D 1557

Teratest Labs, Inc.  
A LEIGHTON GROUP COMPANY

Project Name: Young Homes / MV Tested By: GB  
 Project No.: 021164-001 Input By: LF  
 Boring No.: TP-3 Depth (ft.): 2-3  
 Sample No.: Bag-1  
 Soil Identification: Olive brown poorly graded sand (SP)

Preparation Method:  Moist  Mechanical Ram  
 Dry  Manual Ram  
 Mold Volume (ft<sup>3</sup>) 0.03323 Ram Weight = 10 lb.; Drop = 18 in.

TEST NO.	1	2	3	4	5	6
Wt. Compacted Soil + Mold (g)	3753.6	3855.7	3946.2	3901.9		
Weight of Mold (g)	1771.0	1771.0	1771.0	1771.0		
Net Weight of Soil (g)	1982.6	2084.7	2175.2	2130.9		
Wet Weight of Soil + Cont. (g)	411.70	355.40	374.30	399.80		
Dry Weight of Soil + Cont. (g)	404.20	341.80	353.40	369.80		
Weight of Container (g)	51.80	51.20	52.10	49.30		
Moisture Content (%)	2.13	4.68	6.94	9.36		
Wet Density (pcf)	131.5	138.3	144.3	141.4		
Dry Density (pcf)	128.8	132.1	134.9	129.3		

Maximum Dry Density (pcf) 135.0 Optimum Moisture Content (%) 7.0

### PROCEDURE USED

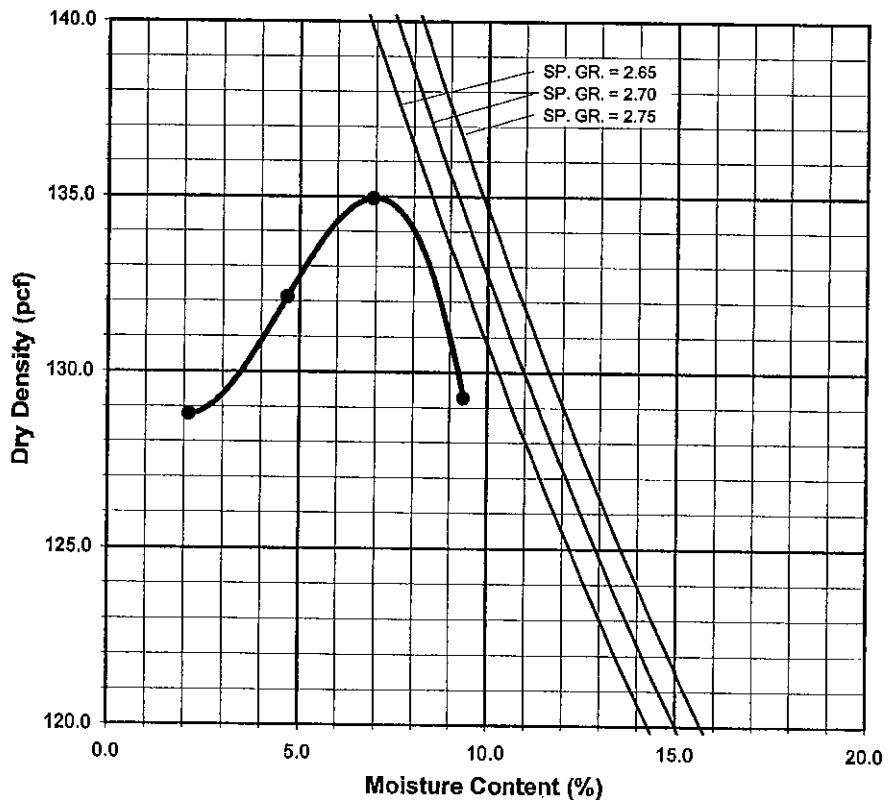
**Procedure A**  
 Soil Passing No. 4 (4.75 mm) Sieve  
 Mold : 4 in. (101.6 mm) diameter  
 Layers : 5 (Five)  
 Blows per layer : 25 (twenty-five)  
 May be used if + #4 is 20% or less

**Procedure B**  
 Soil Passing 3/8 in. (9.5 mm) Sieve  
 Mold : 4 in. (101.6 mm) diameter  
 Layers : 5 (Five)  
 Blows per layer : 25 (twenty-five)  
 Use if + #4 is >20% and +3/8 in. is 20% or less

**Procedure C**  
 Soil Passing 3/4 in. (19.0 mm) Sieve  
 Mold : 6 in. (152.4 mm) diameter  
 Layers : 5 (Five)  
 Blows per layer : 56 (fifty-six)  
 Use if +3/8 in. is >20% and +3/4 in. is <30%

### Particle-Size Distribution:

GR:SA:FI  
 Atterberg Limits:  
 LL, PL, PI



MX TP-3 Bag-1



# MODIFIED PROCTOR COMPACTION TEST

ASTM D 1557

Teratest Labs, Inc.  
A LEIGHTON GROUP COMPANY

Project Name: Young Homes / MV Tested By : GB  
 Project No.: 021164-001 Input By : LF  
 Boring No.: TP-6 Depth (ft.) 2-5  
 Sample No. : Bag-1  
 Soil Identification: Dark reddish brown silty clay (CL-ML)

Preparation Method:  Moist  Mechanical Ram  
 Dry  Manual Ram  
 Mold Volume (ft<sup>3</sup>) **0.03323** Ram Weight = 10 lb.; Drop = 18 in.

TEST NO.	1	2	3	4	5	6
Wt. Compacted Soil + Mold (g)	3683.6	3842.9	3913.2	3810.1		
Weight of Mold (g)	1771.0	1771.0	1771.0	1771.0		
Net Weight of Soil (g)	1912.6	2071.9	2142.2	2039.1		
Wet Weight of Soil + Cont. (g)	369.90	347.80	312.20	329.70		
Dry Weight of Soil + Cont. (g)	354.20	326.10	287.80	298.20		
Weight of Container (g)	52.00	51.00	52.50	54.00		
Moisture Content (%)	5.20	7.89	10.37	12.90		
Wet Density (pcf)	126.9	137.5	142.1	135.3		
Dry Density (pcf)	120.6	127.4	128.8	119.8		

Maximum Dry Density (pcf) **129.0** Optimum Moisture Content (%) **9.5**

### PROCEDURE USED

**Procedure A**  
 Soil Passing No. 4 (4.75 mm) Sieve  
 Mold : 4 in. (101.6 mm) diameter  
 Layers : 5 (Five)  
 Blows per layer : 25 (twenty-five)  
 May be used if + #4 is 20% or less

**Procedure B**  
 Soil Passing 3/8 in. (9.5 mm) Sieve  
 Mold : 4 in. (101.6 mm) diameter  
 Layers : 5 (Five)  
 Blows per layer : 25 (twenty-five)  
 Use if + #4 is >20% and +3/8 in. is 20% or less

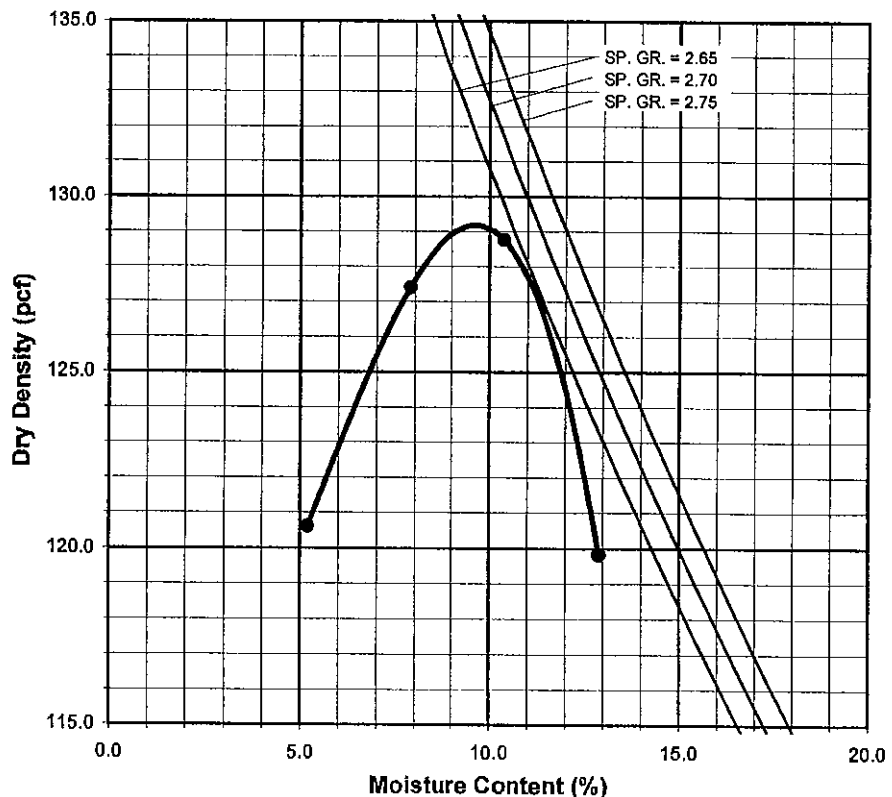
**Procedure C**  
 Soil Passing 3/4 in. (19.0 mm) Sieve  
 Mold : 6 in. (152.4 mm) diameter  
 Layers : 5 (Five)  
 Blows per layer : 56 (fifty-six)  
 Use if +3/8 in. is >20% and +3/4 in. is <30%

### Particle-Size Distribution:

GR:SA:FI

### Atterberg Limits:

LL, PL, PI



MX TP-6 Bag-1



Teratest Labs, Inc.  
A LEIGHTON GROUP COMPANY

## EXPANSION INDEX of SOILS

ASTM D 4829

Project Name: Young Homes / MV Tested By: GB  
 Project No. : 021164-001 Checked By: LF  
 Boring No.: TP-1 Depth (ft.) 2-5  
 Sample No. : Bag-1  
 Soil Identification: Dark yellowish brown clayey sand (SC)

Dry Wt. of Soil + Cont.	(g)	1000.00
Wt. of Container No.	(g)	0.00
Dry Wt. of Soil	(g)	1000.00
Weight Soil Retained on #4 Sieve		0.00
Percent Passing # 4		100.00

MOLDED SPECIMEN	Before Test	After Test
Specimen Diameter (in.)	4.01	4.01
Specimen Height (in.)	1.0000	1.0043
Wt. Comp. Soil + Mold (g)	636.10	443.00
Wt. of Mold (g)	210.80	0.00
Specific Gravity (Assumed)	2.70	2.70
Container No.	0	0
Wet Wt. of Soil + Cont. (g)	848.50	653.80
Dry Wt. of Soil + Cont. (g)	787.90	605.70
Wt. of Container (g)	0.00	210.80
Moisture Content (%)	7.69	12.18
Wet Density (pcf)	128.3	133.1
Dry Density (pcf)	119.1	118.6
Void Ratio	0.415	0.421
Total Porosity	0.293	0.296
Pore Volume (cc)	60.7	61.6
Degree of Saturation (%) [ S <sub>meas</sub> ]	50.0	78.1

**SPECIMEN INUNDATION** in distilled water for the period of 24 h or expansion rate < 0.0002 in./h

Date	Time	Pressure (psi)	Elapsed Time (min.)	Dial Readings (in.)
04/21/04	16:02	1.0	0	0.0710
04/21/04	16:12	1.0	10	0.0703
Add Distilled Water to the Specimen				
04/21/04	17:07	1.0	55	0.0742
04/22/04	6:45	1.0	873	0.0753
04/22/04	10:10	1.0	1078	0.0753

Expansion Index (EI <sub>meas</sub> ) = ((Final Rdg - Initial Rdg) / Initial Thick.) × 1000	5.0
Expansion Index (EI) <sub>60</sub> = EI <sub>meas</sub> - (50 - S <sub>meas</sub> ) × ((65 + EI <sub>meas</sub> ) / (220 - S <sub>meas</sub> ))	5

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



Teratest Labs, Inc.  
A LEIGHTON GROUP COMPANY

## EXPANSION INDEX of SOILS

ASTM D 4829

Project Name: Young Homes / MV Tested By: GB  
 Project No. : 021164-001 Checked By: LF  
 Boring No.: TP-5 Depth (ft.) 2-5  
 Sample No. : Bag-1  
 Soil Identification: Dark yellowish brown poorly graded sand (SP)

Dry Wt. of Soil + Cont. (g)	1000.00
Wt. of Container No. (g)	0.00
Dry Wt. of Soil (g)	1000.00
Weight Soil Retained on #4 Sieve	0.00
Percent Passing # 4	100.00

MOLDED SPECIMEN	Before Test	After Test
Specimen Diameter (in.)	4.01	4.01
Specimen Height (in.)	1.0000	1.0004
Wt. Comp. Soil + Mold (g)	629.40	449.10
Wt. of Mold (g)	190.80	0.00
Specific Gravity (Assumed)	2.70	2.70
Container No.	0	0
Wet Wt. of Soil + Cont. (g)	854.10	639.90
Dry Wt. of Soil + Cont. (g)	794.50	598.80
Wt. of Container (g)	0.00	190.80
Moisture Content (%)	7.50	10.07
Wet Density (pcf)	132.3	135.4
Dry Density (pcf)	123.1	123.0
Void Ratio	0.370	0.370
Total Porosity	0.270	0.270
Pore Volume (cc)	55.9	56.0
Degree of Saturation (%) [ S meas ]	54.8	73.4

**SPECIMEN INUNDATION** in distilled water for the period of 24 h or expansion rate < 0.0002 in./h

Date	Time	Pressure (psi)	Elapsed Time (min.)	Dial Readings (in.)
04/21/04	16:29	1.0	0	0.0508
04/21/04	16:39	1.0	10	0.0507
Add Distilled Water to the Specimen				
04/21/04	17:06	1.0	27	0.0509
04/22/04	6:47	1.0	848	0.0512
04/22/04	10:02	1.0	1043	0.0512

Expansion Index (EI <sub>meas</sub> ) = ((Final Rdg - Initial Rdg) / Initial Thick.) x 1000	0.5
Expansion Index (EI) <sub>60</sub> = EI <sub>meas</sub> - (50 - S <sub>meas</sub> ) x ((65 + EI <sub>meas</sub> ) / (220 - S <sub>meas</sub> ))	2

Attachment: Geotechnical Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



Teratest Labs, Inc.  
A LEIGHTON GROUP COMPANY

## EXPANSION INDEX of SOILS

ASTM D 4829

Project Name: Young Homes / MV Tested By: GB  
 Project No. : 021164-001 Checked By: LF  
 Boring No.: TP-8 Depth (ft.) 2-3  
 Sample No. : Bag-1  
 Soil Identification: Dark yellowish brown silty sand (SM)

Dry Wt. of Soil + Cont.	(g)	1000.00
Wt. of Container No.	(g)	0.00
Dry Wt. of Soil	(g)	1000.00
Weight Soil Retained on #4 Sieve		0.00
Percent Passing # 4		100.00

MOLDED SPECIMEN	Before Test	After Test
Specimen Diameter (in.)	4.01	4.01
Specimen Height (in.)	1.0000	1.0000
Wt. Comp. Soil + Mold (g)	620.80	440.00
Wt. of Mold (g)	201.80	0.00
Specific Gravity (Assumed)	2.70	2.70
Container No.	0	0
Wet Wt. of Soil + Cont. (g)	862.40	641.80
Dry Wt. of Soil + Cont. (g)	804.50	592.70
Wt. of Container (g)	0.00	201.80
Moisture Content (%)	7.20	12.56
Wet Density (pcf)	126.4	132.7
Dry Density (pcf)	117.9	117.9
Void Ratio	0.430	0.430
Total Porosity	0.301	0.301
Pore Volume (cc)	62.2	62.2
Degree of Saturation (%) [ S <sub>meas</sub> ]	45.2	78.9

**SPECIMEN INUNDATION** in distilled water for the period of 24 h or expansion rate < 0.0002 in./h

Date	Time	Pressure (psi)	Elapsed Time (min.)	Dial Readings (in.)
04/21/04	16:55	1.0	0	0.1090
04/21/04	17:05	1.0	10	0.1087
Add Distilled Water to the Specimen				
04/21/04	17:10	1.0	5	0.1087
04/22/04	6:44	1.0	819	0.1090
04/22/04	10:15	1.0	1030	0.1090

Expansion Index (EI <sub>meas</sub> ) = ((Final Rdg - Initial Rdg) / Initial Thick.) x 1000	0.3
Expansion Index (EI) <sub>50</sub> = EI <sub>meas</sub> - (50 - S <sub>meas</sub> )x((65+EI <sub>meas</sub> ) / (220-S <sub>meas</sub> ))	0

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



Leighton Consulting, Inc.  
A LEIGHTON GROUP COMPANY

# R-VALUE TEST RESULTS

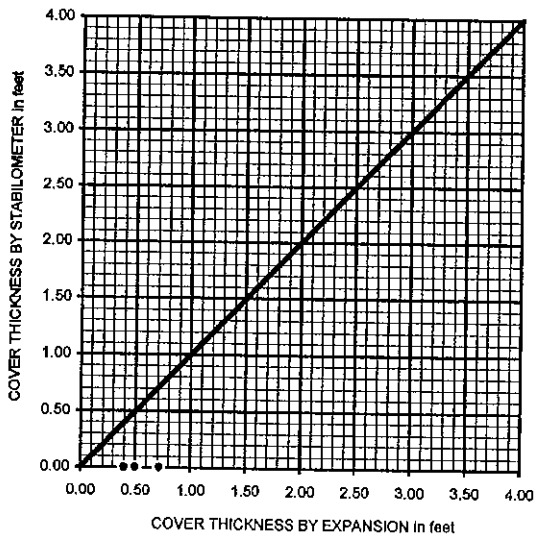
PROJECT NAME: Young Homes / MV  
 SAMPLE NUMBER: Bag 1  
 SAMPLE DESCRIPTION: Si. Sa.

PROJECT NUMBER: 021164-001  
 SAMPLE LOCATION: TP-8 2-3'  
 TECHNICIAN: SCF

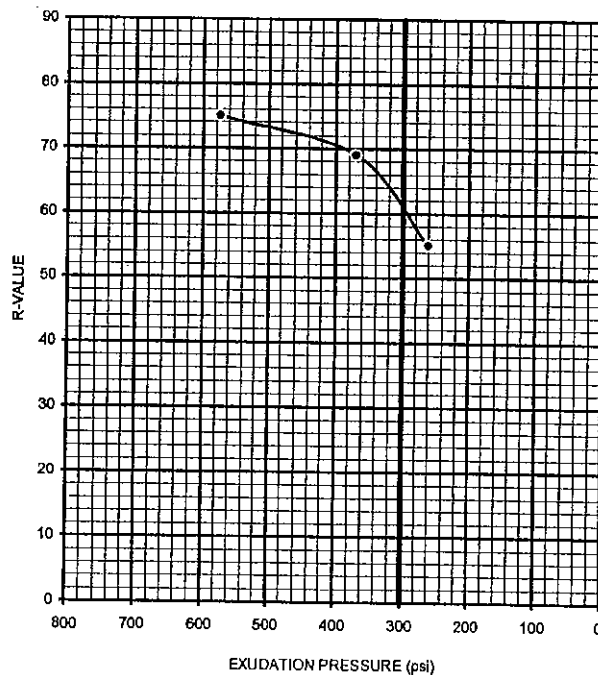
TEST SPECIMEN	a	b	c
MOISTURE AT COMPACTION %	9.5	9.9	10.3
HEIGHT OF SAMPLE, Inches	2.44	2.57	2.53
DRY DENSITY, pcf	126.6	125.6	127.4
COMPACTOR AIR PRESSURE, psf	200	150	100
EXUDATION PRESSURE, psf	574	369	261
EXPANSION, Inches x 10 <sup>exp-4</sup>	0	0	0
STABILITY Ph 2,000 lbs (160 psi)	25	30	43
TURNS DISPLACEMENT	4.58	4.98	5.56
R-VALUE UNCORRECTED	75	69	55
R-VALUE CORRECTED	75	69	55

DESIGN CALCULATION DATA	a	b	c
GRAVEL EQUIVALENT FACTOR	1.0	1.0	1.0
TRAFFIC INDEX	5.0	5.0	5.0
STABILOMETER THICKNESS, ft.	0.40	0.50	0.72
EXPANSION PRESSURE THICKNESS, ft.	0.00	0.00	0.00

EXPANSION PRESSURE CHART



EXUDATION PRESSURE CHART



R-VALUE BY EXPANSION: 100  
 R-VALUE BY EXUDATION: 61  
 EQUILIBRIUM R-VALUE: 61

Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,





Teratest Labs, Inc.  
A LEIGHTON GROUP COMPANY

## TESTS for SULFATE CONTENT CHLORIDE CONTENT and pH of SOILS

Project Name: Young Homes / MV

Tested By : VJ

Project No. : 021164-001

Data Input By: LF

Boring No.	TP-1	TP-8		
Sample No.	Bag-1	Bag-1		
Sample Depth (ft)	2-5	2-3		
Soil Identification:	SC	SM		
Wet Weight of Soil + Container (g)	222.36	193.02		
Dry Weight of Soil + Container (g)	215.40	187.60		
Weight of Container (g)	74.75	38.66		
Moisture Content (%)	4.95	3.64		
Weight of Soaked Soil (g)	100.24	100.39		

### SULFATE CONTENT, DOT California Test 417, Part II

Beaker No.	14	15		
Crucible No.	19	20		
Furnace Temperature (°C)	830	830		
Time In / Time Out	7:45 / 8:30	7:45 / 8:30		
Duration of Combustion (min)	45	45		
Wt. of Crucible + Residue (g)	20.9062	21.2107		
Wt. of Crucible (g)	20.9043	21.2096		
Wt. of Residue (g) (A)	0.0019	0.0011		
PPM of Sulfate (A) x 41150	78.18	45.27		
<b>PPM of Sulfate, Dry Weight Basis</b>	<b>82</b>	<b>47</b>		

### CHLORIDE CONTENT, DOT California Test 422

ml of Chloride Soln. For Titration (B)	30	30		
ml of AgNO <sub>3</sub> Soln. Used in Titration (C)	0.6	0.6		
PPM of Chloride (C - 0.2) * 100 * 30 / B	40	40		
<b>PPM of Chloride, Dry Wt. Basis</b>	<b>42</b>	<b>42</b>		

### pH TEST, DOT California Test 532/643

pH Value	7.02	7.07		
Temperature °C	20.7	20.6		



Teratest Labs, Inc.  
A LEIGHTON GROUP COMPANY

**SOIL RESISTIVITY TEST**  
**DOT CA TEST 532 / 643**

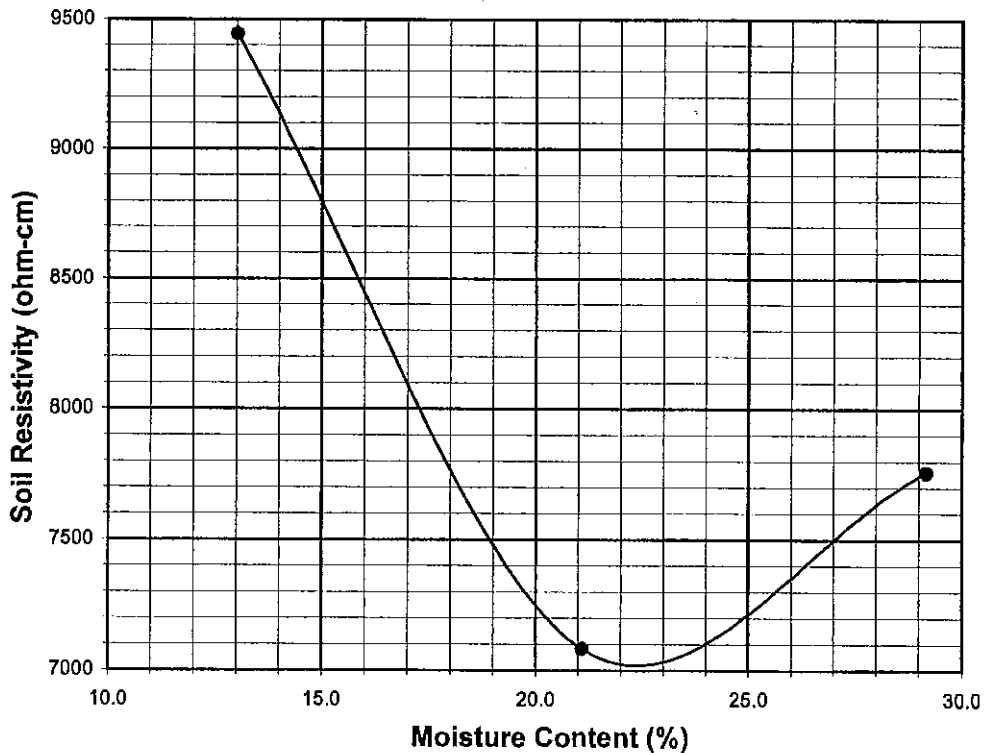
Project Name: Young Homes / MV  
 Project No. : 021164-001  
 Boring No.: TP-1  
 Sample No. : Bag-1  
 Soil Identification: SC

Tested By : VJ  
 Data Input By: LF  
 Depth (ft.) : 2-5

Specimen No.	Water Added (ml) (Wa)	Adjusted Moisture Content (MC)	Resistance Reading (ohm)	Soil Resistivity (ohm-cm)
1	100	13.02	1400	9444
2	200	21.09	1050	7083
3	300	29.17	1150	7758
4				
5				

Moisture Content (%) (MCI)	4.95
Wet Wt. of Soil + Cont. (g)	222.36
Dry Wt. of Soil + Cont. (g)	215.40
Wt. of Container (g)	74.75
Container No.	
Initial Soil Wt. (g) (Wt)	1300.00
Box Constant	6.746
MC = (((1+Mci/100)x(Wa/Wt+1))-1)x100	

Min. Resistivity (ohm-cm)	Moisture Content (%)	Sulfate Content (ppm)	Chloride Content (ppm)	Soil pH	
				pH	Temp. (°C)
DOT CA Test 532 / 643		DOT CA Test 417 Part II	DOT CA Test 422	DOT CA Test 532 / 643	
<b>7020</b>	<b>22.3</b>	<b>82</b>	<b>42</b>	<b>7.02</b>	<b>20.7</b>



Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



### SOIL RESISTIVITY TEST

DOT CA TEST 532 / 643

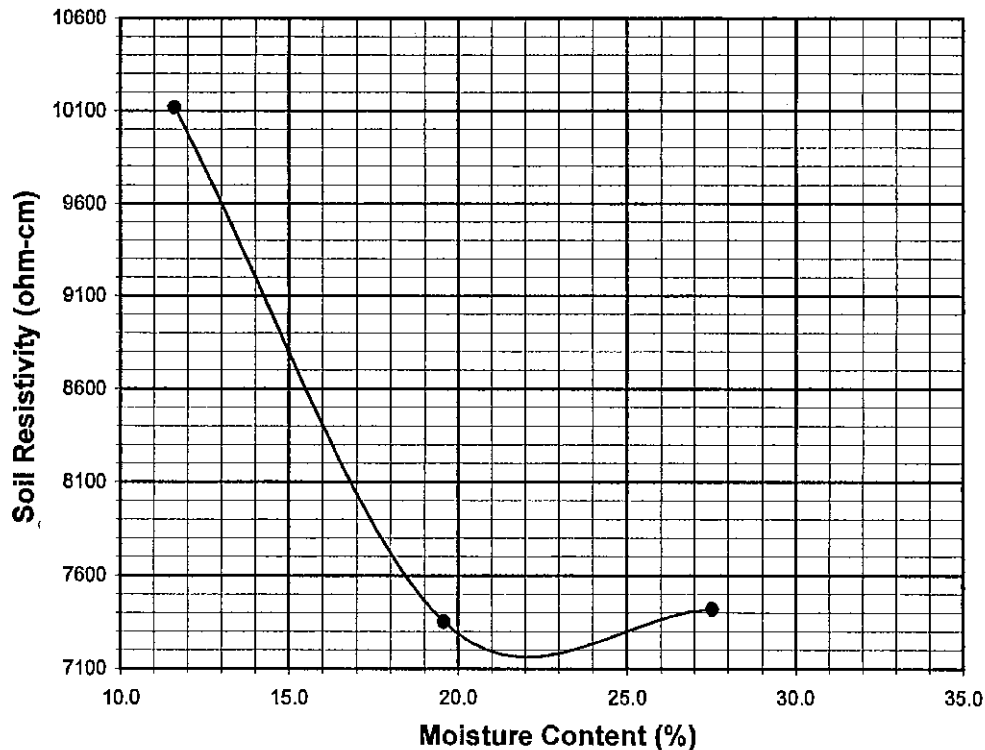
Project Name: Young Homes / MV  
 Project No. : 021164-001  
 Boring No.: TP-8  
 Sample No. : Bag-1  
 Soil Identification: SM

Tested By : VJ  
 Data Input By: LF  
 Depth (ft.) : 2-3

Specimen No.	Water Added (ml) (Wa)	Adjusted Moisture Content (MC)	Resistance Reading (ohm)	Soil Resistivity (ohm-cm)
1	100	11.61	1500	10119
2	200	19.58	1090	7353
3	300	27.56	1100	7421
4				
5				

Moisture Content (%) (Mci)	3.64
Wet Wt. of Soil + Cont. (g)	193.02
Dry Wt. of Soil + Cont. (g)	187.60
Wt. of Container (g)	38.66
Container No.	
Initial Soil Wt. (g) (Wt)	1300.00
Box Constant	6.746
MC = (((1+Mci/100)x(Wa/Wt+1))-1)x100	

Min. Resistivity (ohm-cm)	Moisture Content (%)	Sulfate Content (ppm)	Chloride Content (ppm)	Soil pH	
				pH	Temp. (°C)
DOT CA Test 532 / 643		DOT CA Test 417 Part II	DOT CA Test 422	DOT CA Test 532 / 643	
<b>7170</b>	<b>22.0</b>	<b>47</b>	<b>42</b>	<b>7.07</b>	<b>20.6</b>



Attachment: Geotechnical Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

## APPENDIX E

## LEIGHTON AND ASSOCIATES, INC.

GENERAL EARTHWORK AND GRADING SPECIFICATIONS FOR ROUGH GRADINGTable of Contents

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LEIGHTON AND ASSOCIATES, INC.  
General Earthwork and Grading Specifications

1.0 General

- 1.1 Intent: These General Earthwork and Grading Specifications are for the grading and earthwork shown on the approved grading plan(s) and/or indicated in the geotechnical report(s). These Specifications are a part of the recommendations contained in the geotechnical report(s). In case of conflict, the specific recommendations in the geotechnical report shall supersede these more general Specifications. Observations of the earthwork by the project Geotechnical Consultant during the course of grading may result in new or revised recommendations that could supersede these specifications or the recommendations in the geotechnical report(s).
- 1.2 The Geotechnical Consultant of Record: Prior to commencement of work, the owner shall employ the Geotechnical Consultant of Record (Geotechnical Consultant). The Geotechnical Consultants shall be responsible for reviewing the approved geotechnical report(s) and accepting the adequacy of the preliminary geotechnical findings, conclusions, and recommendations prior to the commencement of the grading.

Prior to commencement of grading, the Geotechnical Consultant shall review the "work plan" prepared by the Earthwork Contractor (Contractor) and schedule sufficient personnel to perform the appropriate level of observation, mapping, and compaction testing.

During the grading and earthwork operations, the Geotechnical Consultant shall observe, map, and document the subsurface exposures to verify the geotechnical design assumptions. If the observed conditions are found to be significantly different than the interpreted assumptions during the design phase, the Geotechnical Consultant shall inform the owner, recommend appropriate changes in design to accommodate the observed conditions, and notify the review agency where required. Subsurface areas to be geotechnically observed, mapped, elevations recorded, and/or tested include natural ground after it has been cleared for receiving fill but before fill is placed, bottoms of all "remedial removal" areas, all key bottoms, and benches made on sloping ground to receive fill.

The Geotechnical Consultant shall observe the moisture-conditioning and processing of the subgrade and fill materials and perform relative compaction testing of fill to determine the attained level of compaction. The Geotechnical Consultant shall provide the test results to the owner and the Contractor on a routine and frequent basis.

LEIGHTON AND ASSOCIATES, INC.  
General Earthwork and Grading Specifications

- 1.3 The Earthwork Contractor: The Earthwork Contractor (Contractor) shall be qualified, experienced, and knowledgeable in earthwork logistics, preparation and processing of ground to receive fill, moisture-conditioning and processing of fill, and compacting fill. The Contractor shall review and accept the plans, geotechnical report(s), and these Specifications prior to commencement of grading. The

Contractor shall be solely responsible for performing the grading in accordance with the plans and specifications.

The Contractor shall prepare and submit to the owner and the Geotechnical Consultant a work plan that indicates the sequence of earthwork grading, the number of "spreads" of work and the estimated quantities of daily earthwork contemplated for the site prior to commencement of grading. The Contractor shall inform the owner and the Geotechnical Consultant of changes in work schedules and updates to the work plan at least 24 hours in advance of such changes so that appropriate observations and tests can be planned and accomplished. The Contractor shall not assume that the Geotechnical Consultant is aware of all grading operations.

The Contractor shall have the sole responsibility to provide adequate equipment and methods to accomplish the earthwork in accordance with the applicable grading codes and agency ordinances, these Specifications, and the recommendations in the approved geotechnical report(s) and grading plan(s). If, in the opinion of the Geotechnical Consultant, unsatisfactory conditions, such as unsuitable soil, improper moisture condition, inadequate compaction, insufficient buttress key size, adverse weather, etc., are resulting in a quality of work less than required in these specifications, the Geotechnical Consultant shall reject the work and may recommend to the owner that construction be stopped until the conditions are rectified.

2.0 Preparation of Areas to be Filled

- 2.1 Clearing and Grubbing: Vegetation, such as brush, grass, roots, and other deleterious material shall be sufficiently removed and properly disposed of in a method acceptable to the owner, governing agencies, and the Geotechnical Consultant.

The Geotechnical Consultant shall evaluate the extent of these removals depending on specific site conditions. Earth fill material shall not contain more than 1 percent of organic materials (by volume). No fill lift shall contain more than 5 percent of organic matter. Nesting of the organic materials shall not be allowed.



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General Earthwork and Grading Specifications

If potentially hazardous materials are encountered, the Contractor shall stop work in the affected area, and a hazardous material specialist shall be informed immediately for proper evaluation and handling of these materials prior to continuing to work in that area.

As presently defined by the State of California, most refined petroleum products (gasoline, diesel fuel, motor oil, grease, coolant, etc.) have chemical constituents that are considered to be hazardous waste. As such, the indiscriminate dumping or spillage of these fluids onto the ground may constitute a misdemeanor, punishable by fines and/or imprisonment, and shall not be allowed.

- 2.2 Processing: Existing ground that has been declared satisfactory for support of fill by the Geotechnical Consultant shall be scarified to a minimum depth of 6 inches. Existing ground that is not satisfactory shall be overexcavated as specified in the following section. Scarification shall continue until soils are broken down and free of large clay lumps or clods and the working surface is reasonably uniform, flat, and free of uneven features that would inhibit uniform compaction.
- 2.3 Overexcavation: In addition to removals and overexcavations recommended in the approved geotechnical report(s) and the grading plan, soft, loose, dry, saturated, spongy, organic-rich, highly fractured or otherwise unsuitable ground shall be overexcavated to competent ground as evaluated by the Geotechnical Consultant during grading.
- 2.4 Benching: Where fills are to be placed on ground with slopes steeper than 5:1 (horizontal to vertical units), the ground shall be stepped or benched. Please see the Standard Details for a graphic illustration. The lowest bench or key shall be a minimum of 15 feet wide and at least 2 feet deep, into competent material as evaluated by the Geotechnical Consultant. Other benches shall be excavated a minimum height of 4 feet into competent material or as otherwise recommended by the Geotechnical Consultant. Fill placed on ground sloping flatter than 5:1 shall also be benched or otherwise overexcavated to provide a flat subgrade for the fill.
- 2.5 Evaluation/Acceptance of Fill Areas: All areas to receive fill, including removal and processed areas, key bottoms, and benches, shall be observed, mapped, elevations recorded, and/or tested prior to being accepted by the Geotechnical Consultant as suitable to receive fill. The Contractor shall obtain a written acceptance from the Geotechnical Consultant prior to fill placement. A licensed surveyor shall provide the survey control for determining elevations of processed areas, keys, and benches.

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General Earthwork and Grading Specifications

3.0 Fill Material

- 3.1 General: Material to be used as fill shall be essentially free of organic matter and other deleterious substances evaluated and accepted by the Geotechnical Consultant prior to placement. Soils of poor quality, such as those with unacceptable gradation, high expansion potential, or low strength shall be placed in areas acceptable to the Geotechnical Consultant or mixed with other soils to achieve satisfactory fill material.
- 3.2 Oversize: Oversize material defined as rock, or other irreducible material with a maximum dimension greater than 8 inches, shall not be buried or placed in fill unless location, materials, and placement methods are specifically accepted by the Geotechnical Consultant. Placement operations shall be such that nesting of oversized material does not occur and such that oversize material is completely surrounded by compacted or densified fill. Oversize material shall not be placed within 10 vertical feet of finish grade or within 2 feet of future utilities or underground construction.
- 3.3 Import: If importing of fill material is required for grading, proposed import material shall meet the requirements of Section 3.1. The potential import source shall be given to the Geotechnical Consultant at least 48 hours (2 working days) before importing begins so that its suitability can be determined and appropriate tests performed.

4.0 Fill Placement and Compaction

- 4.1 Fill Layers: Approved fill material shall be placed in areas prepared to receive fill (per Section 3.0) in near-horizontal layers not exceeding 8 inches in loose thickness. The Geotechnical Consultant may accept thicker layers if testing indicates the grading procedures can adequately compact the thicker layers. Each layer shall be spread evenly and mixed thoroughly to attain relative uniformity of material and moisture throughout.
- 4.2 Fill Moisture Conditioning: Fill soils shall be watered, dried back, blended, and/or mixed, as necessary to attain a relatively uniform moisture content at or slightly over optimum. Maximum density and optimum soil moisture content tests shall be performed in accordance with the American Society of Testing and Materials (ASTM Test Method D1557-91).

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General Earthwork and Grading Specifications

- 4.3 Compaction of Fill: After each layer has been moisture-conditioned, mixed, and evenly spread, it shall be uniformly compacted to not less than 90 percent of maximum dry density (ASTM Test Method D1557-91). Compaction equipment shall be adequately sized and be either specifically designed for soil compaction or of proven reliability to efficiently achieve the specified level of compaction with uniformity.
- 4.4 Compaction of Fill Slopes: In addition to normal compaction procedures specified above, compaction of slopes shall be accomplished by backrolling of slopes with sheepsfoot rollers at increments of 3 to 4 feet in fill elevation, or by other methods producing satisfactory results acceptable to the Geotechnical Consultant. Upon completion of grading, relative compaction of the fill, out to the slope face, shall be at least 90 percent of maximum density per ASTM Test Method D1557-91.
- 4.5 Compaction Testing: Field tests for moisture content and relative compaction of the fill soils shall be performed by the Geotechnical Consultant. Location and frequency of tests shall be at the Consultant's discretion based on field conditions encountered. Compaction test locations will not necessarily be selected on a random basis. Test locations shall be selected to verify adequacy of compaction levels in areas that are judged to be prone to inadequate compaction (such as close to slope faces and at the fill/bedrock benches).
- 4.6 Frequency of Compaction Testing: Tests shall be taken at intervals not exceeding 2 feet in vertical rise and/or 1,000 cubic yards of compacted fill soils embankment. In addition, as a guideline, at least one test shall be taken on slope faces for each 5,000 square feet of slope face and/or each 10 feet of vertical height of slope. The Contractor shall assure that fill construction is such that the testing schedule can be accomplished by the Geotechnical Consultant. The Contractor shall stop or slow down the earthwork construction if these minimum standards are not met.
- 4.7 Compaction Test Locations: The Geotechnical Consultant shall document the approximate elevation and horizontal coordinates of each test location. The Contractor shall coordinate with the project surveyor to assure that sufficient grade stakes are established so that the Geotechnical Consultant can determine the test locations with sufficient accuracy. At a minimum, two grade stakes within a horizontal distance of 100 feet and vertically less than 5 feet apart from potential test locations shall be provided.

LEIGHTON AND ASSOCIATES, INC.  
General Earthwork and Grading Specifications

5.0 Subdrain Installation

Subdrain systems shall be installed in accordance with the approved geotechnical report(s), the grading plan, and the Standard Details. The Geotechnical Consultant may recommend additional subdrains and/or changes in subdrain extent, location, grade, or material depending on conditions encountered during grading. All subdrains shall be surveyed by a land surveyor/civil engineer for line and grade after installation and prior to burial. Sufficient time should be allowed by the Contractor for these surveys.

6.0 Excavation

Excavations, as well as over-excavation for remedial purposes, shall be evaluated by the Geotechnical Consultant during grading. Remedial removal depths shown on geotechnical plans are estimates only. The actual extent of removal shall be determined by the Geotechnical Consultant based on the field evaluation of exposed conditions during grading. Where fill-over-cut slopes are to be graded, the cut portion of the slope shall be made, evaluated, and accepted by the Geotechnical Consultant prior to placement of materials for construction of the fill portion of the slope, unless otherwise recommended by the Geotechnical Consultant.

7.0 Trench Backfills

7.1 Safety: The Contractor shall follow all OSHA and Cal/OSHA requirements for safety of trench excavations.

7.2 Bedding and Backfill: All bedding and backfill of utility trenches shall be done in accordance with the applicable provisions of Standard Specifications of Public Works Construction. Bedding material shall have a Sand Equivalent greater than 30 (SE>30). The bedding shall be placed to 1 foot over the top of the conduit and densified by jetting. Backfill shall be placed and densified to a minimum of 90 percent of maximum from 1 foot above the top of the conduit to the surface.

The Geotechnical Consultant shall test the trench backfill for relative compaction. At least one test should be made for every 300 feet of trench and 2 feet of fill.

7.3 Lift Thickness: Lift thickness of trench backfill shall not exceed those allowed in the Standard Specifications of Public Works Construction unless the Contractor can demonstrate to the Geotechnical Consultant that the fill lift can be compacted to the minimum relative compaction by his alternative equipment and method.

7.4 Observation and Testing: The jetting of the bedding around the conduits shall be observed by the Geotechnical Consultant.



Leighton and Associates, Inc.  
A LEIGHTON GROUP COMPANY

August 29, 2016  
Project No. 11427.001

Mission Pacific Land Company  
4100 Newport Place, Suite 480  
Newport Beach, California 92660

Attention: Mr. Jason Keller, P.E.

**Subject: Geotechnical Update Report  
Residential Development, Tentative Tract Map 36760  
APNs: 485-220-023, 485-220-032, 485-220-040  
Moreno Valley, California**

In accordance with your request, Leighton & Associates Inc. (Leighton) is pleased to present herewith a geotechnical update for the subject project. We understand that you are requesting this update letter to confirm that the soils conditions and the recommendations included in our referenced reports still apply to the proposed development. Our previous investigation evaluated approximately 104 acres, of which the subject 53 acre property is a part. We include herein updated CBC seismic design coefficients for foundation design. Percolation testing for the proposed 1.2 Acre water quality bioretention basin in the southeast corner will be performed later and the results presented in a separate report.

## **SITE DESCRIPTION AND PROPOSED DEVELOPMENT**

The subject site generally consists of approximately 53 acres located southeast of the intersection of Indian Street and Gentian Avenue (See Figure 1). The site is bounded on the west by Indian Street, on the north by the eastward extension of Gentian Avenue, on the east by the California Aqueduct easement, and on the south by the westward extension of Santiago Drive. The attached Geotechnical Map (Figure 2) depicts the planned development area. Based on our past history on this site and recent site observations this site was used for agricultural purposes within the period of at least 1953 to 1980, and was otherwise vacant. At the time of our observation on August 25, 2016, the site is vacant with some local debris and concrete rubble. The property has been disced and some weeds and grasses exist throughout the property.

Based on the project Tentative Tract Map (Rick, 2016) we understand that the overall site will be developed to host 221 typical one- and two-story residential structures similar to those anticipated during our original site evaluation. Additionally, two bioretention basins are proposed in the southwest and southeast corners and approximately 2.8 acres in the center of the southern boundary are reserved for a park site. Grading will consist of cut and fill typically on the order of 2 to 3 feet. Remedial removal and recompaction will increase the fill thickness by approximately 3 feet. The maximum depth of excavation is approximately 9 feet for the southwest water quality Basin.

## **SUMMARY OF OBSERVATIONS AND UPDATED RECOMMENDATIONS**

Based on the above, it is our opinion that the proposed development is feasible from a geotechnical/geologic standpoint and may be constructed as planned provided the recommendations included the referenced soils report (Leighton, 2004) and those provided below are incorporated into the design and construction phases of development.

In case of conflict the recommendations presented below should superseded those previously included in the referenced soils report. However, if new rough grading plans become available, additional reviews and/or geotechnical evaluations will be required to confirm that the as-graded site conditions remain suitable for the proposed improvements.

### **Seismic Design Parameters**

For the purpose of structural design and based on current codes (2013 CBC) and utilizing a software program published by United States Geological Survey (USGS, 2016), the seismic design coefficients for this site are presented in table below:





<b>CBC Categorization/Coefficient</b>	<b>Value</b>
Site Latitude	<b>33.893976</b>
Site Longitude	<b>-117.232060</b>
Site Class Definition	<b>D</b>
Mapped Spectral Response Acceleration at 0.2s Period, $S_s$	<b>1.500 g</b>
Mapped Spectral Response Acceleration at 1s Period, $S_1$	<b>0.605 g</b>
Short Period Site Coefficient at 0.2s Period, $F_a$	<b>1.00</b>
Long Period Site Coefficient at 1s Period, $F_v$	<b>1.50</b>
Adjusted Spectral Response Acceleration at 0.2s Period, $S_{MS}$	<b>1.500 g</b>
Adjusted Spectral Response Acceleration at 1s Period, $S_{M1}$	<b>0.907 g</b>
Design Spectral Response Acceleration at 0.2s Period, $S_{DS}$	<b>1.000 g</b>
Design Spectral Response Acceleration at 1s Period, $S_{D1}$	<b>0.605 g</b>

g=Gravity acceleration

## PLANS AND SPECIFICATIONS

We recommend that the project rough grading plans and specifications be reviewed by the geotechnical consultant to determine whether the geotechnical recommendations in this and previous reports have been effectively implemented in the project design and remain applicable to the proposed development. Additional recommendations may be provided based on that review.

## LIMITATIONS

This report was prepared solely for the use of our client and his design consulting team, for the design of the proposed improvements described in this report, in accordance with generally accepted geotechnical engineering practices at this time in California. No warranty is expressed or implied.

This report was necessarily based in part upon data obtained from a limited number of observations and existing reports. Such information is necessarily incomplete. It should be understood that additional subsurface verification is necessary for the completion of the geotechnical evaluation of this site during construction. The nature of many sites is such that differing characteristics can be experienced within small distances and under various climatic conditions. Changes in subsurface conditions can, and do, occur over time.



This report is not authorized for use by, and is not to be relied upon by any party except, our client and/or his design team, with whom Leighton & Associates, Inc. has contracted for the work. In addition, this report is subject to review and approval by the City of Moreno Valley. Use of or reliance on this report by any other party prior to approval is at that party's risk. Unauthorized use of or reliance on this report constitutes an agreement to defend and indemnify Leighton & Associates, Inc. from and against any liability which may arise as a result of such use or reliance, regardless of any fault, negligence, or strict liability of Leighton & Associates, Inc.

If you have any questions regarding this report, please do not hesitate to contact this office. We appreciate the opportunity to be of service.

Respectfully submitted,

LEIGHTON & ASSOCIATES, INC.

  
  
 Kenneth E. Cox, GE 2793  
 Senior Project Engineer

  
  
 Robert F. Riha, CEG 1921  
 Sr. Principal Geologist

Attachments: References  
Site Location Map (Figure 1)  
Geotechnical Map (Figure 2)

Distribution: (1) Addressee (pdf via email)

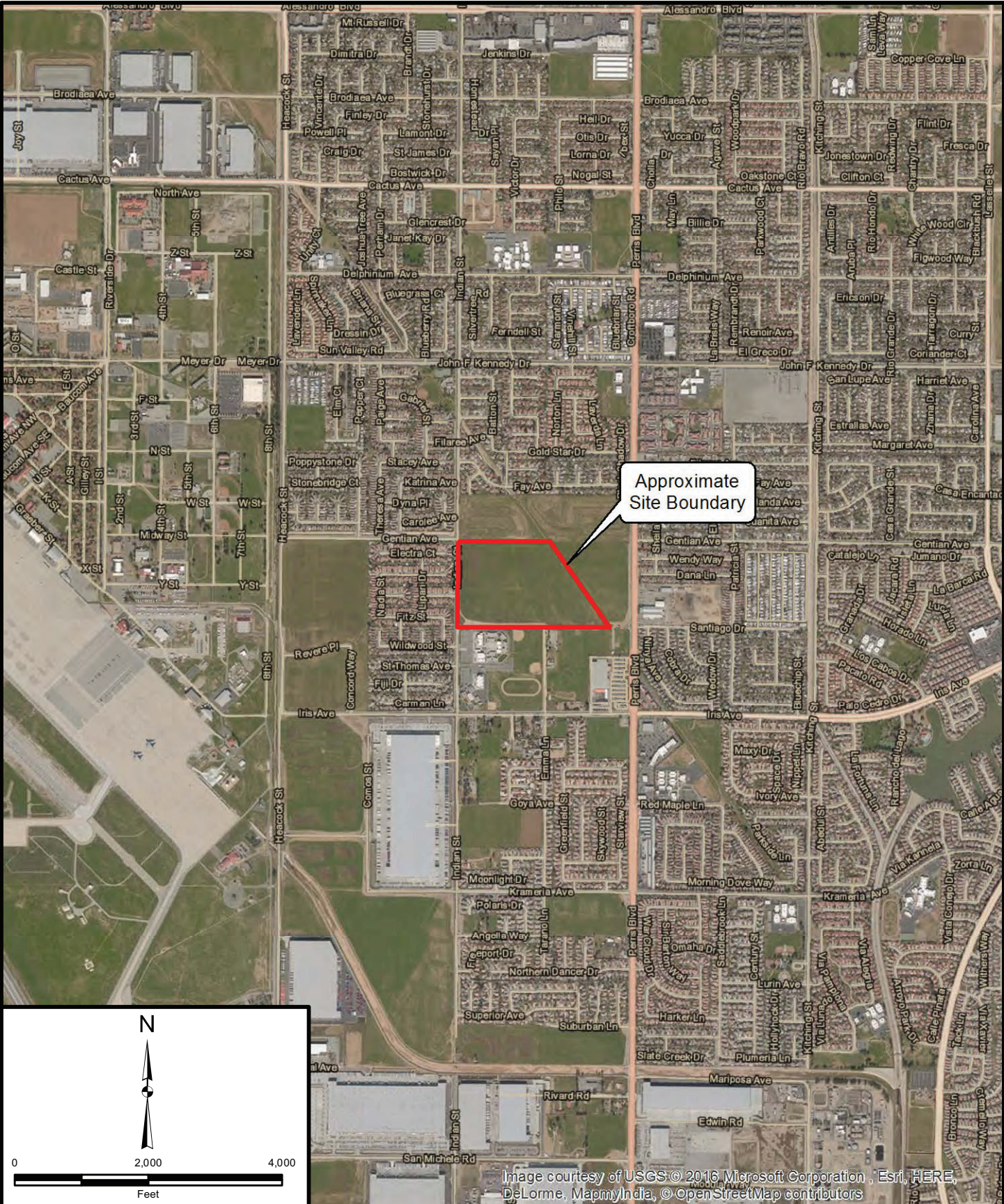


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- Rick Engineering Company, 2016, Tentative Tract 36760, Planned Unit Development, dated March 8, 2016, revised July 26, 2016, 60-scale, 1 sheet.
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Attachment: Updated Geotechnical Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF

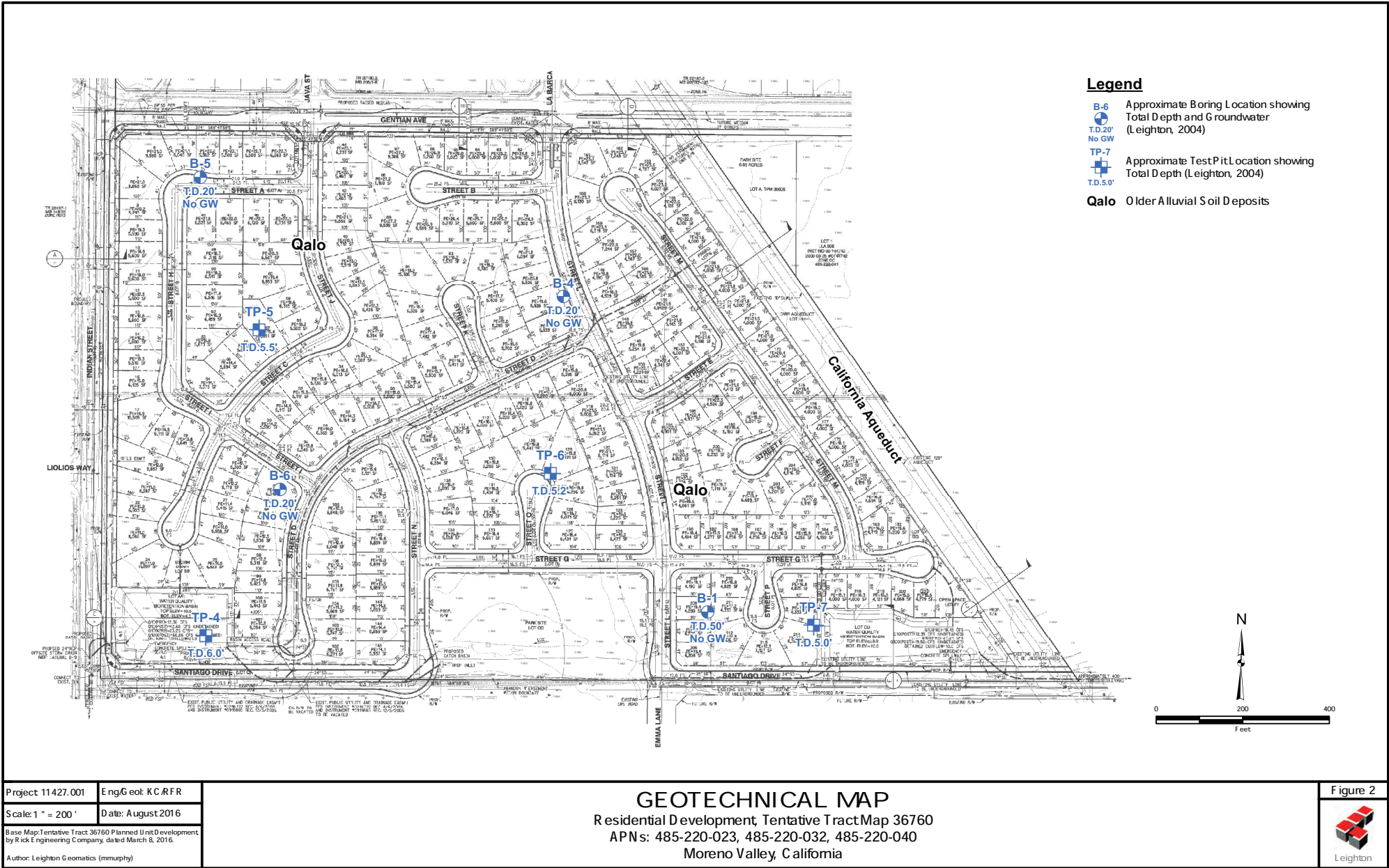
Project: 11427.001	Eng/Geol: KC/RFR
Scale: 1" = 2,000'	Date: August 2016
Base Map: ESRI ArcGIS Online 2016	
Thematic Information: Leighton	
Author: Leighton Geomatics (mmurphy)	

**SITE LOCATION MAP**  
 Residential Development, Tentative Tract Map 36760  
 APNs: 485-220-023, 485-220-032, 485-220-040  
 Moreno Valley, California

Figure 1

Leighton





Project 11427.001	Engineering: K.C.R.F.R.
Scale: 1" = 200'	Date: August 2016
Base Map: Tentative Tract 36760 Planned Unit Development by Rick Engineering Company, dated March 8, 2016.	
Author: Leighton Geomatics (mmurphy)	

**GEOTECHNICAL MAP**  
 Residential Development, Tentative Tract Map 36760  
 APNs: 485-220-023, 485-220-032, 485-220-040  
 Moreno Valley, California

Figure 2

E.1.2



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**Legacy Park (Tentative Tract  
Map No. 36760)  
GREENHOUSE GAS ANALYSIS  
CITY OF MORENO VALLEY**

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NOVEMBER 3, 2016

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09377-04 GHG Report

Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,





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## LIST OF ABBREVIATED TERMS

(1)	Reference
APS	Alternative Planning Organizations
ARB	California Air Resources Board
CAA	Federal Clean Air Act
CalEEMod	California Emissions Estimator Model
CalEPA	California Environmental Protection Agency
CAPCOA	California Air Pollution Control Officers Association
CARB	California Air Resource Board
CAT	Climate Action Team
CBSC	California Building Standards Commission
CEC	California Energy Commission
CCR	California Code of Regulations
CEQA	California Environmental Quality Act
CFC	Chlorofluorocarbons
CFR	Code of Federal Regulations
CH <sub>4</sub>	Methane
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
CO <sub>2</sub> e	Carbon Dioxide Equivalent
CPUC	California Public Utilities Commission
EPA	Environmental Protection Agency
EPS	Emission Performance Standard
GCC	Global Climate Change
GHGA	Greenhouse Gas Analysis
GWP	Global Warming Potential
HFC	Hydrofluorocarbons
LCA	Life-Cycle Analysis
MMs	Mitigation Measures
MMTCO <sub>2</sub> e	Million Metric Ton of Carbon Dioxide Equivalent
MPOs	Metropolitan Planning Organizations
MTCO <sub>2</sub> e	Metric Ton of Carbon Dioxide Equivalent
N <sub>2</sub> O	Nitrogen Dioxide
NIOSH	National Institute for Occupational Safety and Health
NO <sub>x</sub>	Oxides of Nitrogen
PFC	Perfluorocarbons
PM <sub>10</sub>	Particulate Matter 10 microns in diameter or less

PM2.5	Particulate Matter 2.5 microns in diameter or less
PPM	Parts Per Million
Project	Legacy Park (Tentative Tract Map No. 36760)
RTP	Regional Transportation Plan
SB	Senate Bill
SCAG	Southern California Association of Governments
SCAQMD	South Coast Air Quality Management District
SCS	Sustainable Communities Strategies
UNFCCC	United Nations' Framework Convention on Climate Change
VOC	Volatile Organic Compounds

Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

## EXECUTIVE SUMMARY

### SUMMARY OF FINDINGS

The City of Moreno Valley has not adopted its own numeric threshold of significance for determining impacts with respect to greenhouse gas (GHG) emissions. The SCAQMD has convened a GHG CEQA Significance Threshold Working Group (Working Group). Based on the last Working Group meeting (Meeting No. 15) held in September 2010, SCAQMD is proposing to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency. SCAQMD had proposed a Project level efficiency significance threshold, in which a 2020 statewide population and employment for land use sectors was divided by 2020 statewide service population (SP), amounting to a 4.8 MTCO<sub>2</sub>e per service population threshold (1). The City will utilize the Project level efficiency significance threshold approach recommended in the SCAQMD's Interim Thresholds document for commercial, residential, and mixed use projects.

Thus, and based on guidance from the SCAQMD, if a residential project would emit GHGs less than 4.8 MTCO<sub>2</sub>e per service population, the project is not considered a substantial GHG emitter and the GHG impact is less than significant. On the other hand, if a residential project would emit GHGs in excess of 4.8 MTCO<sub>2</sub>e per service population, then the project could be considered a substantial GHG emitter, requiring additional analysis and potential mitigation.

As shown in Table ES-1, the proposed project would result in approximately 4.62 MTCO<sub>2</sub>e per service population and would not exceed the threshold of 4.8 MTCO<sub>2</sub>e per service population. Therefore, project-related emissions would not have a significant direct or indirect impact on GHG and climate change.

**TABLE ES-1: TOTAL PROJECT GREENHOUSE GAS EMISSIONS (ANNUAL)**

Emission Source	Emissions (metric tons per year)			
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	Total CO <sub>2</sub> E
Annual construction-related emissions amortized over 30 years	37.06	4.16E-03	0.00	37.16
Area	56.79	4.63E-03	9.70E-04	57.20
Energy	888.47	4.00E-02	1.00E-02	523.66
Mobile Source	3,157.07	1.60E-01	0	3,161.18
Waste	52.60	3.11	0.00	130.31
Water Usage	67.33	0.47	1.00E-02	82.69
<b>Total CO<sub>2</sub>E (All Sources)</b>	<b>3,992.20</b>			
<b>Total Service Population (Persons Per Household)</b>	<b>864</b>			
<b>Total CO<sub>2</sub>E (All Sources/ Service Population))</b>	<b>4.62</b>			
<b>Threshold (Persons Per Household)</b>	<b>4.8</b>			
<b>Significant?</b>	<b>NO</b>			



**The Project would not conflict with the City of Moreno Valley Energy Efficiency and Climate Action Strategy**

The Project is consistent with and supports the City of Moreno Valley Energy Efficiency and Climate Action Strategy (CAS), which is the applicable plan, policy or regulation adopted for the purpose of reducing greenhouse gases. Project consistency with the CAS is detailed in Section 2.10.

**CONSTRUCTION AND OPERATIONAL-SOURCE MITIGATION MEASURES**

No significant impacts were identified, therefore, no mitigation measures are required.

# 1 INTRODUCTION

This report presents the results of the greenhouse gas analysis (GHGA) prepared by Urban Crossroads, Inc., for the proposed Legacy Park (Tentative Tract Map No. 36760) Project (referred to as “Project”).

The purpose of this GHGA is to evaluate Project-related construction and operational emissions and determine the level of greenhouse gas (GHG) impacts as a result of constructing and operating the proposed Project.

## 1.1 SITE LOCATION

The proposed Legacy Park (Tentative Tract Map No. 36760) site is located on the southeast corner of Indian Street and Gentian Avenue in the City of Moreno Valley. The Project site is currently vacant. Residential land uses are located west of the Project site. The vacant land use located adjacent north and east of the Project site is designated as Residential and Commercial, respectively. March Middle School is located adjacent south of the Project. The Interstate 215 (I-215) Freeway is located approximately 2.20 miles west of the Project site.

## 1.2 PROJECT DESCRIPTION

The Project consists of 221 single family residential dwelling units, as shown on Exhibit 1-A.

For the purposes of this AQIA, it is assumed that the Project will be constructed and at full occupancy by 2021.

## 1.3 REGULATORY REQUIREMENTS

The Project would be required to comply with all mandates imposed by the State of California and the South Coast Air Quality Management District aimed at the reduction of air quality emissions. Those that are applicable to the Project and that would assist in the reduction of greenhouse gas emissions are:

- Global Warming Solutions Act of 2006 (AB32) (2)
- Regional GHG Emissions Reduction Targets/Sustainable Communities Strategies (SB 375) (3)
- Paveley Fuel Efficiency Standards (AB1493). Establishes fuel efficiency ratings for new vehicles (4).
- Title 24 California Code of Regulations (California Building Code). Establishes energy efficiency requirements for new construction (5).
- Title 20 California Code of Regulations (Appliance Energy Efficiency Standards). Establishes energy efficiency requirements for appliances (6).
- Title 17 California Code of Regulations (Low Carbon Fuel Standard). Requires carbon content of fuel sold in California to be 10% less by 2020 (7).
- California Water Conservation in Landscaping Act of 2006 (AB1881). Requires local agencies to adopt the Department of Water Resources updated Water Efficient Landscape Ordinance or

equivalent by January 1, 2010 to ensure efficient landscapes in new development and reduced water waste in existing landscapes (8).

- Statewide Retail Provider Emissions Performance Standards (SB 1368). Requires energy generators to achieve performance standards for GHG emissions (9).
- Renewable Portfolio Standards (SB 1078). Requires electric corporations to increase the amount of energy obtained from eligible renewable energy resources to 20 percent by 2010 and 33 percent by 2020 (10).

Promulgated regulations that will affect the Project's emissions are accounted for in the Project's GHG calculations provided in this report. In particular, the Pavley Standards, Low Carbon Fuel Standards, and Renewable Portfolio Standards (RPS) will be in effect for the AB 32 target year of 2020, and therefore are accounted for in the Project's emission calculations.

#### 1.4 PROJECT DESIGN FEATURES

Energy-saving and sustainable design features and operational programs would be incorporated into facilities developed pursuant to the currently-proposed Legacy Park (Tentative Tract Map No. 36760). The Project also incorporates and expresses the following design features and attributes promoting energy efficiency and sustainability. Because these features/attributes are integral to the Project, and/or are regulatory requirements, they are not considered to be mitigation measures.

- Regional vehicle miles traveled (VMT) and associated vehicular-source emissions are reduced by the following Project design features/attributes:
  - Pedestrian connections shall be provided to surrounding areas consistent with the City's General Plan. Providing a pedestrian access network to link areas of the Project site encourages people to walk instead of drive. The Project would provide a pedestrian access network that internally links all uses. The Project would minimize barriers to pedestrian access and interconnectivity.
  - The Project's proposed collocation of varied residential, school, park, and open spaces within ¼ mile proximity together with supporting amenities would tend to decrease the propensity for vehicle travel for local residents.

#### 1.5 CONSTRUCTION AND OPERATIONAL-SOURCE MITIGATION MEASURES

No significant impacts were identified, therefore, no mitigation measures are required.

EXHIBIT 1-A: SITE PLAN



Attachment: Greenhouse Gas Analysis (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

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Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,



## 2 CLIMATE CHANGE SETTING

### 2.1 INTRODUCTION TO GLOBAL CLIMATE CHANGE

Global Climate Change (GCC) is defined as the change in average meteorological conditions on the earth with respect to temperature, precipitation, and storms. GCC is currently one of the most controversial environmental issues in the United States, and much debate exists within the scientific community about whether or not GCC is occurring naturally or as a result of human activity. Some data suggests that GCC has occurred in the past over the course of thousands or millions of years. These historical changes to the Earth's climate have occurred naturally without human influence, as in the case of an ice age. However, many scientists believe that the climate shift taking place since the industrial revolution (1900) is occurring at a quicker rate and magnitude than in the past. Scientific evidence suggests that GCC is the result of increased concentrations of greenhouse gases in the earth's atmosphere, including carbon dioxide, methane, nitrous oxide, and fluorinated gases. Many scientists believe that this increased rate of climate change is the result of greenhouse gases resulting from human activity and industrialization over the past 200 years.

An individual project like the proposed Project evaluated in this GHGA cannot generate enough greenhouse gas emissions to affect a discernible change in global climate. However, the proposed Project may participate in the potential for GCC by its incremental contribution of greenhouse gasses combined with the cumulative increase of all other sources of greenhouse gases, which when taken together constitute potential influences on GCC. Because these changes may have serious environmental consequences, Section 3.0 will evaluate the potential for the proposed Project to have a significant effect upon the environment as a result of its potential contribution to the greenhouse effect.

### 2.2 GREENHOUSE GAS EMISSIONS INVENTORIES

#### *Global*

Worldwide anthropogenic (man-made) GHG emissions are tracked by the Intergovernmental Panel on Climate Change for industrialized nations (referred to as Annex I) and developing nations (referred to as Non-Annex I). Man-made GHG emissions data for Annex I nations are available through 2012. For the Year 2012 the sum of these emissions totaled approximately 28,865,994 Gg CO<sub>2</sub>e<sup>1</sup> (11) (12). The GHG emissions in more recent years may differ from the inventories presented in Table 2-1; however, the data is representative of currently available inventory data.

#### United States

As noted in Table 2-1, the United States, as a single country, was the number two producer of GHG emissions in 2012. The primary greenhouse gas emitted by human activities in the United

<sup>1</sup> The global emissions are the sum of Annex I and non-Annex I countries, without counting Land-Use, Land-Use Change and Forestry (LULUCF). For countries without 2005 data, the UNFCCC data for the most recent year were used. United Nations Framework Convention on Climate Change, "Annex I Parties – GHG total without LULUCF,"



States was CO<sub>2</sub>, representing approximately 83 percent of total greenhouse gas emissions (13). Carbon dioxide from fossil fuel combustion, the largest source of US greenhouse gas emissions, accounted for approximately 78 percent of the GHG emissions.

**TABLE 2-1: TOP GHG PRODUCER COUNTRIES AND THE EUROPEAN UNION<sup>2</sup>**

<b>Emitting Countries</b>	<b>GHG Emissions (Gg CO<sub>2</sub>e)</b>
China	10,975,500
United States	6,665,700
European Union (27 member countries)	4,544,224
India	3,013,770
Russian Federation	2,322,220
Japan	1,344,580
<b>Total</b>	<b>28,865,994</b>

### *State of California*

CARB compiles GHG inventories for the State of California. CARB GHG inventory data indicates that in 2013 (the most recent inventory of record) California GHG emissions totaled approximately 459.3 Million Metric Tons of Carbon Dioxide Equivalent (MMT<sub>CO<sub>2</sub>e</sub>).<sup>3</sup> “In 2010, California accounted for 6.8 percent of all emissions in the country [United States], and ranked second highest among the states with total emissions of 453 MMT<sub>CO<sub>2</sub>e</sub>, only behind Texas with 763 MMT<sub>CO<sub>2</sub>e</sub>. From a per capita standpoint, California has the 45th lowest emissions with 12.1 MMT<sub>CO<sub>2</sub>e</sub> /person in 2010.”<sup>4</sup>

## **2.3 GLOBAL CLIMATE CHANGE DEFINED**

Global Climate Change (GCC) refers to the change in average meteorological conditions on the earth with respect to temperature, wind patterns, precipitation and storms. Global temperatures are regulated by naturally occurring atmospheric gases such as water vapor, CO<sub>2</sub> (Carbon Dioxide), N<sub>2</sub>O (Nitrous Oxide), CH<sub>4</sub> (Methane), hydrofluorocarbons, perfluorocarbons and sulfur hexafluoride. These particular gases are important due to their residence time (duration they stay) in the atmosphere, which ranges from 10 years to more than 100 years. These gases allow solar radiation into the Earth’s atmosphere, but prevent radioactive heat from escaping, thus warming the Earth’s atmosphere. GCC can occur naturally as it has in the past with the previous ice ages. According to the CARB, the climate change since the industrial revolution differs from previous climate changes in both rate and magnitude (14).

Gases that trap heat in the atmosphere are often referred to as greenhouse gases. Greenhouse gases are released into the atmosphere by both natural and anthropogenic (human) activity.

<sup>2</sup> Used <http://unfccc.int> data for Annex I countries. Consulted the CAIT Climate Data Explorer <http://www.wrig.org> site to reference Non-Annex I countries such as China and India.

<sup>3</sup> Cal EPA. “California Greenhouse Gas Emission Inventory - 2015 Edition.” California’s Greenhouse Gas Emission Inventory. Cal EPA, n.d. Web. 29 Oct. 2015.

<sup>4</sup> California Environmental Protection Agency. Air Resources Board. California’s Greenhouse Gas Emission Inventory - 2014 Edition (May 2014), p. 28.

Without the natural greenhouse gas effect, the Earth's average temperature would be approximately 61° Fahrenheit (F) cooler than it is currently. The cumulative accumulation of these gases in the earth's atmosphere is considered to be the cause for the observed increase in the earth's temperature.

Although California's rate of growth of greenhouse gas emissions is slowing, the state is still a substantial contributor to the U.S. emissions inventory total. In 2004, California is estimated to have produced 492 million gross metric tons of carbon dioxide equivalent (CO<sub>2</sub>e) greenhouse gas emissions. Despite a population increase of 16 percent from 1990 to 2004, California has significantly slowed the rate of growth of greenhouse gas emissions due to the implementation of energy efficiency programs as well as adoption of strict emission controls (15).

## 2.4 GREENHOUSE GASES

For the purposes of this analysis, emissions of carbon dioxide, methane, and nitrous oxide were evaluated (see Table 3-1 later in this report) because these gasses are the primary contributors to GCC from development projects. Although other substances such as fluorinated gases also contribute to GCC, sources of fluorinated gases are not well-defined and no accepted emissions factors or methodology exist to accurately calculate these gases.

Greenhouse gases have varying global warming potential (GWP) values; GWP values represent the potential of a gas to trap heat in the atmosphere. Carbon dioxide is utilized as the reference gas for GWP, and thus has a GWP of 1.

The atmospheric lifetime and GWP of selected greenhouse gases are summarized at Table 2-2. As shown in the table below, GWP range from 1 for carbon dioxide to 23,900 for sulfur hexafluoride.

**TABLE 2-2: GLOBAL WARMING POTENTIAL AND ATMOSPHERIC LIFETIME OF SELECT GHGS**

Gas	Atmospheric Lifetime (years)	Global Warming Potential (100 year time horizon)	
		Second Assessment Report (SAR)	4 <sup>th</sup> Assessment Report (AR4)
Carbon Dioxide	50-200	1	1
Methane	12 ± 3	21	25
Nitrous Oxide	120	310	298
HFC-23	264	11,700	14,800
HFC-134a	14.6	1,300	1,430
HFC-152a	1.5	140	124
Sulfur Hexafluoride (SF <sub>6</sub> )	3,200	23,900	22,800

Source: Table 2.14 of the IPCC Fourth Assessment Report, 2007

Water Vapor: Water vapor (H<sub>2</sub>O) is the most abundant, important, and variable greenhouse gas in the atmosphere. Water vapor is not considered a pollutant; in the atmosphere it maintains a climate necessary for life. Changes in its concentration are primarily considered to be a result of climate feedbacks related to the warming of the atmosphere rather than a direct result of industrialization. A climate feedback is an indirect, or secondary, change, either positive or negative, that occurs within the climate system in response to a forcing mechanism. The feedback loop in which water is involved is critically important to projecting future climate change.

As the temperature of the atmosphere rises, more water is evaporated from ground storage (rivers, oceans, reservoirs, soil). Because the air is warmer, the relative humidity can be higher (in essence, the air is able to ‘hold’ more water when it is warmer), leading to more water vapor in the atmosphere. As a GHG, the higher concentration of water vapor is then able to absorb more thermal indirect energy radiated from the Earth, thus further warming the atmosphere. The warmer atmosphere can then hold more water vapor and so on and so on. This is referred to as a “positive feedback loop.” The extent to which this positive feedback loop will continue is unknown as there are also dynamics that hold the positive feedback loop in check. As an example, when water vapor increases in the atmosphere, more of it will eventually also condense into clouds, which are more able to reflect incoming solar radiation (thus allowing less energy to reach the Earth’s surface and heat it up).

There are no human health effects from water vapor itself; however, when some pollutants come in contact with water vapor, they can dissolve and the water vapor can then act as a pollutant-carrying agent. The main source of water vapor is evaporation from the oceans (approximately 85 percent). Other sources include: evaporation from other water bodies, sublimation (change from solid to gas) from sea ice and snow, and transpiration from plant leaves.

Carbon Dioxide: Carbon dioxide (CO<sub>2</sub>) is an odorless and colorless GHG. Outdoor levels of carbon dioxide are not high enough to result in negative health effects. Carbon dioxide is emitted from natural and manmade sources. Natural sources include: the decomposition of dead organic matter; respiration of bacteria, plants, animals and fungus; evaporation from oceans; and volcanic outgassing. Anthropogenic sources include: the burning of coal, oil, natural gas, and wood. Carbon dioxide is naturally removed from the air by photosynthesis, dissolution into ocean water, transfer to soils and ice caps, and chemical weathering of carbonate rocks (16).

Since the industrial revolution began in the mid-1700s, the sort of human activity that increases GHG emissions has increased dramatically in scale and distribution. Data from the past 50 years suggests a corollary increase in levels and concentrations. As an example, prior to the industrial revolution, CO<sub>2</sub> concentrations were fairly stable at 280 parts per million (ppm). Today, they are around 370 ppm, an increase of more than 30 percent. Left unchecked, the concentration of carbon dioxide in the atmosphere is projected to increase to a minimum of 540 ppm by 2100 as a direct result of anthropogenic sources (17).

Methane: Methane (CH<sub>4</sub>) is an extremely effective absorber of radiation, though its atmospheric concentration is less than carbon dioxide and its lifetime in the atmosphere is brief (10-12 years), compared to other GHGs. No health effects are known to occur from exposure to methane.

Methane has both natural and anthropogenic sources. It is released as part of the biological processes in low oxygen environments, such as in swamplands or in rice production (at the roots of the plants). Over the last 50 years, human activities such as growing rice, raising cattle, using natural gas, and mining coal have added to the atmospheric concentration of methane. Other anthropocentric sources include fossil-fuel combustion and biomass burning.

Nitrous Oxide: Nitrous oxide (N<sub>2</sub>O), also known as laughing gas, is a colorless greenhouse gas. Nitrous oxide can cause dizziness, euphoria, and sometimes slight hallucinations. In small doses, it is considered harmless. However, in some cases, heavy and extended use can cause Olney's Lesions (brain damage) (18).

Concentrations of nitrous oxide also began to rise at the beginning of the industrial revolution. In 1998, the global concentration was 314 parts per billion (ppb). Nitrous oxide is produced by microbial processes in soil and water, including those reactions which occur in fertilizer containing nitrogen. In addition to agricultural sources, some industrial processes (fossil fuel-fired power plants, nylon production, nitric acid production, and vehicle emissions) also contribute to its atmospheric load. It is used as an aerosol spray propellant, i.e., in whipped cream bottles. It is also used in potato chip bags to keep chips fresh. It is used in rocket engines and in race cars. Nitrous oxide can be transported into the stratosphere, be deposited on the Earth's surface, and be converted to other compounds by chemical reaction

Chlorofluorocarbons: Chlorofluorocarbons (CFCs) are gases formed synthetically by replacing all hydrogen atoms in methane or ethane (C<sub>2</sub>H<sub>6</sub>) with chlorine and/or fluorine atoms. CFCs are nontoxic, nonflammable, insoluble and chemically unreactive in the troposphere (the level of air at the Earth's surface). CFCs are no longer being used; therefore, it is not likely that health effects would be experienced. Nonetheless, in confined indoor locations, working with CFC-113 or other CFCs is thought to result in death by cardiac arrhythmia (heart frequency too high or too low) or asphyxiation.

CFCs have no natural source, but were first synthesized in 1928. They were used for refrigerants, aerosol propellants and cleaning solvents. Due to the discovery that they are able to destroy stratospheric ozone, a global effort to halt their production was undertaken and was extremely successful, so much so that levels of the major CFCs are now remaining steady or declining. However, their long atmospheric lifetimes mean that some of the CFCs will remain in the atmosphere for over 100 years.

Hydrofluorocarbons: Hydrofluorocarbons (HFCs) are synthetic, man-made chemicals that are used as a substitute for CFCs. Out of all the greenhouse gases, they are one of three groups with the highest global warming potential. The HFCs with the largest measured atmospheric abundances are (in order), HFC-23 (CHF<sub>3</sub>), HFC-134a (CF<sub>3</sub>CH<sub>2</sub>F), and HFC-152a (CH<sub>3</sub>CHF<sub>2</sub>). Prior to 1990, the only significant emissions were of HFC-23. HFC-134a emissions are increasing

due to its use as a refrigerant. The U.S. EPA estimates that concentrations of HFC-23 and HFC-134a are now about 10 parts per trillion (ppt) each; and that concentrations of HFC-152a are about 1 ppt (19). No health effects are known to result from exposure to HFCs, which are manmade for applications such as automobile air conditioners and refrigerants.

Perfluorocarbons: Perfluorocarbons (PFCs) have stable molecular structures and do not break down through chemical processes in the lower atmosphere. High-energy ultraviolet rays, which occur about 60 kilometers above Earth's surface, are able to destroy the compounds. Because of this, PFCs have very long lifetimes, between 10,000 and 50,000 years. Two common PFCs are tetrafluoromethane (CF<sub>4</sub>) and hexafluoroethane (C<sub>2</sub>F<sub>6</sub>). The U.S. EPA estimates that concentrations of CF<sub>4</sub> in the atmosphere are over 70 ppt.

No health effects are known to result from exposure to PFCs. The two main sources of PFCs are primary aluminum production and semiconductor manufacture.

Sulfur Hexafluoride: Sulfur hexafluoride (SF<sub>6</sub>) is an inorganic, odorless, colorless, nontoxic, nonflammable gas. It also has the highest GWP of any gas evaluated (23,900). The U.S. EPA indicates that concentrations in the 1990s were about 4 ppt. In high concentrations in confined areas, the gas presents the hazard of suffocation because it displaces the oxygen needed for breathing.

Sulfur hexafluoride is used for insulation in electric power transmission and distribution equipment, in the magnesium industry, in semiconductor manufacturing, and as a tracer gas for leak detection.

## 2.5 EFFECTS OF CLIMATE CHANGE IN CALIFORNIA

### *Public Health*

Higher temperatures may increase the frequency, duration, and intensity of conditions conducive to air pollution formation. For example, days with weather conducive to ozone formation could increase from 25 to 35 percent under the lower warming range to 75 to 85 percent under the medium warming range. In addition, if global background ozone levels increase as predicted in some scenarios, it may become impossible to meet local air quality standards. Air quality could be further compromised by increases in wildfires, which emit fine particulate matter that can travel long distances, depending on wind conditions. The Climate Scenarios report indicates that large wildfires could become up to 55 percent more frequent if GHG emissions are not significantly reduced.

In addition, under the higher warming range scenario, there could be up to 100 more days per year with temperatures above 90oF in Los Angeles and 95oF in Sacramento by 2100. This is a large increase over historical patterns and approximately twice the increase projected if temperatures remain within or below the lower warming range. Rising temperatures could increase the risk of death from dehydration, heat stroke/exhaustion, heart attack, stroke, and respiratory distress caused by extreme heat.

### *Water Resources*

A vast network of man-made reservoirs and aqueducts captures and transports water throughout the state from northern California rivers and the Colorado River. The current distribution system relies on Sierra Nevada snowpack to supply water during the dry spring and summer months. Rising temperatures, potentially compounded by decreases in precipitation, could severely reduce spring snowpack, increasing the risk of summer water shortages.

If temperatures continue to increase, more precipitation could fall as rain instead of snow, and the snow that does fall could melt earlier, reducing the Sierra Nevada spring snowpack by as much as 70 to 90 percent. Under the lower warming range scenario, snowpack losses could be only half as large as those possible if temperatures were to rise to the higher warming range. How much snowpack could be lost depends in part on future precipitation patterns, the projections for which remain uncertain. However, even under the wetter climate projections, the loss of snowpack could pose challenges to water managers and hamper hydropower generation. It could also adversely affect winter tourism. Under the lower warming range, the ski season at lower elevations could be reduced by as much as a month. If temperatures reach the higher warming range and precipitation declines, there might be many years with insufficient snow for skiing and snowboarding.

The State's water supplies are also at risk from rising sea levels. An influx of saltwater could degrade California's estuaries, wetlands, and groundwater aquifers. Saltwater intrusion caused by rising sea levels is a major threat to the quality and reliability of water within the southern edge of the Sacramento/San Joaquin River Delta – a major fresh water supply.

### *Agriculture*

Increased temperatures could cause widespread changes to the agriculture industry reducing the quantity and quality of agricultural products statewide. First, California farmers could possibly lose as much as 25 percent of the water supply they need. Although higher CO<sub>2</sub> levels can stimulate plant production and increase plant water-use efficiency, California's farmers could face greater water demand for crops and a less reliable water supply as temperatures rise. Crop growth and development could change, as could the intensity and frequency of pest and disease outbreaks. Rising temperatures could aggravate O<sub>3</sub> pollution, which makes plants more susceptible to disease and pests and interferes with plant growth.

Plant growth tends to be slow at low temperatures, increasing with rising temperatures up to a threshold. However, faster growth can result in less-than-optimal development for many crops, so rising temperatures could worsen the quantity and quality of yield for a number of California's agricultural products. Products likely to be most affected include wine grapes, fruits and nuts.

In addition, continued global climate change could shift the ranges of existing invasive plants and weeds and alter competition patterns with native plants. Range expansion could occur in many species while range contractions may be less likely in rapidly evolving species with significant populations already established. Should range contractions occur, new or different weed species could fill the emerging gaps. Continued global climate change could alter the



abundance and types of many pests, lengthen pests' breeding season, and increase pathogen growth rates.

### *Forests and Landscapes*

Global climate change has the potential to intensify the current threat to forests and landscapes by increasing the risk of wildfire and altering the distribution and character of natural vegetation. If temperatures rise into the medium warming range, the risk of large wildfires in California could increase by as much as 55 percent, which is almost twice the increase expected if temperatures stay in the lower warming range. However, since wildfire risk is determined by a combination of factors, including precipitation, winds, temperature, and landscape and vegetation conditions, future risks will not be uniform throughout the state. In contrast, wildfires in northern California could increase by up to 90 percent due to decreased precipitation.

Moreover, continued global climate change has the potential to alter natural ecosystems and biological diversity within the state. For example, alpine and subalpine ecosystems could decline by as much as 60 to 80 percent by the end of the century as a result of increasing temperatures. The productivity of the state's forests has the potential to decrease as a result of global climate change.

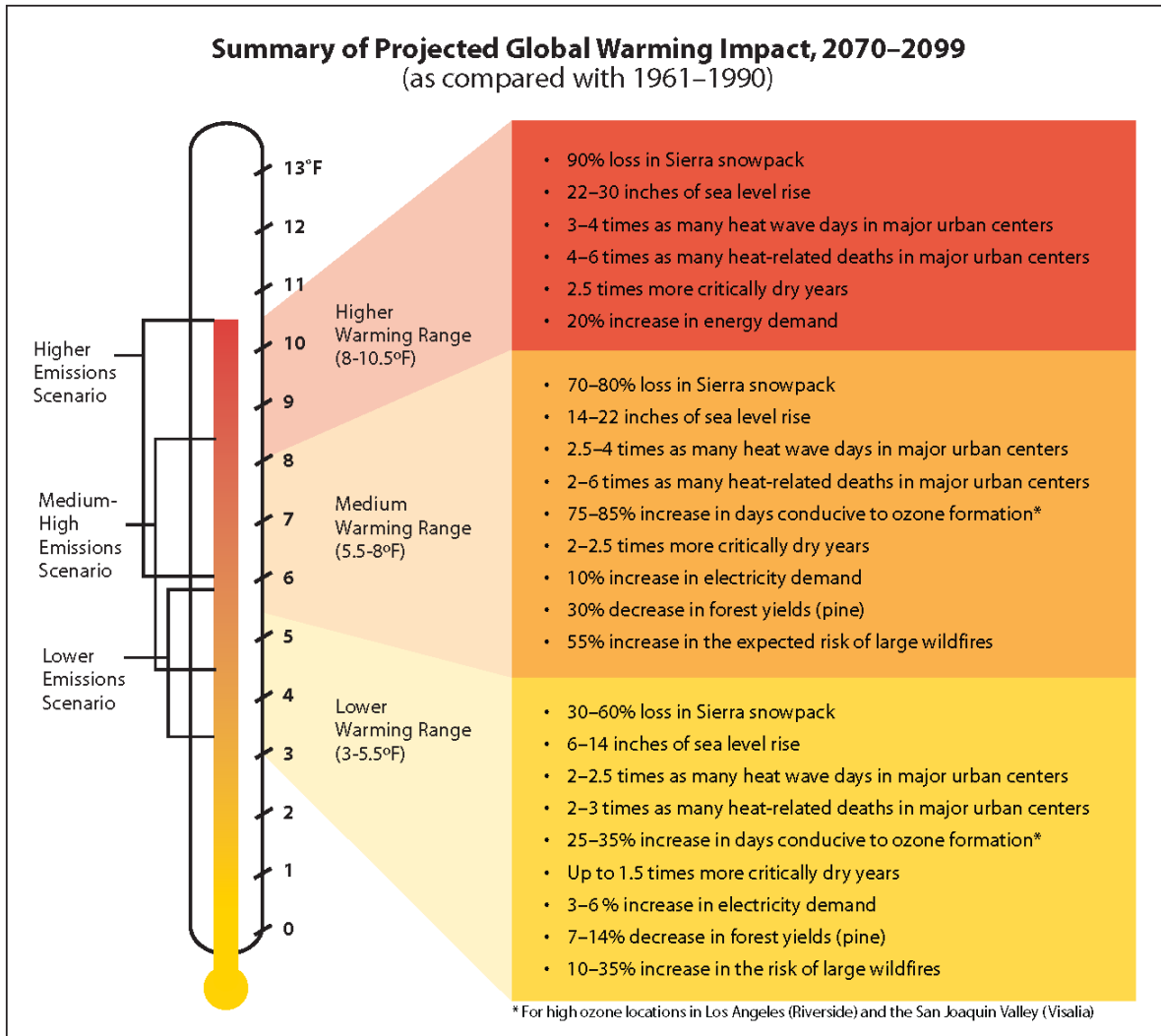
### *Rising Sea Levels*

Rising sea levels, more intense coastal storms, and warmer water temperatures could increasingly threaten the state's coastal regions. Under the higher warming range scenario, sea level is anticipated to rise 22 to 35 inches by 2100. Elevations of this magnitude would inundate low-lying coastal areas with salt water, accelerate coastal erosion, threaten vital levees and inland water systems, and disrupt wetlands and natural habitats. Under the lower warming range scenario, sea level could rise 12-14 inches.

## **2.6 HUMAN HEALTH EFFECTS**

The potential health effects related directly to the emissions of carbon dioxide, methane, and nitrous oxide as they relate to development projects such as the proposed Project are still being debated in the scientific community. Their cumulative effects to global climate change have the potential to cause adverse effects to human health. Increases in Earth's ambient temperatures would result in more intense heat waves, causing more heat-related deaths. Scientists also purport that higher ambient temperatures would increase disease survival rates and result in more widespread disease. Climate change will likely cause shifts in weather patterns, potentially resulting in devastating droughts and food shortages in some areas (20). Exhibit 2-A presents the potential impacts of global warming.

**EXHIBIT 2-A: SUMMARY OF PROJECTED GLOBAL WARMING IMPACT**



Specific health effects associated with directly emitted GHG emissions are as follows:

**Water Vapor:** There are no known direct health effects related to water vapor at this time. It should be noted however that when some pollutants react with water vapor, the reaction forms a transport mechanism for some of these pollutants to enter the human body through water vapor.

**Carbon Dioxide:** According to the National Institute for Occupational Safety and Health (NIOSH) high concentrations of carbon dioxide can result in health effects such as: headaches, dizziness, restlessness, difficulty breathing, sweating, increased heart rate, increased cardiac output, increased blood pressure, coma, asphyxia, and/or convulsions. It should be noted that current concentrations of carbon dioxide in the earth’s atmosphere are estimated to be approximately 370 parts per million (ppm), the actual reference exposure level (level at which adverse health effects typically occur) is at exposure levels of 5,000 ppm averaged over 10 hours in a 40-hour

workweek and short-term reference exposure levels of 30,000 ppm averaged over a 15-minute period (21).

**Methane:** Methane is extremely reactive with oxidizers, halogens, and other halogen-containing compounds. Methane is also an asphyxiant and may displace oxygen in an enclosed space (22).

**Nitrous Oxide:** Nitrous Oxide is often referred to as laughing gas; it is a colorless greenhouse gas. The health effects associated with exposure to elevated concentrations of nitrous oxide include dizziness, euphoria, slight hallucinations, and in extreme cases of elevated concentrations nitrous oxide can also cause brain damage (22).

**Fluorinated Gases:** High concentrations of fluorinated gases can also result in adverse health effects such as asphyxiation, dizziness, headache, cardiovascular disease, cardiac disorders, and in extreme cases, increased mortality (21).

**Aerosols:** The health effects of aerosols are similar to that of other fine particulate matter. Thus aerosols can cause elevated respiratory and cardiovascular diseases as well as increased mortality (23).

## 2.7 REGULATORY SETTING

### International Regulation and the Kyoto Protocol:

In 1988, the United Nations established the Intergovernmental Panel on Climate Change to evaluate the impacts of global warming and to develop strategies that nations could implement to curtail global climate change. In 1992, the United States joined other countries around the world in signing the United Nations' Framework Convention on Climate Change (UNFCCC) agreement with the goal of controlling greenhouse gas emissions. As a result, the Climate Change Action Plan was developed to address the reduction of GHGs in the United States. The Plan currently consists of more than 50 voluntary programs for member nations to adopt.

The Kyoto protocol is a treaty made under the UNFCCC and was the first international agreement to regulate GHG emissions. Some have estimated that if the commitments outlined in the Kyoto protocol are met, global GHG emissions could be reduced an estimated five percent from 1990 levels during the first commitment period of 2008-2012. Notably, while the United States is a signatory to the Kyoto protocol, Congress has not ratified the Protocol and the United States is not bound by the Protocol's commitments. In December 2009, international leaders from 192 nations met in Copenhagen to address the future of international climate change commitments post-Kyoto.

### Climate Action Plan

On June 25, 2013, President Obama announced the Climate Action Plan, a national plan for tackling climate change. This marked a historic turning point, as the President used his executive authority to push forward a climate change agenda. The plan, divided in to three sections, outlines the steps to cut carbon pollution in the United States, including standards for

both new and existing power plants, action to prepare the US for the impacts of climate change, and plans to lead international efforts to address global climate change (24).

### Clean Power Plan

In June 2014, the Environmental Protection Agency (EPA) proposed the Clean Power Plan – the first-ever carbon pollution standards for existing power plants that will protect the health of our children and put our nation on the path toward a 30 percent reduction in carbon pollution from the power sector by 2030. Power plants are the largest single source of carbon pollution, accounting for about one-third of all domestic greenhouse gas emissions. The Clean Power Plan will set standards for carbon pollution from power plants, just as we have set limits on power plant emissions of arsenic, mercury, sulfur dioxide, nitrogen oxides, and soot.

In November 2014, in a historic joint announcement with China, President Obama laid out an ambitious but achievable target to reduce greenhouse gas emissions in the United States in the range of 26 to 28 percent below 2005 levels by 2025, while China announced its intent to peak carbon emissions around 2030 and to double its share of zero-carbon energy to 20 percent. The announcement was a historic step for climate change action and for the U.S.-China relationship, as the world's two largest economies, energy consumers, and carbon emitters came together to demonstrate leadership on an issue that affects the entire world (25).

### 2015 United Nations Paris Climate Change Conference

On December 12, 2015, which marks the 11th meeting of the Parties to the Kyoto Protocol, 195 nations, including the United States and China, agreed upon a strategy for combatting global climate change to be in effect in 2020. This historic meeting, known as the 21st annual Conference of the Parties (COP21), focused on five key elements: mitigation, a transparency system and global stock-take, adaptation, loss and damage, and support.

In mitigating global climate change, COP 21 participating nations agreed upon a universal long-term goal of keeping the global temperature to well below 2°C or 3.6°F well above pre-industrial levels. The agreement also encouraged participating nations to limit temperature increases even further to 1.5°C or 2.7°F above pre-industrial levels. In addition to that, nations agreed to peak their GHG emissions as soon as possible, with the recognition that developing countries may take longer than developed countries. Thereafter, nations are to undergo rapid reductions in accordance to best available technological advances. The nations are to submit national climate action plans that detail future objectives to address climate change.

In supporting a transparency system and global stock-take, the participating nations agreed to meet every 5 years to set more ambitious targets on global climate change as technologically feasible. The nations are to report to each other and to the public on their progress towards implementing targets and goals through a transparency and accountability system.

In adaptation, participating nations are to strengthen the ability of nations to deal with climate impacts and provide continued international support for adaptation to developing countries.

In supporting loss and damage, participating nations understand the importance of minimizing and addressing the loss and damage associated with adverse effects of global climate change.

These nations acknowledge the need to cooperate with each other and support each other through safeguards, such as early warning systems, emergency preparedness, and risk insurance.

Participating nations are to support each other in their efforts to fight against global climate change. Developed countries within the COP21 are to continue their existing collective goal of utilizing 100 billion per year in support of the poorest and most vulnerable participating nations, known as climate finance, until 2025, when a new collective goal will be set (26) (27)

In accordance with Article 21, paragraph 1, of the Paris Agreement, the Agreement shall enter into force on the thirtieth day after the date on which at least 55 Parties to the COP21 accounting in total for at least an estimated 55% of the total global greenhouse gas emissions have deposited their instruments of ratification, acceptance, approval, or accession with the Depositary.

On October 5, 2016, the threshold for entry into force of the Paris Agreement was achieved. The Paris Agreement will enter into force on November 4, 2016 (28).

#### Federal Regulation and the Clean Air Act:

Coinciding 2009 meeting in Copenhagen, on December 7, 2009, the U.S. Environmental Protection Agency issued an Endangerment Finding under Section 202(a) of the Clean Air Act, opening the door to federal regulation of GHGs. The Endangerment Finding notes that GHGs threaten public health and welfare and are subject to regulation under the Clean Air Act.

The Act requires that when new industrial facilities are designed and built, good pollution control must be part of the design. This means that as new, cleaner facilities are built, the country's industrial base becomes cleaner overall. Public health is protected as economic growth proceeds. In areas not meeting air quality standards, to avoid making pollution worse, new and modified large plants and factories must meet the lowest achievable emission rate and obtain offsetting emissions reductions from other sources. In areas that meet air quality standards, new and modified large plants and factories must apply the best available technology considering cost and avoid causing significant degradation of air quality or visibility impairment in national parks. For example, new coal-fired power plants typically install control devices that capture up to 98 percent of the sulfur dioxide and in many cases 90 percent of the nitrogen oxide emissions, relative to uncontrolled levels.

These requirements are applied through pre-construction permitting programs that are administered by state, local, tribal, or EPA permitting authorities, depending on the location. State and local permitting authorities usually administer the pre-construction permit programs that determine how to apply these requirements to facilities.

To date, the EPA has not promulgated regulations on GHG emissions, but it has already begun to develop them. Previously the EPA had not regulated GHGs under the Clean Air Act (29) because it asserted that the Act did not authorize it to issue mandatory regulations to address global climate change and that such regulation would be unwise without an unequivocally established causal link between GHGs and the increase in global surface air temperatures. In

Massachusetts v. Environmental Protection Agency et al. (127 S. Ct. 1438 (2007)), however, the U.S. Supreme Court held that GHGs are pollutants under the Clean Air Act and directed the EPA to decide whether the gases endangered public health or welfare. The EPA had also not moved aggressively to regulate GHGs because it expected Congress to make progress on GHG legislation, primarily from the standpoint of a cap-and-trade system. However, proposals circulated in both the House of Representative and Senate have been controversial and it may be some time before the U.S. Congress adopts major climate change legislation. The EPA's Endangerment Finding paves the way for federal regulation of GHGs with or without Congress.

#### Title 24 Energy Standards:

Although global climate change did not become an international concern until the 1980s, efforts to reduce energy consumption began in California in response to the oil crisis in the 1970s, resulting in the unintended reduction of greenhouse gas emissions. In order to manage the state's energy needs and promote energy efficiency, AB 1575 created the California Energy Commission (CEC) in 1975.

The California Energy Commission (CEC) first adopted Energy Efficiency Standards for Residential and Nonresidential Buildings (30) in 1978 in response to a legislative mandate to reduce energy consumption in the state. Although not originally intended to reduce GHG emissions, increased energy efficiency, and reduced consumption of electricity, natural gas, and other fuels would result in fewer GHG emissions from residential and nonresidential buildings subject to the standard. The standards are updated periodically to allow for the consideration and inclusion of new energy efficiency technologies and methods. The Energy Commission's 2013 Building Energy Efficiency Standard is 25 percent more efficient than previous standards for residential construction and 30 percent better for nonresidential construction. The Standards, which took effect on January 1, 2014, offer builders better windows, insulation, lighting, ventilation systems and other features that reduce energy consumption in homes and businesses. Some improved measures in the Standards include:

#### Residential:

- Solar-ready roofs to allow homeowners to add solar photovoltaic panels at a future date
- More efficient windows to allow increased sunlight, while decreasing heat gain
- Insulated hot water pipes, to save water and energy and reduce the time it takes to deliver hot water
- Whole house fans to cool homes and attics with evening air reducing the need for air conditioning load
- Air conditioner installation verification to insure efficient operation

#### Nonresidential:

- High performance windows, sensors and controls that allow buildings to use "daylighting"
- Efficient process equipment in supermarkets, computer data centers, commercial kitchens, laboratories, and parking garages



- Advanced lighting controls to synchronize light levels with daylight and building occupancy, and provide demand response capability
- Solar-ready roofs to allow businesses to add solar photovoltaic panels at a future date
- Cool roof technologies

It should be noted that the 2016 Building Energy Efficiency Standards were released in June 2015. The 2016 Standards, which will take effect on January 1, 2017, will continue to improve upon the 2013 Standards for new construction of and additions and alterations to residential and nonresidential buildings. The Impact Analysis for the 2016 Standards, which estimates the percent savings for residential and nonresidential buildings from the previous Standards, have not yet been released. As such, the 2013 Title 24 Standards are utilized in the report.

### CALGreen

Part 11 of the Title 24 Building Standards Code is referred to as the California Green Building Standards Code (CALGreen Code) (31). The purpose of the CALGreen Code is to “improve public health, safety and general welfare by enhancing the design and construction of buildings through the use of building concepts having a positive environmental impact and encouraging sustainable construction practices in the following categories: (1) Planning and design; (2) Energy efficiency; (3) Water efficiency and conservation; (4) Material conservation and resource efficiency; and (5) Environmental air quality.” The CALGreen Code is not intended to substitute or be identified as meeting the certification requirements of any green building program that is not established and adopted by the California Building Standards Commission (CBSC). The CBSC has released the 2010 California Green Building Standards Code on its Web site. Unless otherwise noted in the regulation, all newly constructed buildings in California are subject of the requirements of the CALGreen Code.

CALGreen contains both mandatory and voluntary measures, for Non-Residential land uses there are 39 mandatory measures including, but not limited to: exterior light pollution reduction, wastewater reduction by 20%, and commissioning of projects over 10,000 sf. There are two tiers of voluntary measures for Non-Residential land uses for a total of 36 additional elective measures.

The 2013 CALGreen includes additions and amendments to the water efficiency standards for non-residential buildings in order to comply with the reduced flow rate table. The 2013 CALGreen has also been rewritten to clarify and definitively identify the requirements and applicability for residential and nonresidential buildings.

### California Assembly Bill No. 1493 (AB 1493):

AB 1493 requires CARB to develop and adopt the nation’s first greenhouse gas emission standards for automobiles. The Legislature declared in AB 1493 that global warming was a matter of increasing concern for public health and environment in California (32). Further, the legislature stated that technological solutions to reduce greenhouse gas emissions would stimulate the California economy and provide jobs.

To meet the requirements of AB 1493, ARB approved amendments to the California Code of Regulations (CCR) adding GHG emission standards to California's existing motor vehicle emission standards in 2004. Amendments to CCR Title 13 Sections 1900 (CCR 13 1900) and 1961 (CCR 13 1961) and adoption of Section 1961.1 (CCR 13 1961.1) require automobile manufacturers to meet fleet average GHG emission limits for all passenger cars, light-duty trucks within various weight criteria, and medium-duty passenger vehicle weight classes beginning with the 2009 model year. Emission limits are further reduced each model year through 2016.

In December 2004 a group of car dealerships, automobile manufacturers, and trade groups representing automobile manufacturers filed suit against ARB to prevent enforcement of CCR 13 1900 and CCR 13 1961 as amended by AB 1493 and CCR 13 1961.1 (Central Valley Chrysler-Jeep et al. v. Catherine E. Witherspoon, in her official capacity as Executive Director of the California Air Resources Board, et al.). The suit, heard in the U.S. District Court for the Eastern District of California, contended that California's implementation of regulations that in effect regulate vehicle fuel economy violates various federal laws, regulations, and policies. In January 2007, the judge hearing the case accepted a request from the State Attorney General's office that the trial be postponed until a decision is reached by the U.S. Supreme Court on a separate case addressing GHGs. In the Supreme Court Case, Massachusetts vs. EPA, the primary issue in question is whether the federal CAA provides authority for USEPA to regulate CO2 emissions. In April 2007, the U.S. Supreme Court ruled in Massachusetts' favor, holding that GHGs are air pollutants under the CAA. On December 11, 2007, the judge in the Central Valley Chrysler-Jeep case rejected each plaintiff's arguments and ruled in California's favor. On December 19, 2007, the USEPA denied California's waiver request. California filed a petition with the Ninth Circuit Court of Appeals challenging USEPA's denial on January 2, 2008.

The Obama administration subsequently directed the USEPA to re-examine their decision. On May 19, 2009, challenging parties, automakers, the State of California, and the federal government reached an agreement on a series of actions that would resolve these current and potential future disputes over the standards through model year 2016. In summary, the USEPA and the U.S. Department of Transportation agreed to adopt a federal program to reduce GHGs and improve fuel economy, respectively, from passenger vehicles in order to achieve equivalent or greater greenhouse gas benefits as the AB 1493 regulations for the 2012–2016 model years. Manufacturers agreed to ultimately drop current and forego similar future legal challenges, including challenging a waiver grant, which occurred on June 30, 2009. The State of California committed to (1) revise its standards to allow manufacturers to demonstrate compliance with the fleet-average GHG emission standard by "pooling" California and specified State vehicle sales; (2) revise its standards for 2012–2016 model year vehicles so that compliance with USEPA-adopted GHG standards would also comply with California's standards; and (3) revise its standards, as necessary, to allow manufacturers to use emissions data from the federal CAFE program to demonstrate compliance with the AB 1493 regulations (CARB 2009, <http://www.arb.ca.gov/regact/2009/ghgpv09/ghgpvisor.pdf>) both of these programs are aimed at light-duty auto and light-duty trucks.

Executive Order S-3-05:

Executive Order S-3-05, which was signed by Governor Schwarzenegger in 2005, proclaims that California is vulnerable to the impacts of climate change (33). It declares that increased temperatures could reduce the Sierra's snowpack, further exacerbate California's air quality problems, and potentially cause a rise in sea levels. To combat those concerns, the Executive Order established total greenhouse gas emission targets. Specifically, emissions are to be reduced to the 1990 level by 2020, and to 80% below the 1990 level by 2050. The Executive Order directed the Secretary of the California Environmental Protection Agency (CalEPA) to coordinate a multi-agency effort to reduce greenhouse gas emissions to the target levels. The Secretary also is required to submit biannual reports to the Governor and state Legislature describing: (1) progress made toward reaching the emission targets; (2) impacts of global warming on California's resources; and (3) mitigation and adaptation plans to combat these impacts. To comply with the Executive Order, the Secretary of the CalEPA created a Climate Action Team (CAT) made up of members from various state agencies and commission. CAT released its first report in March 2006. The report proposed to achieve the targets by building on voluntary actions of California businesses, local government and community actions, as well as through state incentive and regulatory programs.

California Assembly Bill 32 (AB 32):

In September 2006, Governor Arnold Schwarzenegger signed AB 32, the California Climate Solutions Act of 2006. AB 32 requires that statewide GHG emissions be reduced to 1990 levels by the year 2020 (34). This reduction will be accomplished through an enforceable statewide cap on GHG emissions that will be phased in starting in 2012. To effectively implement the cap, AB 32 directs CARB to develop and implement regulations to reduce statewide GHG emissions from stationary sources. AB 32 specifies that regulations adopted in response to AB 1493 should be used to address GHG emissions from vehicles. However, AB 32 also includes language stating that if the AB 1493 regulations cannot be implemented, then CARB should develop new regulations to control vehicle GHG emissions under the authorization of AB 32.

AB 32 requires that CARB adopt a quantified cap on GHG emissions representing 1990 emissions levels and disclose how it arrives at the cap; institute a schedule to meet the emissions cap; and develop tracking, reporting, and enforcement mechanisms to ensure that the state achieves reductions in GHG emissions necessary to meet the cap. AB 32 also includes guidance to institute emissions reductions in an economically efficient manner and conditions to ensure that businesses and consumers are not unfairly affected by the reductions.

In November 2007, CARB completed its estimates of 1990 GHG levels. Net emission 1990 levels were estimated at 427 MMTs (emission sources by sector were: transportation – 35 percent; electricity generation – 26 percent; industrial – 24 percent; residential – 7 percent; agriculture – 5 percent; and commercial – 3 percent). Accordingly, 427 MMTs of CO<sub>2</sub> equivalent was established as the emissions limit for 2020. For comparison, CARB's estimate for baseline GHG emissions was 473 MMT for 2000 and 532 MMT for 2010. "Business as usual" conditions (without the 28.4 percent reduction to be implemented by CARB regulations) for 2020 were projected to be 596 MMTs.

In December 2007, CARB approved a regulation for mandatory reporting and verification of GHG emissions for major sources. This regulation covered major stationary sources such as cement plants, oil refineries, electric generating facilities/providers, and co-generation facilities, which comprise 94 percent of the point source CO<sub>2</sub> emissions in the State.

On December 11, 2008, CARB adopted a scoping plan to reduce GHG emissions to 1990 levels. The Scoping Plan's recommendations for reducing GHG emissions to 1990 levels by 2020 include emission reduction measures, including a cap-and-trade program linked to Western Climate Initiative partner jurisdictions, green building strategies, recycling and waste-related measures, as well as Voluntary Early Actions and Reductions. Implementation of individual measures must begin no later than January 1, 2012, so that the emissions reduction target can be fully achieved by 2020.

Table 2-3 shows the proposed reductions from regulations and programs outlined in the Scoping Plan. While local government operations were not accounted for in achieving the 2020 emissions reduction, local land use changes are estimated to result in a reduction of 5 MMTons of CO<sub>2</sub>e, which is approximately 3 percent of the 2020 GHG emissions reduction goal. In recognition of the critical role local governments will play in successful implementation of AB 32, CARB is recommending GHG reduction goals of 15 percent of 2006 levels by 2020 to ensure that municipal and community-wide emissions match the state's reduction target. According to the Measure Documentation Supplement to the Scoping Plan, local government actions and targets are anticipated to reduce vehicle miles by approximately 2 percent through land use planning, resulting in a potential GHG reduction of 2 MM Tons of CO<sub>2</sub>e (or approximately 1.2 percent of the GHG reduction target).

**TABLE 2-3: SCOPING PLAN GHG REDUCTION MEASURES TOWARDS 2020 TARGET**

<i>Recommended Reduction Measures</i>	<i>Reductions Counted toward 2020 Target of 169 MMT CO<sub>2</sub>e</i>	<i>Percentage of Statewide 2020 Target</i>
<b>Cap and Trade Program and Associated Measures</b>		
California Light-Duty Vehicle GHG Standards	31.7	19%
Energy Efficiency	26.3	16%
Renewable Portfolio Standard (33 percent by 2020)	21.3	13%
Low Carbon Fuel Standard	15	9%
Regional Transportation-Related GHG Targets <sup>1</sup>	5	3%
Vehicle Efficiency Measures	4.5	3%
Goods Movement	3.7	2%
Million Solar Roofs	2.1	1%
Medium/Heavy Duty Vehicles	1.4	1%
High Speed Rail	1.0	1%
Industrial Measures	0.3	0%
Additional Reduction Necessary to Achieve Cap	34.4	20%
<b>Total Cap and Trade Program Reductions</b>	<b>146.7</b>	<b>87%</b>
<b>Uncapped Sources/Sectors Measures</b>		
High Global Warming Potential Gas Measures	20.2	12%
Sustainable Forests	5	3%

Industrial Measures (for sources not covered under cap and trade program)	1.1	1%
Recycling and Waste (landfill methane capture)	1	1%
Total Uncapped Sources/Sectors Reductions	27.3	16%
Total Reductions Counted toward 2020 Target	174	100%
<b>Other Recommended Measures – Not Counted toward 2020 Target</b>		
State Government Operations	1.0 to 2.0	1%
Local Government Operations	To Be Determined <sup>2</sup>	NA
Green Buildings	26	15%
Recycling and Waste	9	5%
Water Sector Measures	4.8	3%
Methane Capture at Large Dairies	1	1%
Total Other Recommended Measures – Not Counted toward 2020 Target	42.8	NA

Source: CARB. 2008, MMTons CO<sub>2</sub>e: million metric tons of CO<sub>2</sub>e

<sup>1</sup>Reductions represent an estimate of what may be achieved from local land use changes. It is not the SB 375 regional target.

<sup>2</sup>According to the Measure Documentation Supplement to the Scoping Plan, local government actions and targets are anticipated to reduce vehicle miles by approximately 2 percent through land use planning, resulting in a potential GHG reduction of 2 million metric tons of CO<sub>2</sub>e (or approximately 1.2 percent of the GHG reduction target). However, these reductions were not included in the Scoping Plan reductions to achieve the 2020 Target

Overall, CARB determined that achieving the 1990 emission level in 2020 would require a reduction in GHG emissions of approximately 30 percent in the absence of new laws and regulations (referred to as "Business-As-Usual" [BAU]). The Scoping Plan evaluates opportunities for sector-specific reductions, integrates all CARB and California Climate Action Team early actions and additional GHG reduction measures, identifies additional measures to be pursued as regulations, and outlines the role of the cap-and-trade program.

When the 2020 emissions level projection also was updated to account for implemented regulatory measures, including Pavley (vehicle model-years 2009 - 2016) and the renewable portfolio standard (12% - 20%), the 2020 projection in the BAU condition was reduced further to 507 MTCO<sub>2</sub>e. As a result, based on the updated economic and regulatory data, CARB determined that achieving the 1990 emissions level in 2020 would now only require a reduction of GHG emissions of 80 MTCO<sub>2</sub>e, or approximately 16 percent (down from 30 percent), from the BAU condition. (35) (36)

On February 10, 2014, CARB released a Draft Proposed First Update of the Scoping Plan. The draft recalculates 1990 GHG emissions using new global warming potentials identified in the IPCC Fourth Assessment Report released in 2007. Using those GWPs, the 427 MTCO<sub>2</sub>e 1990 emissions level and 2020 GHG emissions limit identified in the 2008 Scoping Plan would be slightly higher, at 431 MTCO<sub>2</sub>e. (37) Based on the revised 2020 emissions level projection identified in the 2011 Final Supplement and the updated 1990 emissions levels identified in the discussion draft of the First Update, achieving the 1990 emissions level in 2020 would require a reduction of 78 MTCO<sub>2</sub>e (down from 509 MTCO<sub>2</sub>e), or approximately 15.3 percent (down from 30 percent), from the BAU condition. (35) (36) (37)

Although CARB has released an update to the Scoping Plan and reduction targets from BAU, it is still appropriate to utilize the previous 30% reduction from BAU since the modeling tools

available are not able to easily segregate the inclusion of the renewable portfolio standards, and Pavley requirements that are now included in the revised BAU scenario.

Senate Bill 97 (SB 97):

Pursuant to the direction of SB 97, OPR released preliminary draft CEQA Guideline amendments for greenhouse gas emissions on January 8, 2009, and submitted its final proposed guidelines to the Secretary for Natural Resources on April 13, 2009 (38). The Natural Resources Agency adopted the Guideline amendments and they became effective on March 18, 2010.

Of note, the new guidelines state that a lead agency shall have discretion to determine whether to use a quantitative model or methodology, or in the alternative, rely on a qualitative analysis or performance based standards. CEQA Guideline § 15064.4(a)“A lead agency shall have discretion to determine, in the context of a particular project, whether to: (1) Use a model or methodology to quantify greenhouse gas emissions resulting from a project, and which model or methodology to use . . .; or (2) Rely on a qualitative analysis or performance based standards.”

Also amended were CEQA Guidelines Sections 15126.4 and 15130, which address mitigation measures and cumulative impacts respectively. Greenhouse gas mitigation measures are referenced in general terms, but no specific measures are championed. The revision to the cumulative impact discussion requirement (Section 15130) simply directs agencies to analyze greenhouse gas emissions in an EIR when a Project’s incremental contribution of emissions may be cumulatively considerable, however it does not answer the question of when emission are cumulatively considerable.

Section 15183.5 permits programmatic greenhouse gas analysis and later project-specific tiering, as well as the preparation of Greenhouse Gas Reduction Plans. Compliance with such plans can support determination that a Project’s cumulative effect is not cumulatively considerable, according to proposed Section 15183.5(b).

CEQA emphasizes that the effects of greenhouse gas emissions are cumulative, and should be analyzed in the context of CEQA's requirements for cumulative impacts analysis. (See CEQA Guidelines Section 15130(f)).

Section 15064.4(b) of the CEQA Guidelines provides direction for lead agencies for assessing the significance of impacts of greenhouse gas emissions:

1. The extent to which the project may increase or reduce greenhouse gas emissions as compared to the existing environmental setting;
2. Whether the project emissions exceed a threshold of significance that the lead agency determines applies to the project; or
3. The extent to which the project complies with regulations or requirements adopted to implement a statewide, regional, or local plan for the reduction or mitigation of greenhouse gas emissions. Such regulations or requirements must be adopted by the relevant public agency through a public review process and must include specific



requirements that reduce or mitigate the project’s incremental contribution of greenhouse gas emissions. If there is substantial evidence that the possible effects of a particular project are still cumulatively considerable notwithstanding compliance with the adopted regulations or requirements, an EIR must be prepared for the project.

The CEQA Guideline amendments do not identify a threshold of significance for greenhouse gas emissions, nor do they prescribe assessment methodologies or specific mitigation measures. Instead, they call for a “good-faith effort, based on available information, to describe, calculate or estimate the amount of greenhouse gas emissions resulting from a project.” The amendments encourage lead agencies to consider many factors in performing a CEQA analysis and preserve lead agencies’ discretion to make their own determinations based upon substantial evidence. The amendments also encourage public agencies to make use of programmatic mitigation plans and programs from which to tier when they perform individual project analyses. Specific GHG language incorporated in the Guidelines’ suggested Environmental Checklist (Guidelines Appendix G) is as follows:

## VII. GREENHOUSE GAS EMISSIONS

Would the project:

- a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?
- b) Conflict with an applicable plan, policy or regulation adopted for the purpose of reducing the emissions of greenhouse gases?

### Executive Order S-01-07:

On January 18, 2007 California Governor Arnold Schwarzenegger, through Executive Order S-01-07, mandated a statewide goal to reduce the carbon intensity of California’s transportation fuel by at least ten percent by 2020 (39). The order also requires that a California specific Low Carbon Fuel Standard be established for transportation fuels.

### Executive Order B-30-15:

In January 2015, Governor Brown, in his inaugural address and annual report to the Legislature, established supplementary goals which would further reduce GHG emissions over the next 15 years. These goals include an increase in California’s renewable energy portfolio from 33% to 50%, a reduction in vehicle petroleum use for cars and trucks by up to 50% measures to double the efficiency of existing buildings, and decreasing emissions associated with heating fuels.

On April 29, 2015 California Governor Jerry Brown, through Executive Order B-30-15 (“BEO”) states a new statewide policy goal to reduce GHG emissions 40 percent below their 1990 levels by 2030.

The BEO sets an ambitious new Statewide GHG emissions reduction target of 40% below 1990 levels by 2030 as a “mid-term” benchmark needed to achieve the 80% below 1990 levels by 2050 (40).

Senate Bill 32:

On September 8, 2016, Governor Jerry Brown signed the Senate Bill (SB) 32 and its companion bill, Assembly Bill (AB) 197. SB 32 requires the state to reduce statewide greenhouse gas emissions to 40% below 1990 levels by 2030, a reduction target that was first introduced in Executive Order B-30-15. The new legislation builds upon the AB 32 goal of 1990 levels by 2020 and provides an intermediate goal to achieving S-3-05, which sets a statewide greenhouse gas reduction target of 80% below 1990 levels by 2050 (41) (42).

The Project reduces its GHG emissions to the maximum extent feasible as discussed in this document. At this time, no further analysis is necessary or required by CEQA as it pertains to Executive Order B-30-15 and SB 32.

Additionally, as described previously, the project applicant would not actively interfere with any future City-mandated, state-mandated, or federally-mandated retrofit obligations enacted or promulgated to legally require development City-wide, state-wide, or nation-wide to assist in meeting state-adopted greenhouse gas emissions reduction targets, including that established under Executive Order S-3-05, Executive Order B-30-15, or SB 32.

Based on the foregoing, the Project does not interfere with the state's implementation of (i) Executive Order B-30-15 and SB 32's target of reducing statewide GHG emissions to 40% below 1990 levels by 2030 or (ii) Executive Order S-3-05's target of reducing statewide GHG emissions to 80% below 1990 levels by 2050 because it does not interfere with the state's implementation of GHG reduction plans described in the CARB's Updated Scoping Plan, including the state providing for 12,000 MW of renewable distributed generation by 2020, the California Building Commission mandating net zero energy homes in the building code after 2020, or existing building retrofits under AB 758. Therefore, the project's impacts on greenhouse gas emissions in the 2030 and 2050 horizon years are less than significant.

Senate Bills 1078 and 107 and Executive Order S-14-08:

SB 1078 (Chapter 516, Statutes of 2002) requires retail sellers of electricity, including investor-owned utilities and community choice aggregators, to provide at least 20% of their supply from renewable sources by 2017 (43). SB 107 (Chapter 464, Statutes of 2006) changed the target date to 2010 (39). In November 2008 Governor Schwarzenegger signed Executive Order S-14-08, which expands the state's Renewable Energy Standard to 33% renewable power by 2020 (44).

Senate Bill 375:

SB 375, signed in September 2008 (Chapter 728, Statutes of 2008), aligns regional transportation planning efforts, regional GHG reduction targets, and land use and housing allocation (45). SB 375 requires metropolitan planning organizations (MPOs) to adopt a sustainable communities strategy (SCS) or alternative planning strategy (APS) that will prescribe land use allocation in that MPO's regional transportation plan. ARB, in consultation with MPOs, will provide each affected region with reduction targets for GHGs emitted by passenger cars and light trucks in the region for the years 2020 and 2035.

These reduction targets will be updated every 8 years but can be updated every 4 years if advancements in emissions technologies affect the reduction strategies to achieve the targets. ARB is also charged with reviewing each MPO's SCS or APS for consistency with its assigned targets. If MPOs do not meet the GHG reduction targets, transportation projects will not be eligible for funding programmed after January 1, 2012.

This law also extends the minimum time period for the regional housing needs allocation cycle from 5 years to 8 years for local governments located within an MPO that meets certain requirements. City or county land use policies (including general plans) are not required to be consistent with the regional transportation plan (and associated SCS or APS). However, new provisions of CEQA would incentivize (through streamlining and other provisions) qualified projects that are consistent with an approved SCS or APS, categorized as "transit priority projects."

The Southern California Association of Governments (SCAG) is required by law to update the Southern California Regional Transportation Plan (RTP) every four years. On April 7, 2016, the SCAG's Regional Council adopted the 2016-2040 RTP/SCS (46). The 2016 RTP/SCS incorporates transportation, land use, and housing policies that would result in an eight percent reduction in greenhouse gas emissions per capita by 2020, an 18 percent reduction by 2035, and a 21 percent reduction by 2040 —compared with 2005 levels. This would meet or exceed the GHG emissions targets established by the California Air Resource Board (CARB) for 2020 (8% reduction) and 2035 (13% reduction). In June 2016, the Federal Highway Administration (FHWA) and the Federal Transit Administration (FTA) indicated that all air conformity requirements for the 2016 RTP/SCS have been met (47).

#### CARB's Preliminary Draft Staff Proposal for Interim Significance Thresholds:

Separate from its Scoping Plan approved in December of 2008 (48), CARB issued a Staff Proposal in October 2008, as its first step toward developing recommended statewide interim thresholds of significance for GHGs that may be adopted by local agencies for their own use. CARB staff's objective in this proposal is to develop a threshold of significance that will result in the vast majority (approximately 90 percent statewide) of GHG emissions from new industrial projects being subject to CEQA's requirement to impose feasible mitigation. The proposal does not attempt to address every type of project that may be subject to CEQA, but instead focuses on common project types that, collectively, are responsible for substantial GHG emissions – specifically, industrial, residential, and commercial projects. CARB is developing these thresholds in these sectors to advance climate objectives, streamline project review, and encourage consistency and uniformity in the CEQA analysis of GHG emissions throughout the state. These draft thresholds are under revision in response to comments. There is currently no timetable for finalized thresholds at this time.

As currently proposed by CARB, a quantitative threshold of 7,000 metric tons (MT) of CO<sub>2</sub>e per year for operational emissions (excluding transportation), and performance standards yet to be defined for construction and transportation emissions are under consideration. However, CARB's proposal is not yet final, and thus cannot be applied to the Project.

### South Coast Air Quality Management District Recommendations for Significance Thresholds:

In April 2008, the South Coast Air Quality Management District (SCAQMD), in order to provide guidance to local lead agencies on determining the significance of GHG emissions identified in CEQA documents, convened a “GHG CEQA Significance Threshold Working Group.” The goal of the working group is to develop and reach consensus on an acceptable CEQA significance threshold for GHG emissions that would be utilized on an interim basis until CARB (or some other state agency) develops statewide guidance on assessing the significance of GHG emissions under CEQA.

Initially, SCAQMD staff presented the working group with a significance threshold that could be applied to various types of projects—residential; non-residential; industrial; etc (49). However, the threshold is still under development. In December 2008, staff presented the SCAQMD Governing Board with a significance threshold for stationary source projects where it is the lead agency. This threshold uses a tiered approach to determine a project’s significance, with 10,000 metric tons of carbon dioxide equivalent (MTCO<sub>2</sub>e) as a screening numerical threshold for stationary sources. More importantly it should be noted that when setting the 10,000 MTCO<sub>2</sub>e threshold, the SCAQMD did not consider mobile sources (vehicular travel), rather the threshold is based mainly on stationary source generators such as boilers, refineries, power plants, etc. Therefore, it would be misleading to apply a threshold that was developed without consideration for mobile sources to a Project where the majority of emissions are related to mobile sources. Thus there is no SCAQMD threshold that can be applied to this Project.

In September 2010 (1), the Working Group released additional revisions that consist of the following recommended tiered approach:

- Tier 1 consists of evaluating whether or not the Project qualifies for applicable CEQA exemptions.
- Tier 2 consists of determining whether or not a Project is consistent with a greenhouse gas reduction plan. If a Project is consistent with a greenhouse gas reduction plan, it would not have a significant impact.
- Tier 3 consists of screening values at the discretion of the lead agency; however they should be consistent for all projects within its jurisdiction. Project-related construction emissions should be amortized over 30 years and should be added back the Project’s operational emissions. The following thresholds are proposed for consideration:
  - 3,000 MTCO<sub>2</sub>e per year for all land use types
  - or
  - 3,500 MTCO<sub>2</sub>e per year for residential; 1,400 MTCO<sub>2</sub>e per year for commercial; or 3,000 MTCO<sub>2</sub>e per year for mixed-use projects
- Tier 4 has the following options:
  - Option 1: Reduce emissions from business as usual by a certain percentage (currently undefined)
  - Option 2: Early implementation of applicable AB 32 Scoping Plan measures
  - Option 3: A project-level efficiency target of 4.8 MTCO<sub>2</sub>e per service population as a 2020 target and 3.0 MTCO<sub>2</sub>e per service population as a 2035 target. The recommended

plan-level target for 2020 is 6.6 MTCO<sub>2</sub>e and the plan level target for 2035 is 4.1 MTCO<sub>2</sub>e

- Tier 5 involves mitigation offsets to achieve target significance thresholds

The SCAQMD has also adopted Rules 2700, 2701, and 2702 that address GHG reductions. However, these rules address boilers and process heater, forestry, and manure management projects, none of which are required by the Project

## 2.9 CITY OF MORENO VALLEY GENERAL PLAN MEASURES

Although the City of Moreno Valley General Plan does not identify specific GHG or climate change policies or goal, a number of the measures identified in the General Plan’s Air Quality Element act to reduce or control criteria pollutant emissions and peripherally reduce GHG emissions. The proposed Project has been evaluated for consistency with the City’s General Plan Air Quality Element, as shown on Table 2-4.

**TABLE 2-4: CITY OF MORENO VALLEY GENERAL PLAN CONSISTENCY**

<b>Objective 6.6:</b> Promote land use patterns that reduce daily automotive trips and reduce trip distance for work, shopping, school, and recreation.	<b>Consistent.</b> <i>The Project site is developed approximately 0.50 miles north of a regional shopping center (Stoneridge Towne Centre)</i>
<b>Objective 6.7:</b> Reduce mobile and stationary source air pollutant emissions.	<b>Consistent.</b> <i>The Project site is located proximate to existing and proposed major roadways, acting to generally reduce vehicle trip lengths, thereby reducing mobile source emissions.</i>
<b>Policy 6.7.5:</b> Require grading activities to comply with South Coast Air Quality Management District’s Rule 403 regarding the control of fugitive dust.	<b>Consistent.</b> <i>The Project will be required to implement fugitive dust control measures consistent with SCAQMD Rule 403.</i>
<b>Policy 6.7.6:</b> Require building construction to comply with the energy conservation requirements of Title 24 of the California Administrative Code [California Code of Regulations].	<b>Consistent.</b> <i>Pursuant to City and State Building Code requirements, the Project will meet or surpass applicable CCR Title 24 energy conservation requirements.</i>

Source: City of Moreno Valley General Plan, Safety Element

## 2.10 CITY OF MORENO VALLEY ENERGY EFFICIENCY AND CLIMATE ACTION STRATEGY

The City of Moreno Valley released an Energy Efficiency and Climate Action Strategy (CAS) as well as a Greenhouse Gas Analysis for public review on May 8, 2012. The documents were approved on October 9, 2012. The CAS identifies ways that the City can reduce energy and water consumption and greenhouse gas emissions as an organization (its employees and the operation of its facilities) and outlines the actions that the City can encourage and community members can employ to reduce their own energy and water consumption and greenhouse gas emissions. The policies in the document are to reduce greenhouse gas emissions in 2010 by 15 percent by 2020. The following consists of an analysis of project consistency with the policies in the CAS.

- R2-T1: Land Use Based Trips and VMT Reduction Policies. Encourage the development of Transit Priority Projects along High Quality Transit Corridors identified in the SCAG Sustainable Communities Plan, to allow a reduction in vehicle miles traveled.

Project consistency: Not applicable.

- R2-T3: Employment-Based Trip Reductions. Require a Transportation Demand Management (TDM) program for new development to reduce automobile travel by encouraging ride-sharing, carpooling, and alternative modes of transportation.

Project consistency: Not applicable.

- R2-E1: New Construction Residential Energy Efficiency Requirements. Require energy efficient design for all new residential buildings to be 10 percent beyond the current Title 24 standards. (Reach Code)

Project consistency: Consistent; the Project will comply with this measure if adopted by the City.

- R2-E2: New Construction Residential Renewable Energy. Facilitate the use of renewable energy (such as solar (photovoltaic) panels or small wind turbines) for new residential developments. Alternative approach would be the purchase of renewable energy resources offsite.

Project consistency: Consistent; the Project will comply with this measure if adopted by the city.

- R2-E5: New Construction Commercial Energy Efficiency Requirements. Require energy efficient design for all new commercial buildings to be 10% beyond the current Title 24 standards. (Reach Code)

Project consistency: Not applicable.

- R3-E1: Energy Efficient Development, and Renewable Energy Deployment Facilitation and Streamlining. Updating of codes and zoning requirements and guidelines to further implement green building practices. This could include incentives for energy efficient projects.

- Project consistency: Not applicable.

- R3-L2: Heat Island Plan. Develop measures that address “heat islands.” Potential measures include using strategically placed shade trees, using paving materials with a Solar Reflective Index of at least 29, an open grid pavement system, or covered parking.

Project consistency: Consistent; the Project will comply with the City of Moreno Valley’s landscaping requirements.

- R2-W1: Water Use Reduction Initiative. Consider adopting a per capita water use reduction goal, which mandates the reduction of water use of 20 percent per capita with requirements applicable to new development and with cooperative support of the water agencies.

Project consistency: Consistent. California Green Building Standards Code, Chapter 5, Division 5.3, Section 5.303.2 requires that indoor water use be reduced by 20 percent. The Project will be consistent with this measure.

- R3-W1: Water Efficiency Training and Education. Work with EMWD and local water companies to implement a public information and education program that promotes water conservation.

Project consistency: Not applicable.

- R2-S1: City Diversion Program. For Solid Waste, consider a target of increasing the waste diverted from the landfill to a total of 75 percent by 2020.

Project consistency: Consistent; the Project will comply with the City of Moreno Valley’s citywide goal of solid waste reduction. Additionally the Project will be compliant with the City of Moreno Valley’s Municipal Code 8.80.030 by implementing a Waste Management Plan.



As shown above, Project Consistency with Moreno Valley Energy Efficiency and Climate Action Strategy, of this report, many of the measures are not applicable to the project. The project is consistent with the applicable measures in the Strategy. Therefore, the project is consistent with the CAS.

## 2.11 DISCUSSION ON ESTABLISHMENT OF SIGNIFICANCE THRESHOLDS

The City of Moreno Valley has not adopted its own numeric threshold of significance for determining impacts with respect to greenhouse gas (GHG) emissions. The SCAQMD has convened a GHG CEQA Significance Threshold Working Group (Working Group). Based on the last Working Group meeting (Meeting No. 15) held in September 2010, SCAQMD is proposing to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency. SCAQMD had proposed a Project level efficiency significance threshold, in which a 2020 statewide population and employment for land use sectors was divided by 2020 statewide service population (SP), amounting to a 4.8 MTCO<sub>2e</sub> per service population threshold (1). The City will utilize the Project level efficiency significance threshold approach recommended in the SCAQMD's Interim Thresholds document for commercial, residential, and mixed use projects.

Thus, and based on guidance from the SCAQMD, if a residential project would emit GHGs less than 4.8 MTCO<sub>2e</sub> per service population, the project is not considered a substantial GHG emitter and the GHG impact is less than significant. On the other hand, if a residential project would emit GHGs in excess of 4.8 MTCO<sub>2e</sub> per service population, then the project could be considered a substantial GHG emitter, requiring additional analysis and potential mitigation.

Furthermore, and based on Item b) of the CEQA Guidelines Appendix, the analysis presented would determine if the Project would conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing emissions of greenhouse gases. As the Project is located within the City of Moreno Valley, Project consistency will be based on the CAS. Project consistency with the CAS is determined in Section 2.10.

### 3 PROJECT GREENHOUSE GAS IMPACT

#### 3.1 INTRODUCTION

The Project has been evaluated to determine if it will result in a significant greenhouse gas impact. The significance of these potential impacts is described in the following section.

#### 3.2 PROJECT RELATED GREENHOUSE GAS EMISSIONS

CEQA Guidelines 15064.4 (b) (1) states that a lead agency may use a model or methodology to quantify greenhouse gas emissions associated with a project (50).

On October 14, 2016, the SCAQMD in conjunction with the California Air Pollution Control Officers Association (CAPCOA) and other California air districts, released the latest version of the California Emissions Estimator Model™ (CalEEMod™) v2016.3.1. The purpose of this model is to more accurately calculate construction-source and operational-source criteria pollutant (NO<sub>x</sub>, VOC, PM<sub>10</sub>, PM<sub>2.5</sub>, SO<sub>x</sub>, and CO) and greenhouse gas (GHG) emissions from direct and indirect sources; and quantify applicable air quality and GHG reductions achieved from mitigation measures (51). Accordingly, the latest version of CalEEMod™ has been used for this Project to determine construction and operational air quality impacts. Output from the model runs for both construction and operational activity are provided in Appendix 3.1.

#### 3.3 CONSTRUCTION AND OPERATIONAL LIFE-CYCLE ANALYSIS

A full life-cycle analysis (LCA) for construction and operational activity is not included in this analysis due to the lack of consensus guidance on LCA methodology at this time. Life-cycle analysis (i.e., assessing economy-wide GHG emissions from the processes in manufacturing and transporting all raw materials used in the project development, infrastructure and on-going operations) depends on emission factors or econometric factors that are not well established for all processes. At this time a LCA would be extremely speculative and thus has not been prepared.

#### 3.4 CONSTRUCTION EMISSIONS

Construction activities associated with the proposed Project will result in emissions of CO<sub>2</sub> and CH<sub>4</sub> from construction activities.

The report Legacy Park (Tentative Tract Map No. 36760) Air Quality Impact Analysis Report, Urban Crossroads, Inc. (2016) contains detailed information regarding construction activity (52).

For construction phase Project emissions, GHGs are quantified and amortized over the life of the Project. To amortize the emissions over the life of the Project, the SCAQMD recommends calculating the total greenhouse gas emissions for the construction activities, dividing it by a 30-year project life then adding that number to the annual operational phase GHG emissions (53). As such, construction emissions were amortized over a 30-year period and added to the annual operational phase GHG emissions.

### 3.5 OPERATIONAL EMISSIONS

Operational activities associated with the proposed Project will result in emissions of CO<sub>2</sub>, CH<sub>4</sub>, and N<sub>2</sub>O from the following primary sources:

- Area Source Emissions
- Energy Source Emissions
- Mobile Source Emissions
- Solid Waste
- Water Supply, Treatment and Distribution

#### 3.5.1 AREA SOURCE EMISSIONS

##### Hearths/Fireplaces

GHG emissions would result from the combustion of wood or biomass and are considered biogenic emissions of CO<sub>2</sub>. The emissions associated with use of hearths/fireplaces were calculated based on assumptions provided in the CalEEMod model. The Project is required to comply with SCAQMD Rule 445, which prohibits the use of wood burning stoves and fireplaces in new development. In order to account for the requirements of this Rule, the unmitigated CalEEMod model estimates were adjusted to remove wood burning stoves and fireplaces. As the project is required to comply with SCAQMD Rule 445, the removal of wood burning stoves and fireplaces is not considered "mitigation" although it must be identified as such in CalEEMod in order to treat the case appropriately.

##### Landscape Maintenance Equipment

Landscape maintenance equipment would generate emissions from fuel combustion and evaporation of unburned fuel. Equipment in this category would include lawnmowers, shredders/grinders, blowers, trimmers, chain saws, and hedge trimmers used to maintain the landscaping of the Project. CalEEMod default parameters were used to estimate emissions associated with landscape maintenance equipment for the Project scenario.

#### 3.5.2 ENERGY SOURCE EMISSIONS

##### Combustion Emissions Associated with Natural Gas and Electricity

GHGs are emitted from buildings as a result of activities for which electricity and natural gas are typically used as energy sources. Combustion of any type of fuel emits CO<sub>2</sub> and other GHGs directly into the atmosphere; these emissions are considered direct emissions associated with a building. GHGs are also emitted during the generation of electricity from fossil fuels; these emissions are considered to be indirect emissions. CalEEMod default parameters were used to estimate electricity and natural gas demand for the Project scenario.

### 3.5.3 MOBILE SOURCE EMISSIONS

#### Vehicles

GHG emissions will also result from mobile sources associated with the Project. These mobile source emissions will result from the typical daily operation of motor vehicles by visitors and residents. Trip characteristics available from the report, Legacy Park (Tentative Tract Map No. 36760) Traffic Impact Analysis (Urban Crossroads) 2016 were utilized in this analysis (54). A fleet mix consistent with the Caltrans ITS Transportation Project-Level Carbon Monoxide Protocol was used in this report in order to appropriately represent vehicular trips from a primarily residential development (55).

### 3.5.4 SOLID WASTE

Residential land uses will result in the generation and disposal of solid waste. A large percentage of this waste will be diverted from landfills by a variety of means, such as reducing the amount of waste generated, recycling, and/or composting. The remainder of the waste not diverted will be disposed of at a landfill. GHG emissions from landfills are associated with the anaerobic breakdown of material. CalEEMod default parameters were used to estimate GHG emissions associated with the disposal of solid waste for the Project scenario.

### 3.5.5 WATER SUPPLY, TREATMENT AND DISTRIBUTION

Indirect GHG emissions result from the production of electricity used to convey, treat and distribute water and wastewater. The amount of electricity required to convey, treat and distribute water depends on the volume of water as well as the sources of the water. CalEEMod default parameters were used to estimate GHG emissions associated with water supply, treatment and distribution for the Project scenario.

## 3.6 EMISSIONS SUMMARY

According to the City of Moreno Valley Census, the latest Persons per Household data (2010-2014) is 3.91 (56). The Project proposes to construct 221 single family detached dwelling units. As such, the Project would result in approximately 864 Persons per Household. The annual GHG emissions associated with the operation of the proposed Project are estimated to be 3,992.20 MTCO<sub>2</sub>e per year. As shown in Table 3-1, the total annual Project efficiency threshold would be 4.62 MTCO<sub>2</sub>e per year. The Project would not exceed the Project efficiency threshold of 4.8 MTCO<sub>2</sub>e per year and therefore would result in a less than significant impact with respect to the Project efficiency threshold.

**TABLE 3-1: TOTAL PROJECT GREENHOUSE GAS EMISSIONS (ANNUAL)**

Emission Source	Emissions (metric tons per year)			
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	Total CO <sub>2</sub> E
Annual construction-related emissions amortized over 30 years	37.06	4.16E-03	0.00	37.16
Area	56.79	4.63E-03	9.70E-04	57.20
Energy	888.47	4.00E-02	1.00E-02	523.66
Mobile Source	3,157.07	1.60E-01	0	3,161.18
Waste	52.60	3.11	0.00	130.31
Water Usage	67.33	0.47	1.00E-02	82.69
<b>Total CO<sub>2</sub>E (All Sources)</b>	<b>3,992.20</b>			
<b>Total Service Population (Persons Per Household)</b>	<b>864</b>			
<b>Total CO<sub>2</sub>E (All Sources/ Service Population))</b>	<b>4.62</b>			
<b>Threshold (Persons Per Household)</b>	<b>4.8</b>			
<b>Significant?</b>	<b>NO</b>			

Source: CalEEMod™ model output, See Appendix 3.1 for detailed model outputs.

Note: Totals obtained from CalEEMod™ and may not total 100% due to rounding. Table results include scientific notation. *e* is used to represent *times ten raised to the power of* (which would be written as  $\times 10^{nn}$ ) and is followed by the value of the exponent

## 4 CONCLUSION

The City of Moreno Valley has not adopted its own numeric threshold of significance for determining impacts with respect to GHG emissions. The SCAQMD has convened a Working Group. Based on the last Working Group meeting (Meeting No. 15) held in September 2010, SCAQMD is proposing to adopt a tiered approach for evaluating GHG emissions for development projects where SCAQMD is not the lead agency. SCAQMD had proposed a Project level efficiency significance threshold, in which a 2020 statewide population and employment for land use sectors was divided by 2020 statewide SP, amounting to a 4.8 MTCO<sub>2</sub>e per service population threshold (1). The City will utilize the Project level efficiency significance threshold approach recommended in the SCAQMD's Interim Thresholds document for commercial, residential, and mixed use projects.

Thus, and based on guidance from the SCAQMD, if a residential project would emit GHGs less than 4.8 MTCO<sub>2</sub>e per service population, the project is not considered a substantial GHG emitter and the GHG impact is less than significant. On the other hand, if a residential project would emit GHGs in excess of 4.8 MTCO<sub>2</sub>e per service population, then the project could be considered a substantial GHG emitter, requiring additional analysis and potential mitigation.

As shown in Table 4-1, the proposed project would result in approximately 4.62 MTCO<sub>2</sub>e per service population and would not exceed the threshold of 4.8 MTCO<sub>2</sub>e per service population. Therefore, project-related emissions would not have a significant direct or indirect impact on GHG and climate change.

**TABLE 4-1: TOTAL PROJECT GREENHOUSE GAS EMISSIONS (ANNUAL)**

Emission Source	Emissions (metric tons per year)			
	CO <sub>2</sub>	CH <sub>4</sub>	N <sub>2</sub> O	Total CO <sub>2</sub> E
Annual construction-related emissions amortized over 30 years	37.06	4.16E-03	0.00	37.16
Area	56.79	4.63E-03	9.70E-04	57.20
Energy	888.47	4.00E-02	1.00E-02	523.66
Mobile Source	3,157.07	1.60E-01	0	3,161.18
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Water Usage	67.33	0.47	1.00E-02	82.69
<b>Total CO<sub>2</sub>E (All Sources)</b>	<b>3,992.20</b>			
<b>Total Service Population (Persons Per Household)</b>	<b>864</b>			
<b>Total CO<sub>2</sub>E (All Sources/ Service Population))</b>	<b>4.62</b>			
<b>Threshold (Persons Per Household)</b>	<b>4.8</b>			
<b>Significant?</b>	<b>NO</b>			



**The Project would not conflict with the City of Moreno Valley Energy Efficiency and Climate Action Strategy**

The Project is consistent with and supports the CAS, which is the applicable plan, policy or regulation adopted for the purpose of reducing greenhouse gases. Project consistency with the CAS is detailed in Section 2.10.

**CONSTRUCTION AND OPERATIONAL-SOURCE MITIGATION MEASURES**

No significant impacts were identified, therefore, no mitigation measures are required.

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Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

## 6 CERTIFICATION

The contents of this greenhouse gas study report represent an accurate depiction of the greenhouse gas impacts associated with the proposed Legacy Park (Tentative Tract Map No. 36760). The information contained in this greenhouse gas report is based on the best available data at the time of preparation. If you have any questions, please contact me directly at (949) 336-5987.

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### EDUCATION

Master of Science in Environmental Studies  
 California State University, Fullerton • May, 2010

Bachelor of Arts in Environmental Analysis and Design  
 University of California, Irvine • June, 2006

### PROFESSIONAL AFFILIATIONS

AEP – Association of Environmental Planners  
 AWMA – Air and Waste Management Association  
 ASTM – American Society for Testing and Materials

### PROFESSIONAL CERTIFICATIONS

Planned Communities and Urban Infill – Urban Land Institute • June, 2011  
 Indoor Air Quality and Industrial Hygiene – EMSL Analytical • April, 2008  
 Principles of Ambient Air Monitoring – California Air Resources Board • August, 2007  
 AB2588 Regulatory Standards – Trinity Consultants • November, 2006  
 Air Dispersion Modeling – Lakes Environmental • June, 2006



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Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

**APPENDIX 3.1:**  
**CALEEMOD EMISSIONS MODEL OUTPUTS**

Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

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Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE,

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

**Legacy Park (Tentative Tract Map No. 36760)**  
**Riverside-South Coast County, Annual**

**1.0 Project Characteristics**

**1.1 Land Usage**

Land Uses	Size	Metric	Lot Acreage	Floor Surface Area	Population
Other Asphalt Surfaces	12.00	Acre	12.00	522,720.00	0
Single Family Housing	221.00	Dwelling Unit	40.90	512,278.00	632

**1.2 Other Project Characteristics**

<b>Urbanization</b>	Urban	<b>Wind Speed (m/s)</b>	2.4	<b>Precipitation Freq (Days)</b>	28
<b>Climate Zone</b>	10			<b>Operational Year</b>	2021
<b>Utility Company</b>	Southern California Edison				
<b>CO2 Intensity (lb/MW hr)</b>	479.9	<b>CH4 Intensity (lb/MW hr)</b>	0.029	<b>N2O Intensity (lb/MW hr)</b>	0.006

**1.3 User Entered Comments & Non-Default Data**

Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

Project Characteristics - CPUC GHG Calculator version 3c, worksheet tab "CO2 Allocations," cells AH/AQ 35-44.

Land Use - Based on site plan dated September 19, 2016; Total lot acreage: 52.9; Average home size: 2,318 s.f

Construction Phase - Based on past project experience and a 2021 opening year

Off-road Equipment - Based on 8 hour workday

Off-road Equipment - Based on 8 hour workday

Off-road Equipment - Based on past project experience

Off-road Equipment -

Grading -

Construction Off-road Equipment Mitigation -

Vehicle Trips -

Woodstoves - Rule 445- Gas stoves only

Energy Use - .

Table Name	Column Name	Default Value	New Value
tblConstDustMitigation	WaterUnpavedRoadVehicleSpeed	40	0
tblConstructionPhase	NumDays	75.00	650.00
tblConstructionPhase	NumDays	1,110.00	650.00
tblConstructionPhase	NumDays	110.00	75.00
tblConstructionPhase	NumDays	75.00	55.00
tblConstructionPhase	PhaseEndDate	11/23/2022	12/24/2021
tblConstructionPhase	PhaseEndDate	3/11/2020	9/25/2020
tblConstructionPhase	PhaseEndDate	9/13/2017	1/12/2018
tblConstructionPhase	PhaseEndDate	5/27/2020	3/30/2018
tblConstructionPhase	PhaseStartDate	5/28/2020	6/29/2019
tblConstructionPhase	PhaseStartDate	9/14/2017	3/31/2018
tblConstructionPhase	PhaseStartDate	6/1/2017	10/1/2017
tblConstructionPhase	PhaseStartDate	3/12/2020	1/13/2018

Attachment: Greenhouse Gas Analysis (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

tblFireplaces	NumberGas	187.85	221.00
tblFireplaces	NumberNoFireplace	22.10	0.00
tblFireplaces	NumberWood	11.05	0.00
tblLandUse	BuildingSpaceSquareFeet	397,800.00	512,278.00
tblLandUse	LandUseSquareFeet	397,800.00	512,278.00
tblLandUse	LotAcreage	71.75	40.90
tblOffRoadEquipment	HorsePower	402.00	189.00
tblOffRoadEquipment	LoadFactor	0.38	0.50
tblOffRoadEquipment	UsageHours	6.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblOffRoadEquipment	UsageHours	7.00	8.00
tblProjectCharacteristics	CO2IntensityFactor	702.44	479.9
tblProjectCharacteristics	OperationalYear	2018	2021
tblWoodstoves	NumberCatalytic	11.05	0.00
tblWoodstoves	NumberNoncatalytic	11.05	0.00

2.0 Emissions Summary



Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

**2.1 Overall Construction**

**Unmitigated Construction**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.2139	2.4482	1.3914	2.3600e-003	0.3335	0.1101	0.4436	0.1371	0.1013	0.2384	0.0000	218.9203	218.9203	0.0650	0.0000	220.5457
2018	0.5706	4.7207	3.9672	9.8200e-003	0.7206	0.2111	0.9317	0.2414	0.1976	0.4390	0.0000	897.5871	897.5871	0.1222	0.0000	900.6431
2019	0.9531	4.9217	4.5096	0.0122	0.5623	0.2068	0.7690	0.1514	0.1950	0.3464	0.0000	1,111.7441	1,111.7441	0.1248	0.0000	1,114.8645
2020	1.1339	3.4991	3.5302	9.7400e-003	0.4700	0.1433	0.6133	0.1263	0.1358	0.2622	0.0000	880.3406	880.3406	0.0923	0.0000	882.6476
2021	0.7301	0.2828	0.5520	1.2600e-003	0.0844	0.0166	0.1010	0.0224	0.0165	0.0389	0.0000	111.8389	111.8389	4.5800e-003	0.0000	111.9534
<b>Maximum</b>	<b>1.1339</b>	<b>4.9217</b>	<b>4.5096</b>	<b>0.0122</b>	<b>0.7206</b>	<b>0.2111</b>	<b>0.9317</b>	<b>0.2414</b>	<b>0.1976</b>	<b>0.4390</b>	<b>0.0000</b>	<b>1,111.7441</b>	<b>1,111.7441</b>	<b>0.1248</b>	<b>0.0000</b>	<b>1,114.8645</b>

Attachment: Greenhouse Gas Analysis (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

2.1 Overall Construction

Mitigated Construction

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Year	tons/yr										MT/yr					
2017	0.2139	2.4482	1.3914	2.3600e-003	0.1351	0.1101	0.2452	0.0548	0.1013	0.1561	0.0000	218.9200	218.9200	0.0650	0.0000	220.5454
2018	0.5706	4.7207	3.9672	9.8200e-003	0.5222	0.2111	0.7333	0.1591	0.1976	0.3567	0.0000	897.5867	897.5867	0.1222	0.0000	900.6426
2019	0.9531	4.9217	4.5096	0.0122	0.5623	0.2068	0.7690	0.1514	0.1950	0.3464	0.0000	1,111.7437	1,111.7437	0.1248	0.0000	1,114.8641
2020	1.1339	3.4990	3.5302	9.7400e-003	0.4700	0.1433	0.6133	0.1263	0.1358	0.2622	0.0000	880.3403	880.3403	0.0923	0.0000	882.6473
2021	0.7301	0.2828	0.5520	1.2600e-003	0.0844	0.0166	0.1010	0.0224	0.0165	0.0389	0.0000	111.8389	111.8389	4.5800e-003	0.0000	111.9534
<b>Maximum</b>	<b>1.1339</b>	<b>4.9217</b>	<b>4.5096</b>	<b>0.0122</b>	<b>0.5623</b>	<b>0.2111</b>	<b>0.7690</b>	<b>0.1591</b>	<b>0.1976</b>	<b>0.3567</b>	<b>0.0000</b>	<b>1,111.7437</b>	<b>1,111.7437</b>	<b>0.1248</b>	<b>0.0000</b>	<b>1,114.8641</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
<b>Percent Reduction</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>18.28</b>	<b>0.00</b>	<b>13.88</b>	<b>24.25</b>	<b>0.00</b>	<b>12.42</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

Quarter	Start Date	End Date	Maximum Unmitigated ROG + NOX (tons/quarter)	Maximum Mitigated ROG + NOX (tons/quarter)
2	9-1-2017	11-30-2017	1.7846	1.7846
3	12-1-2017	2-28-2018	1.5457	1.5457
4	3-1-2018	5-31-2018	1.2021	1.2021
5	6-1-2018	8-31-2018	1.4677	1.4677
6	9-1-2018	11-30-2018	1.4519	1.4519
7	12-1-2018	2-28-2019	1.3508	1.3508

Attachment: Greenhouse Gas Analysis (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

8	3-1-2019	5-31-2019	1.3353	1.3353
9	6-1-2019	8-31-2019	1.5296	1.5296
10	9-1-2019	11-30-2019	1.5966	1.5966
11	12-1-2019	2-29-2020	1.5084	1.5084
12	3-1-2020	5-31-2020	1.4799	1.4799
13	6-1-2020	8-31-2020	1.4803	1.4803
14	9-1-2020	11-30-2020	0.5958	0.5958
15	12-1-2020	2-28-2021	0.2580	0.2580
16	3-1-2021	5-31-2021	0.2605	0.2605
17	6-1-2021	8-31-2021	0.2605	0.2605
18	9-1-2021	9-30-2021	0.0850	0.0850
		Highest	1.7846	1.7846

Attachment: Greenhouse Gas Analysis (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

2.2 Overall Operational

Unmitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.1270	0.0722	2.3037	4.1000e-004		0.0163	0.0163		0.0163	0.0163	0.0000	56.7935	56.7935	4.6300e-003	9.7000e-004	57.1991
Energy	0.0442	0.3781	0.1609	2.4100e-003		0.0306	0.0306		0.0306	0.0306	0.0000	888.4663	888.4663	0.0356	0.0137	893.4279
Mobile	0.6530	5.6138	8.2201	0.0360	2.7241	0.0264	2.7504	0.7299	0.0248	0.7546	0.0000	3,332.0814	3,332.0814	0.1692	0.0000	3,336.3102
Waste						0.0000	0.0000		0.0000	0.0000	52.5990	0.0000	52.5990	3.1085	0.0000	130.3118
Water						0.0000	0.0000		0.0000	0.0000	4.5682	62.7661	67.3343	0.4730	0.0119	82.6942
<b>Total</b>	<b>2.8243</b>	<b>6.0641</b>	<b>10.6847</b>	<b>0.0388</b>	<b>2.7241</b>	<b>0.0732</b>	<b>2.7973</b>	<b>0.7299</b>	<b>0.0716</b>	<b>0.8015</b>	<b>57.1672</b>	<b>4,340.1073</b>	<b>4,397.2744</b>	<b>3.7909</b>	<b>0.0265</b>	<b>4,499.9432</b>

Attachment: Greenhouse Gas Analysis (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

2.2 Overall Operational

Mitigated Operational

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Area	2.1270	0.0722	2.3037	4.1000e-004		0.0163	0.0163		0.0163	0.0163	0.0000	56.7935	56.7935	4.6300e-003	9.7000e-004	57.1991
Energy	0.0442	0.3781	0.1609	2.4100e-003		0.0306	0.0306		0.0306	0.0306	0.0000	888.4663	888.4663	0.0356	0.0137	893.4279
Mobile	0.6530	5.6138	8.2201	0.0360	2.7241	0.0264	2.7504	0.7299	0.0248	0.7546	0.0000	3,332.0814	3,332.0814	0.1692	0.0000	3,336.3102
Waste						0.0000	0.0000		0.0000	0.0000	52.5990	0.0000	52.5990	3.1085	0.0000	130.3118
Water						0.0000	0.0000		0.0000	0.0000	4.5682	62.7661	67.3343	0.4730	0.0119	82.6942
<b>Total</b>	<b>2.8243</b>	<b>6.0641</b>	<b>10.6847</b>	<b>0.0388</b>	<b>2.7241</b>	<b>0.0732</b>	<b>2.7973</b>	<b>0.7299</b>	<b>0.0716</b>	<b>0.8015</b>	<b>57.1672</b>	<b>4,340.1073</b>	<b>4,397.2744</b>	<b>3.7909</b>	<b>0.0265</b>	<b>4,499.9432</b>

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio-CO2	Total CO2	CH4	N2O	CO2e
Percent Reduction	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

3.0 Construction Detail

Construction Phase

Attachment: Greenhouse Gas Analysis (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

Phase Number	Phase Name	Phase Type	Start Date	End Date	Num Days Week	Num Days	Phase Description
1	Grading	Grading	10/1/2017	1/12/2018	5	75	
2	Paving	Paving	1/13/2018	3/30/2018	5	55	
3	Building Construction	Building Construction	3/31/2018	9/25/2020	5	650	
4	Architectural Coating	Architectural Coating	6/29/2019	12/24/2021	5	650	

Acres of Grading (Site Preparation Phase): 0

Acres of Grading (Grading Phase): 187.5

Acres of Paving: 12

Residential Indoor: 1,037,363; Residential Outdoor: 345,788; Non-Residential Indoor: 0; Non-Residential Outdoor: 0; Striped Parking Area: 31,363 (Architectural Coating – sqft)

OffRoad Equipment

Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN



Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

Phase Name	Offroad Equipment Type	Amount	Usage Hours	Horse Power	Load Factor
Grading	Excavators	2	8.00	158	0.38
Grading	Graders	1	8.00	187	0.41
Grading	Off-Highway Trucks	1	8.00	189	0.50
Grading	Rubber Tired Dozers	1	8.00	247	0.40
Grading	Scrapers	2	8.00	367	0.48
Grading	Tractors/Loaders/Backhoes	2	8.00	97	0.37
Building Construction	Cranes	1	8.00	231	0.29
Building Construction	Forklifts	3	8.00	89	0.20
Building Construction	Generator Sets	1	8.00	84	0.74
Building Construction	Tractors/Loaders/Backhoes	3	8.00	97	0.37
Building Construction	Welders	1	8.00	46	0.45
Paving	Pavers	2	8.00	130	0.42
Paving	Paving Equipment	2	8.00	132	0.36
Paving	Rollers	2	8.00	80	0.38
Architectural Coating	Air Compressors	1	8.00	78	0.48

**Trips and VMT**

Phase Name	Offroad Equipment Count	Worker Trip Number	Vendor Trip Number	Hauling Trip Number	Worker Trip Length	Vendor Trip Length	Hauling Trip Length	Worker Vehicle Class	Vendor Vehicle Class	Hauling Vehicle Class
Grading	9	23.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Building Construction	9	299.00	109.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Paving	6	15.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT
Architectural Coating	1	60.00	0.00	0.00	14.70	6.90	20.00	LD_Mix	HDT_Mix	HHDT

**3.1 Mitigation Measures Construction**

Water Exposed Area

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

**3.2 Grading - 2017**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3253	0.0000	0.3253	0.1349	0.0000	0.1349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2094	2.4446	1.3554	2.2800e-003		0.1101	0.1101		0.1013	0.1013	0.0000	211.3836	211.3836	0.0648	0.0000	213.0028
<b>Total</b>	<b>0.2094</b>	<b>2.4446</b>	<b>1.3554</b>	<b>2.2800e-003</b>	<b>0.3253</b>	<b>0.1101</b>	<b>0.4353</b>	<b>0.1349</b>	<b>0.1013</b>	<b>0.2362</b>	<b>0.0000</b>	<b>211.3836</b>	<b>211.3836</b>	<b>0.0648</b>	<b>0.0000</b>	<b>213.0028</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5100e-003	3.5100e-003	0.0360	8.0000e-005	8.2200e-003	5.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003	0.0000	7.5366	7.5366	2.5000e-004	0.0000	7.5428
<b>Total</b>	<b>4.5100e-003</b>	<b>3.5100e-003</b>	<b>0.0360</b>	<b>8.0000e-005</b>	<b>8.2200e-003</b>	<b>5.0000e-005</b>	<b>8.2700e-003</b>	<b>2.1800e-003</b>	<b>5.0000e-005</b>	<b>2.2300e-003</b>	<b>0.0000</b>	<b>7.5366</b>	<b>7.5366</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>7.5428</b>

Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

**3.2 Grading - 2017**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1269	0.0000	0.1269	0.0526	0.0000	0.0526	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.2094	2.4446	1.3554	2.2800e-003		0.1101	0.1101		0.1013	0.1013	0.0000	211.3834	211.3834	0.0648	0.0000	213.0026
<b>Total</b>	<b>0.2094</b>	<b>2.4446</b>	<b>1.3554</b>	<b>2.2800e-003</b>	<b>0.1269</b>	<b>0.1101</b>	<b>0.2369</b>	<b>0.0526</b>	<b>0.1013</b>	<b>0.1539</b>	<b>0.0000</b>	<b>211.3834</b>	<b>211.3834</b>	<b>0.0648</b>	<b>0.0000</b>	<b>213.0026</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	4.5100e-003	3.5100e-003	0.0360	8.0000e-005	8.2200e-003	5.0000e-005	8.2700e-003	2.1800e-003	5.0000e-005	2.2300e-003	0.0000	7.5366	7.5366	2.5000e-004	0.0000	7.5428
<b>Total</b>	<b>4.5100e-003</b>	<b>3.5100e-003</b>	<b>0.0360</b>	<b>8.0000e-005</b>	<b>8.2200e-003</b>	<b>5.0000e-005</b>	<b>8.2700e-003</b>	<b>2.1800e-003</b>	<b>5.0000e-005</b>	<b>2.2300e-003</b>	<b>0.0000</b>	<b>7.5366</b>	<b>7.5366</b>	<b>2.5000e-004</b>	<b>0.0000</b>	<b>7.5428</b>

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**3.2 Grading - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.3253	0.0000	0.3253	0.1349	0.0000	0.1349	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0283	0.3264	0.1883	3.5000e-004		0.0144	0.0144		0.0132	0.0132	0.0000	32.0108	32.0108	9.9700e-003	0.0000	32.2599
<b>Total</b>	<b>0.0283</b>	<b>0.3264</b>	<b>0.1883</b>	<b>3.5000e-004</b>	<b>0.3253</b>	<b>0.0144</b>	<b>0.3396</b>	<b>0.1349</b>	<b>0.0132</b>	<b>0.1481</b>	<b>0.0000</b>	<b>32.0108</b>	<b>32.0108</b>	<b>9.9700e-003</b>	<b>0.0000</b>	<b>32.2599</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	4.7000e-004	4.8700e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	1.1265	1.1265	3.0000e-005	0.0000	1.1273
<b>Total</b>	<b>6.2000e-004</b>	<b>4.7000e-004</b>	<b>4.8700e-003</b>	<b>1.0000e-005</b>	<b>1.2600e-003</b>	<b>1.0000e-005</b>	<b>1.2700e-003</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.1265</b>	<b>1.1265</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.1273</b>

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

**3.2 Grading - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Fugitive Dust					0.1269	0.0000	0.1269	0.0526	0.0000	0.0526	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0283	0.3264	0.1883	3.5000e-004		0.0144	0.0144		0.0132	0.0132	0.0000	32.0107	32.0107	9.9700e-003	0.0000	32.2599
<b>Total</b>	<b>0.0283</b>	<b>0.3264</b>	<b>0.1883</b>	<b>3.5000e-004</b>	<b>0.1269</b>	<b>0.0144</b>	<b>0.1412</b>	<b>0.0526</b>	<b>0.0132</b>	<b>0.0658</b>	<b>0.0000</b>	<b>32.0107</b>	<b>32.0107</b>	<b>9.9700e-003</b>	<b>0.0000</b>	<b>32.2599</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	6.2000e-004	4.7000e-004	4.8700e-003	1.0000e-005	1.2600e-003	1.0000e-005	1.2700e-003	3.4000e-004	1.0000e-005	3.4000e-004	0.0000	1.1265	1.1265	3.0000e-005	0.0000	1.1273
<b>Total</b>	<b>6.2000e-004</b>	<b>4.7000e-004</b>	<b>4.8700e-003</b>	<b>1.0000e-005</b>	<b>1.2600e-003</b>	<b>1.0000e-005</b>	<b>1.2700e-003</b>	<b>3.4000e-004</b>	<b>1.0000e-005</b>	<b>3.4000e-004</b>	<b>0.0000</b>	<b>1.1265</b>	<b>1.1265</b>	<b>3.0000e-005</b>	<b>0.0000</b>	<b>1.1273</b>

Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

**3.3 Paving - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0452	0.4818	0.4069	6.3000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	57.2320	57.2320	0.0178	0.0000	57.6774
Paving	0.0157					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0609</b>	<b>0.4818</b>	<b>0.4069</b>	<b>6.3000e-004</b>		<b>0.0263</b>	<b>0.0263</b>		<b>0.0242</b>	<b>0.0242</b>	<b>0.0000</b>	<b>57.2320</b>	<b>57.2320</b>	<b>0.0178</b>	<b>0.0000</b>	<b>57.6774</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2400e-003	1.6900e-003	0.0175	4.0000e-005	4.5300e-003	3.0000e-005	4.5600e-003	1.2000e-003	3.0000e-005	1.2300e-003	0.0000	4.0406	4.0406	1.2000e-004	0.0000	4.0436
<b>Total</b>	<b>2.2400e-003</b>	<b>1.6900e-003</b>	<b>0.0175</b>	<b>4.0000e-005</b>	<b>4.5300e-003</b>	<b>3.0000e-005</b>	<b>4.5600e-003</b>	<b>1.2000e-003</b>	<b>3.0000e-005</b>	<b>1.2300e-003</b>	<b>0.0000</b>	<b>4.0406</b>	<b>4.0406</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>4.0436</b>



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**3.3 Paving - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.0452	0.4818	0.4069	6.3000e-004		0.0263	0.0263		0.0242	0.0242	0.0000	57.2319	57.2319	0.0178	0.0000	57.6773
Paving	0.0157					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
<b>Total</b>	<b>0.0609</b>	<b>0.4818</b>	<b>0.4069</b>	<b>6.3000e-004</b>		<b>0.0263</b>	<b>0.0263</b>		<b>0.0242</b>	<b>0.0242</b>	<b>0.0000</b>	<b>57.2319</b>	<b>57.2319</b>	<b>0.0178</b>	<b>0.0000</b>	<b>57.6773</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	2.2400e-003	1.6900e-003	0.0175	4.0000e-005	4.5300e-003	3.0000e-005	4.5600e-003	1.2000e-003	3.0000e-005	1.2300e-003	0.0000	4.0406	4.0406	1.2000e-004	0.0000	4.0436
<b>Total</b>	<b>2.2400e-003</b>	<b>1.6900e-003</b>	<b>0.0175</b>	<b>4.0000e-005</b>	<b>4.5300e-003</b>	<b>3.0000e-005</b>	<b>4.5600e-003</b>	<b>1.2000e-003</b>	<b>3.0000e-005</b>	<b>1.2300e-003</b>	<b>0.0000</b>	<b>4.0406</b>	<b>4.0406</b>	<b>1.2000e-004</b>	<b>0.0000</b>	<b>4.0436</b>

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**3.4 Building Construction - 2018**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2794	2.4724	1.8397	2.8200e-003		0.1575	0.1575		0.1478	0.1478	0.0000	249.8917	249.8917	0.0623	0.0000	251.4503
<b>Total</b>	<b>0.2794</b>	<b>2.4724</b>	<b>1.8397</b>	<b>2.8200e-003</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1478</b>	<b>0.1478</b>	<b>0.0000</b>	<b>249.8917</b>	<b>249.8917</b>	<b>0.0623</b>	<b>0.0000</b>	<b>251.4503</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0400	1.3177	0.2693	2.7900e-003	0.0675	0.0109	0.0784	0.0195	0.0105	0.0299	0.0000	266.2621	266.2621	0.0234	0.0000	266.8472
Worker	0.1591	0.1202	1.2408	3.1800e-003	0.3221	2.0500e-003	0.3241	0.0855	1.8900e-003	0.0874	0.0000	287.0234	287.0234	8.5600e-003	0.0000	287.2374
<b>Total</b>	<b>0.1991</b>	<b>1.4379</b>	<b>1.5101</b>	<b>5.9700e-003</b>	<b>0.3895</b>	<b>0.0130</b>	<b>0.4025</b>	<b>0.1050</b>	<b>0.0124</b>	<b>0.1173</b>	<b>0.0000</b>	<b>553.2856</b>	<b>553.2856</b>	<b>0.0320</b>	<b>0.0000</b>	<b>554.0846</b>

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**3.4 Building Construction - 2018**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2794	2.4724	1.8397	2.8200e-003		0.1575	0.1575		0.1478	0.1478	0.0000	249.8914	249.8914	0.0623	0.0000	251.4500
<b>Total</b>	<b>0.2794</b>	<b>2.4724</b>	<b>1.8397</b>	<b>2.8200e-003</b>		<b>0.1575</b>	<b>0.1575</b>		<b>0.1478</b>	<b>0.1478</b>	<b>0.0000</b>	<b>249.8914</b>	<b>249.8914</b>	<b>0.0623</b>	<b>0.0000</b>	<b>251.4500</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0400	1.3177	0.2693	2.7900e-003	0.0675	0.0109	0.0784	0.0195	0.0105	0.0299	0.0000	266.2621	266.2621	0.0234	0.0000	266.8472
Worker	0.1591	0.1202	1.2408	3.1800e-003	0.3221	2.0500e-003	0.3241	0.0855	1.8900e-003	0.0874	0.0000	287.0234	287.0234	8.5600e-003	0.0000	287.2374
<b>Total</b>	<b>0.1991</b>	<b>1.4379</b>	<b>1.5101</b>	<b>5.9700e-003</b>	<b>0.3895</b>	<b>0.0130</b>	<b>0.4025</b>	<b>0.1050</b>	<b>0.0124</b>	<b>0.1173</b>	<b>0.0000</b>	<b>553.2856</b>	<b>553.2856</b>	<b>0.0320</b>	<b>0.0000</b>	<b>554.0846</b>

Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

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**3.4 Building Construction - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3278	2.9632	2.3900	3.7600e-003		0.1801	0.1801		0.1691	0.1691	0.0000	328.9174	328.9174	0.0817	0.0000	330.9609
<b>Total</b>	<b>0.3278</b>	<b>2.9632</b>	<b>2.3900</b>	<b>3.7600e-003</b>		<b>0.1801</b>	<b>0.1801</b>		<b>0.1691</b>	<b>0.1691</b>	<b>0.0000</b>	<b>328.9174</b>	<b>328.9174</b>	<b>0.0817</b>	<b>0.0000</b>	<b>330.9609</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0482	1.6416	0.3268	3.6800e-003	0.0899	0.0124	0.1022	0.0259	0.0118	0.0378	0.0000	352.2212	352.2212	0.0300	0.0000	352.9716
Worker	0.1938	0.1412	1.4806	4.1000e-003	0.4289	2.6900e-003	0.4316	0.1139	2.4800e-003	0.1164	0.0000	370.5323	370.5323	0.0101	0.0000	370.7858
<b>Total</b>	<b>0.2420</b>	<b>1.7827</b>	<b>1.8073</b>	<b>7.7800e-003</b>	<b>0.5187</b>	<b>0.0151</b>	<b>0.5338</b>	<b>0.1398</b>	<b>0.0143</b>	<b>0.1541</b>	<b>0.0000</b>	<b>722.7536</b>	<b>722.7536</b>	<b>0.0402</b>	<b>0.0000</b>	<b>723.7573</b>

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**3.4 Building Construction - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.3278	2.9632	2.3900	3.7600e-003		0.1801	0.1801		0.1691	0.1691	0.0000	328.9171	328.9171	0.0817	0.0000	330.9605
<b>Total</b>	<b>0.3278</b>	<b>2.9632</b>	<b>2.3900</b>	<b>3.7600e-003</b>		<b>0.1801</b>	<b>0.1801</b>		<b>0.1691</b>	<b>0.1691</b>	<b>0.0000</b>	<b>328.9171</b>	<b>328.9171</b>	<b>0.0817</b>	<b>0.0000</b>	<b>330.9605</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0482	1.6416	0.3268	3.6800e-003	0.0899	0.0124	0.1022	0.0259	0.0118	0.0378	0.0000	352.2212	352.2212	0.0300	0.0000	352.9716
Worker	0.1938	0.1412	1.4806	4.1000e-003	0.4289	2.6900e-003	0.4316	0.1139	2.4800e-003	0.1164	0.0000	370.5323	370.5323	0.0101	0.0000	370.7858
<b>Total</b>	<b>0.2420</b>	<b>1.7827</b>	<b>1.8073</b>	<b>7.7800e-003</b>	<b>0.5187</b>	<b>0.0151</b>	<b>0.5338</b>	<b>0.1398</b>	<b>0.0143</b>	<b>0.1541</b>	<b>0.0000</b>	<b>722.7536</b>	<b>722.7536</b>	<b>0.0402</b>	<b>0.0000</b>	<b>723.7573</b>

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**3.4 Building Construction - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2176	1.9927	1.7339	2.7800e-003		0.1153	0.1153		0.1083	0.1083	0.0000	239.4923	239.4923	0.0597	0.0000	240.9847
<b>Total</b>	<b>0.2176</b>	<b>1.9927</b>	<b>1.7339</b>	<b>2.7800e-003</b>		<b>0.1153</b>	<b>0.1153</b>		<b>0.1083</b>	<b>0.1083</b>	<b>0.0000</b>	<b>239.4923</b>	<b>239.4923</b>	<b>0.0597</b>	<b>0.0000</b>	<b>240.9847</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0299	1.0940	0.2140	2.7000e-003	0.0664	6.1900e-003	0.0726	0.0192	5.9200e-003	0.0251	0.0000	258.6370	258.6370	0.0207	0.0000	259.1538
Worker	0.1326	0.0929	0.9921	2.9400e-003	0.3171	1.9500e-003	0.3191	0.0842	1.8000e-003	0.0860	0.0000	265.3346	265.3346	6.6400e-003	0.0000	265.5007
<b>Total</b>	<b>0.1625</b>	<b>1.1870</b>	<b>1.2062</b>	<b>5.6400e-003</b>	<b>0.3836</b>	<b>8.1400e-003</b>	<b>0.3917</b>	<b>0.1034</b>	<b>7.7200e-003</b>	<b>0.1111</b>	<b>0.0000</b>	<b>523.9716</b>	<b>523.9716</b>	<b>0.0273</b>	<b>0.0000</b>	<b>524.6545</b>



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**3.4 Building Construction - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Off-Road	0.2176	1.9927	1.7339	2.7800e-003		0.1153	0.1153		0.1083	0.1083	0.0000	239.4920	239.4920	0.0597	0.0000	240.9844
<b>Total</b>	<b>0.2176</b>	<b>1.9927</b>	<b>1.7339</b>	<b>2.7800e-003</b>		<b>0.1153</b>	<b>0.1153</b>		<b>0.1083</b>	<b>0.1083</b>	<b>0.0000</b>	<b>239.4920</b>	<b>239.4920</b>	<b>0.0597</b>	<b>0.0000</b>	<b>240.9844</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0299	1.0940	0.2140	2.7000e-003	0.0664	6.1900e-003	0.0726	0.0192	5.9200e-003	0.0251	0.0000	258.6370	258.6370	0.0207	0.0000	259.1538
Worker	0.1326	0.0929	0.9921	2.9400e-003	0.3171	1.9500e-003	0.3191	0.0842	1.8000e-003	0.0860	0.0000	265.3346	265.3346	6.6400e-003	0.0000	265.5007
<b>Total</b>	<b>0.1625</b>	<b>1.1870</b>	<b>1.2062</b>	<b>5.6400e-003</b>	<b>0.3836</b>	<b>8.1400e-003</b>	<b>0.3917</b>	<b>0.1034</b>	<b>7.7200e-003</b>	<b>0.1111</b>	<b>0.0000</b>	<b>523.9716</b>	<b>523.9716</b>	<b>0.0273</b>	<b>0.0000</b>	<b>524.6545</b>

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**3.5 Architectural Coating - 2019**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3402					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0235	0.1615	0.1620	2.6000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	22.4686	22.4686	1.9000e-003	0.0000	22.5161
<b>Total</b>	<b>0.3637</b>	<b>0.1615</b>	<b>0.1620</b>	<b>2.6000e-004</b>		<b>0.0113</b>	<b>0.0113</b>		<b>0.0113</b>	<b>0.0113</b>	<b>0.0000</b>	<b>22.4686</b>	<b>22.4686</b>	<b>1.9000e-003</b>	<b>0.0000</b>	<b>22.5161</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0197	0.0143	0.1503	4.2000e-004	0.0435	2.7000e-004	0.0438	0.0116	2.5000e-004	0.0118	0.0000	37.6045	37.6045	1.0300e-003	0.0000	37.6302
<b>Total</b>	<b>0.0197</b>	<b>0.0143</b>	<b>0.1503</b>	<b>4.2000e-004</b>	<b>0.0435</b>	<b>2.7000e-004</b>	<b>0.0438</b>	<b>0.0116</b>	<b>2.5000e-004</b>	<b>0.0118</b>	<b>0.0000</b>	<b>37.6045</b>	<b>37.6045</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>37.6302</b>

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**3.5 Architectural Coating - 2019**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.3402					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0235	0.1615	0.1620	2.6000e-004		0.0113	0.0113		0.0113	0.0113	0.0000	22.4686	22.4686	1.9000e-003	0.0000	22.5161
<b>Total</b>	<b>0.3637</b>	<b>0.1615</b>	<b>0.1620</b>	<b>2.6000e-004</b>		<b>0.0113</b>	<b>0.0113</b>		<b>0.0113</b>	<b>0.0113</b>	<b>0.0000</b>	<b>22.4686</b>	<b>22.4686</b>	<b>1.9000e-003</b>	<b>0.0000</b>	<b>22.5161</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0197	0.0143	0.1503	4.2000e-004	0.0435	2.7000e-004	0.0438	0.0116	2.5000e-004	0.0118	0.0000	37.6045	37.6045	1.0300e-003	0.0000	37.6302
<b>Total</b>	<b>0.0197</b>	<b>0.0143</b>	<b>0.1503</b>	<b>4.2000e-004</b>	<b>0.0435</b>	<b>2.7000e-004</b>	<b>0.0438</b>	<b>0.0116</b>	<b>2.5000e-004</b>	<b>0.0118</b>	<b>0.0000</b>	<b>37.6045</b>	<b>37.6045</b>	<b>1.0300e-003</b>	<b>0.0000</b>	<b>37.6302</b>

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**3.5 Architectural Coating - 2020**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6753					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0423	0.2941	0.3199	5.2000e-004		0.0194	0.0194		0.0194	0.0194	0.0000	44.5968	44.5968	3.4500e-003	0.0000	44.6832
<b>Total</b>	<b>0.7176</b>	<b>0.2941</b>	<b>0.3199</b>	<b>5.2000e-004</b>		<b>0.0194</b>	<b>0.0194</b>		<b>0.0194</b>	<b>0.0194</b>	<b>0.0000</b>	<b>44.5968</b>	<b>44.5968</b>	<b>3.4500e-003</b>	<b>0.0000</b>	<b>44.6832</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0361	0.0253	0.2703	8.0000e-004	0.0864	5.3000e-004	0.0869	0.0229	4.9000e-004	0.0234	0.0000	72.2800	72.2800	1.8100e-003	0.0000	72.3252
<b>Total</b>	<b>0.0361</b>	<b>0.0253</b>	<b>0.2703</b>	<b>8.0000e-004</b>	<b>0.0864</b>	<b>5.3000e-004</b>	<b>0.0869</b>	<b>0.0229</b>	<b>4.9000e-004</b>	<b>0.0234</b>	<b>0.0000</b>	<b>72.2800</b>	<b>72.2800</b>	<b>1.8100e-003</b>	<b>0.0000</b>	<b>72.3252</b>

Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

**3.5 Architectural Coating - 2020**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6753					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0423	0.2941	0.3199	5.2000e-004		0.0194	0.0194		0.0194	0.0194	0.0000	44.5968	44.5968	3.4500e-003	0.0000	44.6831
<b>Total</b>	<b>0.7176</b>	<b>0.2941</b>	<b>0.3199</b>	<b>5.2000e-004</b>		<b>0.0194</b>	<b>0.0194</b>		<b>0.0194</b>	<b>0.0194</b>	<b>0.0000</b>	<b>44.5968</b>	<b>44.5968</b>	<b>3.4500e-003</b>	<b>0.0000</b>	<b>44.6831</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0361	0.0253	0.2703	8.0000e-004	0.0864	5.3000e-004	0.0869	0.0229	4.9000e-004	0.0234	0.0000	72.2800	72.2800	1.8100e-003	0.0000	72.3252
<b>Total</b>	<b>0.0361</b>	<b>0.0253</b>	<b>0.2703</b>	<b>8.0000e-004</b>	<b>0.0864</b>	<b>5.3000e-004</b>	<b>0.0869</b>	<b>0.0229</b>	<b>4.9000e-004</b>	<b>0.0234</b>	<b>0.0000</b>	<b>72.2800</b>	<b>72.2800</b>	<b>1.8100e-003</b>	<b>0.0000</b>	<b>72.3252</b>

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**3.5 Architectural Coating - 2021**

**Unmitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6599					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0374	0.2606	0.3102	5.1000e-004		0.0161	0.0161		0.0161	0.0161	0.0000	43.5755	43.5755	2.9900e-003	0.0000	43.6503
<b>Total</b>	<b>0.6972</b>	<b>0.2606</b>	<b>0.3102</b>	<b>5.1000e-004</b>		<b>0.0161</b>	<b>0.0161</b>		<b>0.0161</b>	<b>0.0161</b>	<b>0.0000</b>	<b>43.5755</b>	<b>43.5755</b>	<b>2.9900e-003</b>	<b>0.0000</b>	<b>43.6503</b>

**Unmitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0329	0.0222	0.2418	7.5000e-004	0.0844	5.1000e-004	0.0849	0.0224	4.7000e-004	0.0229	0.0000	68.2634	68.2634	1.5900e-003	0.0000	68.3032
<b>Total</b>	<b>0.0329</b>	<b>0.0222</b>	<b>0.2418</b>	<b>7.5000e-004</b>	<b>0.0844</b>	<b>5.1000e-004</b>	<b>0.0849</b>	<b>0.0224</b>	<b>4.7000e-004</b>	<b>0.0229</b>	<b>0.0000</b>	<b>68.2634</b>	<b>68.2634</b>	<b>1.5900e-003</b>	<b>0.0000</b>	<b>68.3032</b>

Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN



Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

**3.5 Architectural Coating - 2021**

**Mitigated Construction On-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Archit. Coating	0.6599					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Off-Road	0.0374	0.2606	0.3102	5.1000e-004		0.0161	0.0161		0.0161	0.0161	0.0000	43.5755	43.5755	2.9900e-003	0.0000	43.6502
<b>Total</b>	<b>0.6972</b>	<b>0.2606</b>	<b>0.3102</b>	<b>5.1000e-004</b>		<b>0.0161</b>	<b>0.0161</b>		<b>0.0161</b>	<b>0.0161</b>	<b>0.0000</b>	<b>43.5755</b>	<b>43.5755</b>	<b>2.9900e-003</b>	<b>0.0000</b>	<b>43.6502</b>

**Mitigated Construction Off-Site**

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Hauling	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Vendor	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Worker	0.0329	0.0222	0.2418	7.5000e-004	0.0844	5.1000e-004	0.0849	0.0224	4.7000e-004	0.0229	0.0000	68.2634	68.2634	1.5900e-003	0.0000	68.3032
<b>Total</b>	<b>0.0329</b>	<b>0.0222</b>	<b>0.2418</b>	<b>7.5000e-004</b>	<b>0.0844</b>	<b>5.1000e-004</b>	<b>0.0849</b>	<b>0.0224</b>	<b>4.7000e-004</b>	<b>0.0229</b>	<b>0.0000</b>	<b>68.2634</b>	<b>68.2634</b>	<b>1.5900e-003</b>	<b>0.0000</b>	<b>68.3032</b>

**4.0 Operational Detail - Mobile**

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

4.1 Mitigation Measures Mobile

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	0.6530	5.6138	8.2201	0.0360	2.7241	0.0264	2.7504	0.7299	0.0248	0.7546	0.0000	3,332.0814	3,332.0814	0.1692	0.0000	3,336.3102
Unmitigated	0.6530	5.6138	8.2201	0.0360	2.7241	0.0264	2.7504	0.7299	0.0248	0.7546	0.0000	3,332.0814	3,332.0814	0.1692	0.0000	3,336.3102

4.2 Trip Summary Information

Land Use	Average Daily Trip Rate			Unmitigated	Mitigated
	Weekday	Saturday	Sunday	Annual VMT	Annual VMT
Other Asphalt Surfaces	0.00	0.00	0.00		
Single Family Housing	2,103.92	2,190.11	1905.02	7,134,393	7,134,393
Total	2,103.92	2,190.11	1,905.02	7,134,393	7,134,393

4.3 Trip Type Information

Land Use	Miles			Trip %			Trip Purpose %		
	H-W or C-W	H-S or C-C	H-O or C-NW	H-W or C-W	H-S or C-C	H-O or C-NW	Primary	Diverted	Pass-by
Other Asphalt Surfaces	16.60	8.40	6.90	0.00	0.00	0.00	0	0	0
Single Family Housing	14.70	5.90	8.70	40.20	19.20	40.60	86	11	3

4.4 Fleet Mix

Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

Land Use	LDA	LDT1	LDT2	MDV	LHD1	LHD2	MHD	HHD	OBUS	UBUS	MCY	SBUS	MH
Other Asphalt Surfaces	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038
Single Family Housing	0.542116	0.037578	0.185203	0.118503	0.016241	0.005141	0.017392	0.068695	0.001383	0.001183	0.004582	0.000945	0.001038

5.0 Energy Detail

Historical Energy Use: N

5.1 Mitigation Measures Energy

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Electricity Mitigated						0.0000	0.0000		0.0000	0.0000	0.0000	450.6197	450.6197	0.0272	5.6300e-003	452.9794
Electricity Unmitigated						0.0000	0.0000		0.0000	0.0000	0.0000	450.6197	450.6197	0.0272	5.6300e-003	452.9794
NaturalGas Mitigated	0.0442	0.3781	0.1609	2.4100e-003		0.0306	0.0306		0.0306	0.0306	0.0000	437.8466	437.8466	8.3900e-003	8.0300e-003	440.4485
NaturalGas Unmitigated	0.0442	0.3781	0.1609	2.4100e-003		0.0306	0.0306		0.0306	0.0306	0.0000	437.8466	437.8466	8.3900e-003	8.0300e-003	440.4485

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

**5.2 Energy by Land Use - NaturalGas**

**Unmitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.20493e+006	0.0442	0.3781	0.1609	2.4100e-003		0.0306	0.0306		0.0306	0.0306	0.0000	437.8466	437.8466	8.3900e-003	8.0300e-003	440.4485
<b>Total</b>		<b>0.0442</b>	<b>0.3781</b>	<b>0.1609</b>	<b>2.4100e-003</b>		<b>0.0306</b>	<b>0.0306</b>		<b>0.0306</b>	<b>0.0306</b>	<b>0.0000</b>	<b>437.8466</b>	<b>437.8466</b>	<b>8.3900e-003</b>	<b>8.0300e-003</b>	<b>440.4485</b>

**Mitigated**

	NaturalGas Use	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Land Use	kBTU/yr	tons/yr										MT/yr					
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000		0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Single Family Housing	8.20493e+006	0.0442	0.3781	0.1609	2.4100e-003		0.0306	0.0306		0.0306	0.0306	0.0000	437.8466	437.8466	8.3900e-003	8.0300e-003	440.4485
<b>Total</b>		<b>0.0442</b>	<b>0.3781</b>	<b>0.1609</b>	<b>2.4100e-003</b>		<b>0.0306</b>	<b>0.0306</b>		<b>0.0306</b>	<b>0.0306</b>	<b>0.0000</b>	<b>437.8466</b>	<b>437.8466</b>	<b>8.3900e-003</b>	<b>8.0300e-003</b>	<b>440.4485</b>

Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

**5.3 Energy by Land Use - Electricity**

**Unmitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.07011e+006	450.6197	0.0272	5.6300e-003	452.9794
<b>Total</b>		<b>450.6197</b>	<b>0.0272</b>	<b>5.6300e-003</b>	<b>452.9794</b>

**Mitigated**

	Electricity Use	Total CO2	CH4	N2O	CO2e
Land Use	kWh/yr	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	2.07011e+006	450.6197	0.0272	5.6300e-003	452.9794
<b>Total</b>		<b>450.6197</b>	<b>0.0272</b>	<b>5.6300e-003</b>	<b>452.9794</b>

**6.0 Area Detail**

**6.1 Mitigation Measures Area**

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
Category	tons/yr										MT/yr					
Mitigated	2.1270	0.0722	2.3037	4.1000e-004		0.0163	0.0163		0.0163	0.0163	0.0000	56.7935	56.7935	4.6300e-003	9.7000e-004	57.1991
Unmitigated	2.1270	0.0722	2.3037	4.1000e-004		0.0163	0.0163		0.0163	0.0163	0.0000	56.7935	56.7935	4.6300e-003	9.7000e-004	57.1991

6.2 Area by SubCategory

Unmitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1675					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8849					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.3600e-003	0.0458	0.0195	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	53.0703	53.0703	1.0200e-003	9.7000e-004	53.3857
Landscaping	0.0692	0.0264	2.2842	1.2000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	3.7232	3.7232	3.6100e-003	0.0000	3.8134
<b>Total</b>	<b>2.1270</b>	<b>0.0722</b>	<b>2.3037</b>	<b>4.1000e-004</b>		<b>0.0163</b>	<b>0.0163</b>		<b>0.0163</b>	<b>0.0163</b>	<b>0.0000</b>	<b>56.7935</b>	<b>56.7935</b>	<b>4.6300e-003</b>	<b>9.7000e-004</b>	<b>57.1991</b>

Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN



Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

6.2 Area by SubCategory

Mitigated

	ROG	NOx	CO	SO2	Fugitive PM10	Exhaust PM10	PM10 Total	Fugitive PM2.5	Exhaust PM2.5	PM2.5 Total	Bio- CO2	NBio- CO2	Total CO2	CH4	N2O	CO2e
SubCategory	tons/yr										MT/yr					
Architectural Coating	0.1675					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Consumer Products	1.8849					0.0000	0.0000		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Hearth	5.3600e-003	0.0458	0.0195	2.9000e-004		3.7000e-003	3.7000e-003		3.7000e-003	3.7000e-003	0.0000	53.0703	53.0703	1.0200e-003	9.7000e-004	53.3857
Landscaping	0.0692	0.0264	2.2842	1.2000e-004		0.0126	0.0126		0.0126	0.0126	0.0000	3.7232	3.7232	3.6100e-003	0.0000	3.8134
<b>Total</b>	<b>2.1270</b>	<b>0.0722</b>	<b>2.3037</b>	<b>4.1000e-004</b>		<b>0.0163</b>	<b>0.0163</b>		<b>0.0163</b>	<b>0.0163</b>	<b>0.0000</b>	<b>56.7935</b>	<b>56.7935</b>	<b>4.6300e-003</b>	<b>9.7000e-004</b>	<b>57.1991</b>

7.0 Water Detail

7.1 Mitigation Measures Water

Attachment: Greenhouse Gas Analysis (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

	Total CO2	CH4	N2O	CO2e
Category	MT/yr			
Mitigated	67.3343	0.4730	0.0119	82.6942
Unmitigated	67.3343	0.4730	0.0119	82.6942

**7.2 Water by Land Use**

**Unmitigated**

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	14.399 / 9.07766	67.3343	0.4730	0.0119	82.6942
<b>Total</b>		<b>67.3343</b>	<b>0.4730</b>	<b>0.0119</b>	<b>82.6942</b>

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

**7.2 Water by Land Use**

Mitigated

	Indoor/Outdoor Use	Total CO2	CH4	N2O	CO2e
Land Use	Mgal	MT/yr			
Other Asphalt Surfaces	0 / 0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	14.399 / 9.07766	67.3343	0.4730	0.0119	82.6942
<b>Total</b>		<b>67.3343</b>	<b>0.4730</b>	<b>0.0119</b>	<b>82.6942</b>

**8.0 Waste Detail**

**8.1 Mitigation Measures Waste**

Category/Year

	Total CO2	CH4	N2O	CO2e
	MT/yr			
Mitigated	52.5990	3.1085	0.0000	130.3118
Unmitigated	52.5990	3.1085	0.0000	130.3118

Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

**8.2 Waste by Land Use**

**Unmitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	259.12	52.5990	3.1085	0.0000	130.3118
<b>Total</b>		<b>52.5990</b>	<b>3.1085</b>	<b>0.0000</b>	<b>130.3118</b>

**Mitigated**

	Waste Disposed	Total CO2	CH4	N2O	CO2e
Land Use	tons	MT/yr			
Other Asphalt Surfaces	0	0.0000	0.0000	0.0000	0.0000
Single Family Housing	259.12	52.5990	3.1085	0.0000	130.3118
<b>Total</b>		<b>52.5990</b>	<b>3.1085</b>	<b>0.0000</b>	<b>130.3118</b>

**9.0 Operational Offroad**

Equipment Type	Number	Hours/Day	Days/Year	Horse Power	Load Factor	Fuel Type
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Legacy Park (Tentative Tract Map No. 36760) - Riverside-South Coast County, Annual

### 10.0 Stationary Equipment

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#### Fire Pumps and Emergency Generators

Equipment Type	Number	Hours/Day	Hours/Year	Horse Power	Load Factor	Fuel Type
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#### Boilers

Equipment Type	Number	Heat Input/Day	Heat Input/Year	Boiler Rating	Fuel Type
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#### User Defined Equipment

Equipment Type	Number
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### 11.0 Vegetation

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**PRELIMINARY HYDROLOGIC AND HYDRAULIC ANALYSIS  
FOR  
LEGACY PARK  
TR. 36760  
  
IN THE CITY OF MORENO VALLEY, CALIFORNIA**

June 19, 2015  
Revised: July 22, 2016  
Revised: September 21, 2016

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Attachment: Preliminary Hydrology Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF



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LIST OF ATTACHMENTS

Attachment 1. Hydrology Backup

Attachment 2. Rational Method Analysis

- A. West Basin 100
  - 1. 10 Year Rational Method – Pre-Project Condition Analysis
  - 2. 100 Year Rational Method – Pre-Project Condition Analysis
- B. East Basin 200
  - 3. 10 Year Rational Method – Pre-Project Condition Analysis
  - 4. 100 Year Rational Method – Pre-Project Condition Analysis
- A. Pre-Project Condition Hydrology Routing Map

Attachment 2.

- C. West Basin 100
  - 5. 10 Year Rational Method – Post-Project Condition Analysis
  - 6. 100 Year Rational Method – Post-Project Condition Analysis
- D. East Basin 200
  - 7. 10 Year Rational Method – Post-Project Condition Analysis
  - 8. 100 Year Rational Method – Post-Project Condition Analysis
- E. Post-Project Condition Hydrology Routing Map

Attachment 4. Synthetic Unit Hydrograph – Basin Analysis and Hydrology Map

- A. Backup Data and Calculations
- B. Pre Project Condition [West]
- C. Pre Project Condition [East]
- D. Post Project Condition [West]
- E. Post Project Condition [East]
- F. Preliminary Detention Basin Sizing

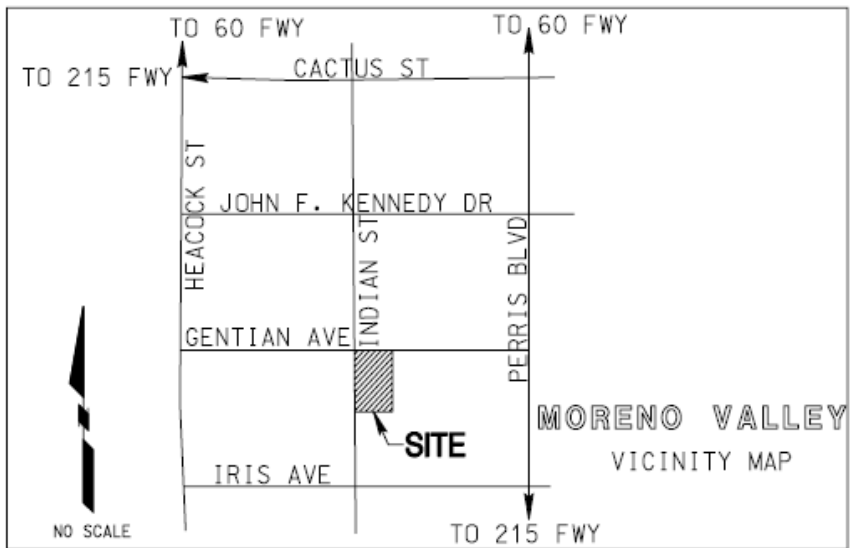
Attachment: Preliminary Hydrology Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF

**Introduction**

This study presents the hydrologic and hydraulic analysis of the Legacy Park Tract 36760. The project site is located at the southeast corner of Indian Street and Gentian Avenue in the City of Moreno Valley, California. The site is approximately 48.5 acres and is located in the Perris Valley Hydrologic Subarea of the Santa Ana Watershed. The site drains to two separate basins in both the southwestern and southeastern corners. Tract 36370 proposes 221 single-family residential lots. The two onsite basins will be designed as bioretention basins, and will serve to treat the water for water quality. The basins are also attenuating flows, but this volume fits entirely within the water quality volume, therefore they are acting as water quality and not detention basins. The water exiting the west basin will tie into an existing storm drain system, and the water from the east basin will outlet into a proposed storm drain system to the east.

The site is surrounded by existing residential development to the West and proposed residential development to the North. To the East of the site there is an easement for the California DWR Aqueduct, with commercial development bordering it. To the South of the site is March Middle School which is designated as public use.

The vicinity map below shows the location of the project site.



## 2.0 Methodology

The hydrologic and hydraulic criteria used for the design of the storm drain systems are outlined in the Riverside County Flood Control Hydrology Manual. The 10-year storm shall be contained within the roadway from curb to curb. The 100-year storm shall be contained within the roadway right of way limits. To meet these requirements the 100-year storm event is contained within the roadway from curb to curb. All habitable dwellings shall be free of inundation during the 100-year storm.

### HYDROLOGIC ANALYSIS

The Rational Method program from Advanced Engineering Software (AES) was used to perform the hydrologic analysis. The analysis represents the watershed as a link-node model. The existing and proposed conditions drainage basin maps with drainage basin boundaries and nodes are provided in Attachment 2 & 3, entitled Rational Method Hydrology Maps. The analysis can perform up to 15 hydrologic processes. These processes are assigned code numbers, which appear in the printed results. The code numbers and their meanings are as follows:

Hydrologic Process <u>Code</u>	<u>Subarea Hydrologic Processes</u>
1.	CONFLUENCE analysis at node
2.	INITIAL subarea analysis
3.	PIPEFLOW travel time (COMPUTER-Estimated pipe size)
4.	PIPEFLOW travel time (USER-Specified pipe size)
5.	TRAPEZOIDAL channel travel time
6.	STREET-FLOW analysis
7.	USER-SPECIFIED information at node
8.	ADDITION of subarea runoff to mainline
9.	V-GUTTER flow through subarea
10.	COPY Mainstream data onto a memory bank
11.	CONFLUENCE a memory BANK with the Main-Stream memory
12.	CLEAR a memory BANK
13.	CLEAR the Mainstream memory
14.	COPY a memory Bank onto the Main-Stream Memory
15.	HYDROLOGIC data BANK storage functions

## ROUTING

The hydrology portion of this report, as shown on the attached hydrology map, is for hydrologic “Routing” purposes only. Peak flow-rates are routed through the system. At each confluence, flow-rates are adjusted to take into account their different times of concentration. The storm drains may require minor size and elevation changes upon completing the hydraulic portion of the calculations. Refer to the tentative tract map for proposed invert elevations and pipe sizes.

### **3.0 Rational Method Hydrology**

#### **3.1 Pre-Project Condition**

The pre-project rational method was analyzed for the entire project site. The flows from the pre-project site split to the west and the east. Approximately 23.6 acres drain west while 25.4 acres drain east.

In the existing western portion of Tract 36760, water sheet flows to the southwest corner of the site. The water then flows south along the existing curb and gutter, and enters an existing catch basin on the eastern portion of Indian Street. The catch basin drains to the existing Riverside County Flood Control and Water Conservation District Master Drainage Line D-1. Line D-1 is a 36” RCP located South of Santiago Drive on the western portion of Indian Street. Along the eastern portion of the existing site water will sheet flow to the southeast and drain east along Santiago Drive before discharging into the Perris Valley Channel downstream of the site.

The results from the west side of the site show that a  $Q_{100}$  of 23.3 cfs currently enters into Line D-1. The results from the east side of the site show a  $Q_{100}$  of 27.2 cfs. Both the east and west flows eventually converge in the Perris Valley Channel which is an MS4 storm drain facility. Please see Attachment 2 for calculations and backup plans.

### 3.2 Post-Project Condition

In the post-project condition the majority of the flows from the eastern and western portion of the site flow to the basin at the southwest corner adjacent to Indian Avenue and Santiago Drive. The flows from the remaining eastern portion will drain to the basin in the southeastern corner of the site. Since both of these flows will ultimately outlet into the Perris Valley channel, this remains consistent with the pre-project condition.

The western basin will pick up flows from the western and northeastern portions of the site, including the proposed park along the southern boundary. The western portion drains in a general southwestern pattern. Water from the northeast lots will drain through Street M before being picked up in a set of storm drain catch basins. Water from Street L will also be picked up in catch basins near the intersection of street L and Street D. The storm drain will drain southwest through Street D, where other flows from Streets B, D, K and portions of I and N will be picked up in catch basins just before entering into the Basin at the end of Street D cul-de-sac. At this point, flows from the southern areas (Street G, a portion of Street N, and the park) will confluence with the storm drain flows at Node 134.0 to outlet into the basin. Water from Streets A, C, H, and J flows south/west, draining to the end of the Street C cul-de-sac. The 100 year peak flow into the western basin is 74.3 cfs. Once in the basin, flows will outlet west to the connection into Line D-1 on Indian Street. The existing storm drain is capable of receiving 21.9 cfs. This project site will add the full 21.9 cfs into the storm drain. Any remaining flows will be detained by the basin. Please see the Tract 36760 Pre and Post Rational Method Hydrology maps and calculations located in Attachment 3.

The eastern basin will pick up flows from the southeastern portions of the site. The water will drain southeast through the site to the basin located at the southeast corner. The high points on Streets L and G delineate the drainage boundary for the eastern portions. Water from Street L will drain south and then east to join Street G surface flows before being picked up in a set of catch basins. Water from Street E will split to drain to both street L and Street M. Street M drains south, joining with Street F, and eventually to the catch

basin located on Street G. A portion of Street L (south of Street G) drains north to join flows from the southern half of Street G as well as Street P, which enter a catch basin on Street G. These flows are conveyed through storm drain to enter the eastern basin at Node 210.0. The most southerly portion of Street L drains south towards Santiago Drive. Flows from this portion of Street L and Santiago Drive (east) are picked up by catch basins and outlet into the basin at Nodes 218.0 and 221.0. The east end of Street G drains to the east and flows are picked up by a catch basin at the Street G cul-de-sac, which are also conveyed through storm drain to outlet to the basin at Node 215.0. From the confluence off all the flows draining to the southeast basin, the 100 year peak flow is 24.6 cfs. Flows from the basin will outlet into the proposed Line M-2 storm drain, which will then drain to the Perris Valley Channel. The proposed storm drain Line M-2 will receive 10.0 cfs from the project site, while the remaining flows will be detained by the basin. Please see the Tract 36760 Pre and Post Rational Method Hydrology maps and calculations located in Attachment 3.

#### **4.0 Synthetic Unit Hydrograph**

Due to the outlet of flows into the existing and proposed storm drain facilities, the 1-hour, 3-hour, 6-hour, and 24-hour storm events were analyzed for the 2-year, 10-year, and 100-year storms in order to obtain the required detention volume for the basins. For the analysis of the mitigation for the required storm events, the synthetic unit hydrograph (SUH) was used in accordance with the RCFC&WCD hydrology manual. All SUH results for the pre-project condition can be found in Attachment 4 and the post-project conditions can be found in Attachment 5.

All flows drain according to the previously explained flow patterns. The pre-project and post-project conditions were analyzed for all storm events for comparison between the separate areas.

For the western basin only the 10-year 1-hour and the 100-year 1-hour storm events produced flows in excess of the 21.9 cfs outlet. Therefore these two storm events were



the only events to be analyzed for detention sizing. The 100-year 1-hour storm event generated the largest storage volume needed to detain the post-project condition down to the allowable outlet of 21.9 cfs. The required detention volume was 0.75 ac-ft. The western basin was sized to allow for 2 feet of freeboard within the basin.

For the eastern basin only the 100-year 1-hour storm event produced flows in excess of the 10.0 cfs outlet. Therefore this storm event was the only event to be analyzed for detention sizing. The required detention volume was 0.11 ac-ft. The eastern basin was sized to allow for 2 feet of freeboard within the basin.

For water quality requirements, it was found that 1.19 ac-ft of storage volume is required for the western basin and 0.42 ac-ft of storage volume is required for the eastern basin. According to the Riverside County Flood Control and Water Conservation District LID Manual, the bioretention facility will consist of a layer of soil media (24" for the east basin, 36" for the west basin) at a porosity of 30% and a 12" layer of gravel with a porosity of 40%. Since the water quality storage volume exceeds the required detention volume, the basins will be designed solely as water quality features and not detention basins. Therefore the necessary basin capacities, governed by the water quality volume are 1.2 ac-ft for the western basin and 0.4 ac-ft for the eastern basin.

In the final hydrology analysis, the basin will not be designed to retain the total storage without an adequate outlet to maintain the required 48-hour drawdown time. All outlet sizing, including emergency overflows for the 100-year 1-hour storm event bypass, will be done in the final analysis for the project site.

## 5.0 Hydraulics

As indicated above, hydrologic process No. 6 analyzes street flow (using Manning's Equation), and calculates the depth of flow in the gutter. The storm drain systems will be designed to intercept the 100-year street flows into catch basins before the depth in the street reaches the top of curb or splits over the street crown. Therefore, the 10-year storm water surface will never exceed the top of curb. Per the City of Moreno Valley Plan

Check Manual page 45, the design HGL should be 6” below the local depression lip of inlets.

## 6.0 Conclusion

The supporting hydrologic and hydraulic calculations are provided in the following sections to substantiate the design of the proposed storm drain facilities. The hydrology rational method calculations for pre and post project conditions onsite hydrology routing are shown in attachments 2 and 3 respectively. The Synthetic Unit Hydrograph calculations are located in attachment 4 of this report.

# Attachment 1

## Attachment 2

Attachment: Preliminary Hydrology Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF

### Attachment 3

Attachment: Preliminary Hydrology Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF

# Attachment 4

Attachment: Preliminary Hydrology Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF

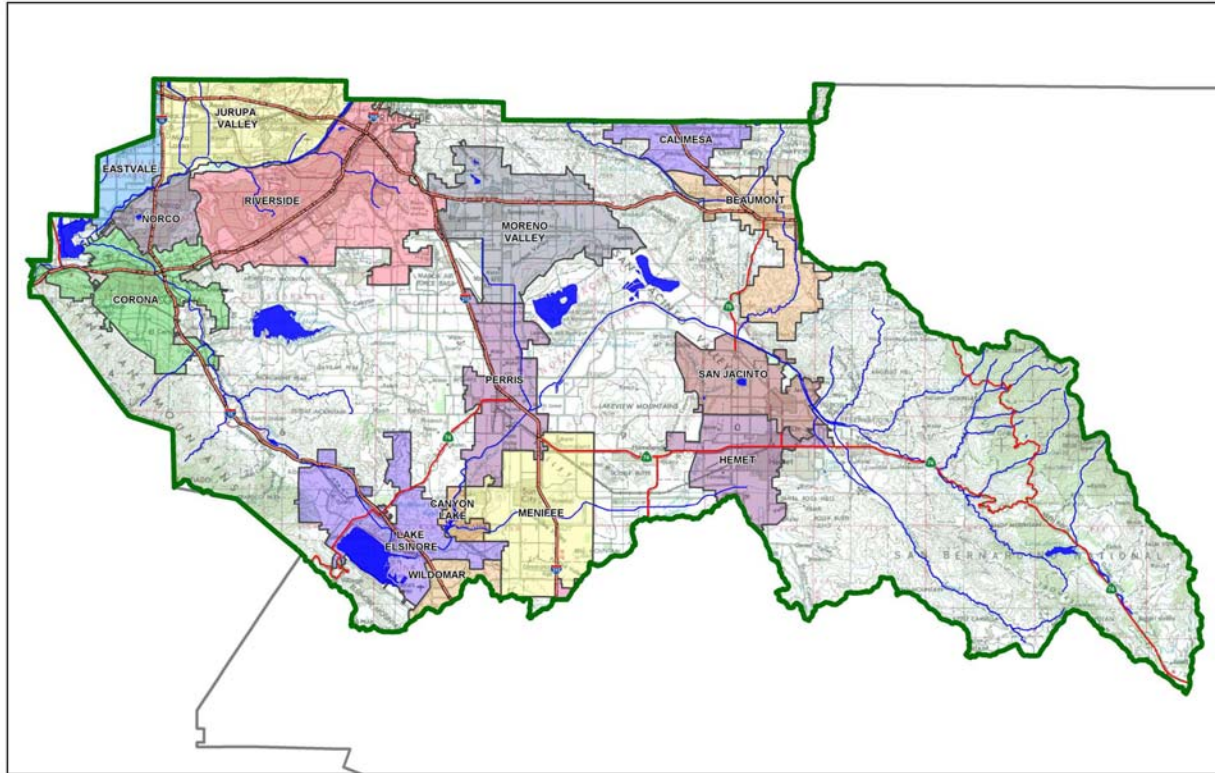


# Project Specific Water Quality Management Plan

**Project Title:** Legacy Park

**Development No:** Tract 36760

**Design Review/Case No:** PA 14-0053



- Preliminary
- Final

**Original Date Prepared:** June 18, 2015

**Revision Date(s):** July 20, 2016; October 19, 2016;  
January 12, 2017

*Prepared for Compliance with*  
**Regional Board Order No. R8-2010-0033**

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**Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A**

### OWNER'S CERTIFICATION

This Project-Specific Water Quality Management Plan (WQMP) has been prepared for MPLC Legacy 75 Partners, LLP by Rick Engineering Company for the Legacy Park project.

This WQMP is intended to comply with the requirements of City of Moreno Valley for Ordinance 827 which includes the requirement for the preparation and implementation of a Project-Specific WQMP.

The undersigned, while owning the property/project described in the preceding paragraph, shall be responsible for the implementation and funding of this WQMP and will ensure that this WQMP is amended as appropriate to reflect up-to-date conditions on the site. In addition, the property owner accepts responsibility for interim operation and maintenance of Stormwater BMPs until such time as this responsibility is formally transferred to a subsequent owner. This WQMP will be reviewed with the facility operator, facility supervisors, employees, tenants, maintenance and service contractors, or any other party (or parties) having responsibility for implementing portions of this WQMP. At least one copy of this WQMP will be maintained at the project site or project office in perpetuity. The undersigned is authorized to certify and to approve implementation of this WQMP. The undersigned is aware that implementation of this WQMP is enforceable under Moreno Valley Water Quality Ordinance (Municipal Code Section 8.10).

"I, the undersigned, certify under penalty of law that the provisions of this WQMP have been reviewed and accepted and that the WQMP will be transferred to future successors in interest."



Owner's Signature

R. Luce

Owner's Printed Name

1-4-17

Date

Authorized Signer

Owner's Title/Position

### PREPARER'S CERTIFICATION

"The selection, sizing and design of stormwater treatment and other stormwater quality and quantity control measures in this plan meet the requirements of Regional Water Quality Control Board Order No. R8-2010-0033 and any subsequent amendments thereto."

\_\_\_\_\_  
Preparer's Signature

Richard O'Neill

Preparer's Printed Name

\_\_\_\_\_  
Date

Associate

Preparer's Title/Position

Preparer's Licensure:

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

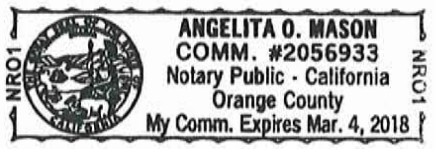
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California )
County of Orange )
On January 4, 2017 before me, Angelita O. Mason, Notary Public
Date Here Insert Name and Title of the Officer
personally appeared Randall C. Luce
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature Angelita O. Mason
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: Owner's Certification Document Date: January 4, 2017
Number of Pages: One Signer(s) Other Than Named Above:

Capacity(ies) Claimed by Signer(s)

Signer's Name:
Corporate Officer - Title(s):
Partner - Limited General
Individual Attorney in Fact
Trustee Guardian or Conservator
Other:
Signer Is Representing:

Signer's Name:
Corporate Officer - Title(s):
Partner - Limited General
Individual Attorney in Fact
Trustee Guardian or Conservator
Other:
Signer Is Representing:



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## Section A: Project and Site Information

PROJECT INFORMATION	
Type of Project:	Residential
Planning Area:	None
Community Name:	
Development Name:	Legacy Park
PROJECT LOCATION	
Latitude & Longitude (DMS): 33°53'37"N, 117°13'54"W	
Project Watershed and Sub-Watershed: Santa Ana River Watershed San Jacinto HU, Perris HA, Perris Valley HSA	
APN(s): 485-220-023, 485-220-032, 485-220-040	
Map Book and Page No.: MB 8/23	
PROJECT CHARACTERISTICS	
Proposed or Potential Land Use(s)	Residential: Max 5 du/ac
Proposed or Potential SIC Code(s)	None
Area of Impervious Project Footprint (SF)	1,397,321
Total Area of <u>proposed</u> Impervious Surfaces within the Project Limits (SF)/or Replacement	1,397,321
Does the project consist of offsite road improvements?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Does the project propose to construct unpaved roads?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
Is the project part of a larger common plan of development (phased project)?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
EXISTING SITE CHARACTERISTICS	
Total area of <u>existing</u> Impervious Surfaces within the project limits (SF)	None
Is the project located within any MSHCP Criteria Cell?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
If so, identify the Cell number:	N/A
Are there any natural hydrologic features on the project site?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
Is a Geotechnical Report attached?	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
If no Geotech. Report, list the NRCS soils type(s) present on the site (A, B, C and/or D)	N/A
What is the Water Quality Design Storm Depth for the project?	0.65

### A.1 Maps and Site Plans

When completing your Project-Specific WQMP, include a map of the local vicinity and existing site. In addition, include all grading, drainage, landscape/plant palette and other pertinent construction plans in Appendix 2. At a **minimum**, your WQMP Site Plan should include the following:

- Drainage Management Areas
- Proposed Structural BMPs
- Drainage Path
- Drainage Infrastructure, Inlets, Overflows
- Source Control BMPs
- Buildings, Roof Lines, Downspouts
- Impervious Surfaces
- Standard Labeling

Use your discretion on whether or not you may need to create multiple sheets or can appropriately accommodate these features on one or two sheets. Keep in mind that the Co-Permittee plan reviewer must be able to easily analyze your project utilizing this template and its associated site plans and maps.



## A.2 Identify Receiving Waters

Using Table A.1 below, list in order of upstream to downstream, the receiving waters that the project site is tributary to. Continue to fill each row with the Receiving Water’s 303(d) listed impairments (if any), designated beneficial uses, and proximity, if any, to a RARE beneficial use. Include a map of the receiving waters in Appendix 1.

Table A.1 Identification of Receiving Waters

Receiving Waters	EPA Approved 303(d) List Impairments	Designated Beneficial Uses	Proximity to RARE Beneficial Use
Perris North	N/A	MUN, AGR, IND, PROC	N/A
San Jacinto River Reach 4	N/A	AGR*, WILD*, GWR*, MUN*, REC1*, REC2*, WARM*	N/A
San Jacinto River Reach 3	N/A	AGR*, GWR*, MUN**, REC1*, REC2*, WARM*, WILD*	N/A
San Jacinto River Reach 2 & Canyon Lake	Nutrients, pathogens	AGR, GWR, WILD, MUN, REC1, REC2, WARM	N/A
San Jacinto River Reach 1	N/A	AGR*, GWR*, MUN*, REC1*, REC2*, WARM*, WILD*	N/A
Lake Elsinore	Nutrients, organic enrichment/low DO, PCBs, sediment toxicity, unknown toxicity.	MUN**, REC1, REC2, WARM, WILD	N/A

\*Intermittent Beneficial Use

\*\*Exempted from MUN

## A.3 Additional Permits/Approvals required for the Project:

Table A.2 Other Applicable Permits

Agency	Permit Required	
State Department of Fish and Game, 1602 Streambed Alteration Agreement	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
State Water Resources Control Board, Clean Water Act (CWA) Section 401 Water Quality Cert.	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
US Army Corps of Engineers, CWA Section 404 Permit	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
US Fish and Wildlife, Endangered Species Act Section 7 Biological Opinion	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Statewide Construction General Permit Coverage	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Statewide Industrial General Permit Coverage	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Western Riverside MSHCP Consistency Approval (e.g., JPR, DBESP)	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N
Other (please list in the space below as required)	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N
Grading, Building and Encroachment Permits will be required.		

If yes is answered to any of the questions above, the Co-Permittee may require proof of approval/coverage from those agencies as applicable including documentation of any associated requirements that may affect this Project-Specific WQMP.

## Section B: Optimize Site Utilization (LID Principles)

Review of the information collected in Section 'A' will aid in identifying the principal constraints on site design and selection of LID BMPs as well as opportunities to reduce imperviousness and incorporate LID Principles into the site and landscape design. For example, **constraints** might include impermeable soils, high groundwater, groundwater pollution or contaminated soils, steep slopes, geotechnical instability, high-intensity land use, heavy pedestrian or vehicular traffic, utility locations or safety concerns. **Opportunities** might include existing natural areas, low areas, oddly configured or otherwise unbuildable parcels, easements and landscape amenities including open space and buffers (which can double as locations for bioretention BMPs), and differences in elevation (which can provide hydraulic head). Prepare a brief narrative for each of the site optimization strategies described below. This narrative will help you as you proceed with your LID design and explain your design decisions to others.

The 2010 Santa Ana MS4 Permit further requires that LID Retention BMPs (Infiltration Only or Harvest and Use) be used unless it can be shown that those BMPs are infeasible. Therefore, it is important that your narrative identify and justify if there are any constraints that would prevent the use of those categories of LID BMPs. Similarly, you should also note opportunities that exist which will be utilized during project design. Upon completion of identifying Constraints and Opportunities, include these on your WQMP Site plan in Appendix 1.

### Site Optimization

The following questions are based upon Section 3.2 of the WQMP Guidance Document. Review of the WQMP Guidance Document will help you determine how best to optimize your site and subsequently identify opportunities and/or constraints, and document compliance.

Did you identify and preserve existing drainage patterns? If so, how? If not, why?

*Yes, the existing site drainage pattern splits flows, with the majority of the site draining to the southwest corner before entering the street and flowing to an existing storm drain. A portion on the east side of the site drains to the southeast corner. The proposed development will drain through the streets into proposed storm drains, then into our proposed water quality and bioretention basins at the southwest and southeast corners of the site. The proposed drainage split is similar to that of the existing condition. The water in the basins will drain through proposed storm drain and tie into the existing storm drain southwest and southeast of the project site.*

Did you identify and protect existing vegetation? If so, how? If not, why?

*Any existing vegetation will be removed when the mass grading occurs.*

Did you identify and preserve natural infiltration capacity? If so, how? If not, why?

*The natural infiltration capacity is 0.45 in/hr (see Appendix 3), therefore infiltration is not feasible onsite.*

Did you identify and minimize impervious area? If so, how? If not, why?

*Yes, the sidewalk and street design will adhere to city standards for appropriate widths required.*

Did you identify and disperse runoff to adjacent pervious areas? If so, how? If not, why?

*Yes, runoff from this site will disperse to landscaped areas when possible. The project will disperse the remainder of the runoff to the bioretention basin.*

## Section C: Delineate Drainage Management Areas (DMAs)

Utilizing the procedure in Section 3.3 of the WQMP Guidance Document which discusses the methods of delineating and mapping your project site into individual DMAs, complete Table C.1 below to appropriately categorize the types of classification (e.g., Type A, Type B, etc.) per DMA for your project site. Upon completion of this table, this information will then be used to populate and tabulate the corresponding tables for their respective DMA classifications.

**Table C.1 DMA Classifications**

DMA Name or ID	Surface Type(s) <sup>1</sup>	Area (Sq. Ft.)	DMA Type
D-100 Impervious	Concrete or Asphalt	320,442	Type D – Area that drains to BMP
D-100 Roofs	Roofs	727,285	Type D – Area that drains to BMP
D-100 Landscape	Ornamental Landscaping	571,926	Type D – Area that drains to BMP
D-200 Impervious	Concrete or Asphalt	118,702	Type D – Area that drains to BMP
D-200 Roofs	Roofs	230,892	Type D – Area that drains to BMP
D-200 Landscape	Ornamental Landscaping	193,462	Type D – Area that drains to BMP

<sup>1</sup>Reference Table 2-1 in the WQMP Guidance Document to populate this column

**Table C.2 Type 'A', Self-Treating Areas**

DMA Name or ID	Area (Sq. Ft.)	Stabilization Type	Irrigation Type (if any)
n/a			

**Table C.3 Type 'B', Self-Retaining Areas**

Self-Retaining Area				Type 'C' DMAs that are draining to the Self-Retaining Area		
DMA Name/ ID	Post-project surface type	Area (square feet) [A]	Storm Depth (inches) [B]	DMA Name / ID	[C] from Table C.4 [C]	Required Retention Depth (inches) [D]
n/a						

$$[D] = [B] + \frac{[B] \cdot [C]}{[A]}$$

**Table C.4** Type 'C', Areas that Drain to Self-Retaining Areas

DMA					Receiving Self-Retaining DMA		
DMA Name/ ID	Area (square feet)	Post-project surface type	Runoff factor	Product	DMA name /ID	Area (square feet)	Ratio
	[A]		[B]	[C] = [A] x [B]		[D]	[C]/[D]
n/a							

**Table C.5** Type 'D', Areas Draining to BMPs

DMA Name or ID	BMP Name or ID
D-100 Impervious	D-100 Bioretention Basin
D-100 Roofs	D-100 Bioretention Basin
D-100 Landscape	D-100 Bioretention Basin
D-200 Impervious	D-200 Bioretention Basin
D-200 Roofs	D-200 Bioretention Basin
D-200 Landscape	D-200 Bioretention Basin

*Note: More than one drainage management area can drain to a single LID BMP, however, one drainage management area may not drain to more than one BMP.*

## Section D: Implement LID BMPs

### D.1 Infiltration Applicability

Is there an approved downstream ‘Highest and Best Use’ for stormwater runoff (see discussion in Chapter 2.4.4 of the WQMP Guidance Document for further details)?  Y  N

If yes has been checked, Infiltration BMPs shall not be used for the site. If no, continue working through this section to implement your LID BMPs. It is recommended that you contact your Co-Permittee to verify whether or not your project discharges to an approved downstream ‘Highest and Best Use’ feature.

#### Geotechnical Report

A Geotechnical Report or Phase I Environmental Site Assessment may be required by the Copermitttee to confirm present and past site characteristics that may affect the use of Infiltration BMPs. In addition, the Co-Permittee, at their discretion, may not require a geotechnical report for small projects as described in Chapter 2 of the WQMP Guidance Document. If a geotechnical report has been prepared, include it in Appendix 3. In addition, if a Phase I Environmental Site Assessment has been prepared, include it in Appendix 4.

Is this project classified as a small project consistent with the requirements of Chapter 2 of the WQMP Guidance Document?  Y  N

#### Infiltration Feasibility

Table D.1 below is meant to provide a simple means of assessing which DMAs on your site support Infiltration BMPs and is discussed in the WQMP Guidance Document in Chapter 2.4.5. Check the appropriate box for each question and then list affected DMAs as applicable. If additional space is needed, add a row below the corresponding answer.

Table D.1 Infiltration Feasibility

Does the project site...	YES	NO
...have any DMAs with a seasonal high groundwater mark shallower than 10 feet? If Yes, list affected DMAs:		X
...have any DMAs located within 100 feet of a water supply well? If Yes, list affected DMAs:		X
...have any areas identified by the geotechnical report as posing a public safety risk where infiltration of stormwater could have a negative impact? If Yes, list affected DMAs:		X
...have measured in-situ infiltration rates of less than 1.6 inches / hour? If Yes, list affected DMAs: D-100 and D-200 (Infiltration rate = 0.45 inches/hour)	X	
...have significant cut and/or fill conditions that would preclude in-situ testing of infiltration rates at the final infiltration surface? If Yes, list affected DMAs:		X
...geotechnical report identify other site-specific factors that would preclude effective and safe infiltration? Describe here:		X

If you answered “Yes” to any of the questions above for any DMA, Infiltration BMPs should not be used for those DMAs and you should proceed to the assessment for Harvest and Use below.

## D.2 Harvest and Use Assessment

Please check what applies:

- Reclaimed water will be used for the non-potable water demands for the project.
- Downstream water rights may be impacted by Harvest and Use as approved by the Regional Board (verify with the Copermitttee).
- The Design Capture Volume will be addressed using Infiltration Only BMPs. In such a case, Harvest and Use BMPs are still encouraged, but it would not be required if the Design Capture Volume will be infiltrated or evapotranspired.

If any of the above boxes have been checked, Harvest and Use BMPs need not be assessed for the site. If neither of the above criteria applies, follow the steps below to assess the feasibility of irrigation use, toilet use and other non-potable uses (e.g., industrial use).

### Irrigation Use Feasibility

Complete the following steps to determine the feasibility of harvesting stormwater runoff for Irrigation Use BMPs on your site:

Step 1: Identify the total area of irrigated landscape on the site, and the type of landscaping used.

*Total Area of Irrigated Landscape: 0.41 acres\**

\*This area does not include: homeowner maintained landscaping/slopes within the private lots or parkway. The homeowner will be required to maintain landscaping/slope off of each individual meter. The basins, which will be maintained by the City of Moreno Valley, are also not included.

*Type of Landscaping (Conservation Design or Active Turf): Conservation design*

Step 2: Identify the planned total of all impervious areas on the proposed project from which runoff might be feasibly captured and stored for irrigation use. Depending on the configuration of buildings and other impervious areas on the site, you may consider the site as a whole, or parts of the site, to evaluate reasonable scenarios for capturing and storing runoff and directing the stored runoff to the potential use(s) identified in Step 1 above.

*Total Area of Impervious Surfaces: 32.1 acres*

Step 3: Cross reference the Design Storm depth for the project site (see Exhibit A of the WQMP Guidance Document) with the left column of Table 2-3 in Chapter 2 to determine the minimum area of Effective Irrigated Area per Tributary Impervious Area (EIATIA).

*Enter your EIATIA factor: 1.05*

Step 4: Multiply the unit value obtained from Step 3 by the total of impervious areas from Step 2 to develop the minimum irrigated area that would be required.

*Minimum required irrigated area: 33.7 acres*

Step 5: Determine if harvesting stormwater runoff for irrigation use is feasible for the project by comparing the total area of irrigated landscape (Step 1) to the minimum required irrigated area (Step 4).



Minimum required irrigated area (Step 4)	Available Irrigated Landscape (Step 1)
33.7 acres	0.41 acres

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

### Toilet Use Feasibility

Complete the following steps to determine the feasibility of harvesting stormwater runoff for toilet flushing uses on your site:

Step 1: Identify the projected total number of daily toilet users during the wet season, and account for any periodic shut downs or other lapses in occupancy:

*Projected Number of Daily Toilet Users: 660*

*Project Type: Residential*

Step 2: Identify the planned total of all impervious areas on the proposed project from which runoff might be feasibly captured and stored for toilet use. Depending on the configuration of buildings and other impervious areas on the site, you may consider the site as a whole, or parts of the site, to evaluate reasonable scenarios for capturing and storing runoff and directing the stored runoff to the potential use(s) identified in Step 1 above.

*Total Area of Impervious Surfaces: 32.1 acres*

Step 3: Enter the Design Storm depth for the project site (see Exhibit A) into the left column of Table 2-1 in Chapter 2 to determine the minimum number of toilet users per tributary impervious acre (TUTIA).

*Enter your TUTIA factor: 108*

Step 4: Multiply the unit value obtained from Step 3 by the total of impervious areas from Step 2 to develop the minimum number of toilet users that would be required.

*Minimum number of toilet users: 3,467*

Step 5: Determine if harvesting stormwater runoff for toilet flushing use is feasible for the project by comparing the Number of Daily Toilet Users (Step 1) to the minimum required number of toilet users (Step 4).

<b>Minimum required Toilet Users (Step 4)</b>	<b>Projected number of toilet users (Step 1)</b>
3,467	660

### Other Non-Potable Use Feasibility

Are there other non-potable uses for stormwater runoff on the site (e.g. industrial use)? See Chapter 2 of the Guidance for further information. If yes, describe below. If no, write N/A.

n/a

Step 1: Identify the projected average daily non-potable demand, in gallons per day, during the wet season and accounting for any periodic shut downs or other lapses in occupancy or operation.

*Average Daily Demand: Projected Average Daily Use (gpd)*

Step 2: Identify the planned total of all impervious areas on the proposed project from which runoff might be feasibly captured and stored for the identified non-potable use. Depending on the configuration of buildings and other impervious areas on the site, you may consider the site as a whole, or parts of the site, to evaluate reasonable scenarios for capturing and storing runoff and directing the stored runoff to the potential use(s) identified in Step 1 above.

*Total Area of Impervious Surfaces: Insert Area (Acres)*

Step 3: Enter the Design Storm depth for the project site (see Exhibit A) into the left column of Table 2-3 in Chapter 2 to determine the minimum demand for non-potable uses per tributary impervious acre.

*Enter the factor from Table 2-3: Enter Value*

Step 4: Multiply the unit value obtained from Step 4 by the total of impervious areas from Step 3 to develop the minimum number of gallons per day of non-potable use that would be required.

*Minimum required use: Minimum use required (gpd)*

Step 5: Determine if harvesting stormwater runoff for other non-potable use is feasible for the project by comparing the Number of Daily Toilet Users (Step 1) to the minimum required number of toilet users (Step 4).

<b>Minimum required non-potable use (Step 4)</b>	<b>Projected average daily use (Step 1)</b>
Minimum use required (gpd)	Projected Average Daily Use (gpd)

If Irrigation, Toilet and Other Use feasibility anticipated demands are less than the applicable minimum values, Harvest and Use BMPs are not required and you should proceed to utilize LID Bioretention and Biotreatment, unless a site-specific analysis has been completed that demonstrates technical infeasibility as noted in D.3 below.

### D.3 Bioretention and Biotreatment Assessment

Other LID Bioretention and Biotreatment BMPs as described in Chapter 2.4.7 of the WQMP Guidance Document are feasible on nearly all development sites with sufficient advance planning.

*Select one of the following:*

- LID Bioretention/Biotreatment BMPs will be used for some or all DMAs of the project as noted below in Section D.4 (note the requirements of Section 3.4.2 in the WQMP Guidance Document).
- A site-specific analysis demonstrating the technical infeasibility of all LID BMPs has been performed and is included in Appendix 5. If you plan to submit an analysis demonstrating the technical infeasibility of LID BMPs, request a pre-submittal meeting with the Copermittee to discuss this option. Proceed to Section E to document your alternative compliance measures.

## D.4 Feasibility Assessment Summaries

From the Infiltration, Harvest and Use, Bioretention and Biotreatment Sections above, complete Table D.2 below to summarize which LID BMPs are technically feasible, and which are not, based upon the established hierarchy.

Table D.2 LID Prioritization Summary Matrix

DMA Name/ID	LID BMP Hierarchy				No LID (Alternative Compliance)
	1. Infiltration	2. Harvest and use	3. Bioretention	4. Biotreatment	
D-100 Impervious	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D-100 Roofs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D-100 Landscape	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D-200 Impervious	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D-200 Roofs	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
D-200 Landscape	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

For those DMAs where LID BMPs are not feasible, provide a brief narrative below summarizing why they are not feasible, include your technical infeasibility criteria in Appendix 5, and proceed to Section E below to document Alternative Compliance measures for those DMAs. Recall that each proposed DMA must pass through the LID BMP hierarchy before alternative compliance measures may be considered.

## D.5 LID BMP Sizing

Each LID BMP must be designed to ensure that the Design Capture Volume will be addressed by the selected BMPs. First, calculate the Design Capture Volume for each LID BMP using the  $V_{BMP}$  worksheet in Appendix F of the LID BMP Design Handbook. Second, design the LID BMP to meet the required  $V_{BMP}$  using a method approved by the Copermittee. Utilize the worksheets found in the LID BMP Design Handbook or consult with your Copermittee to assist you in correctly sizing your LID BMPs. Complete Table D.3 below to document the Design Capture Volume and the Proposed Volume for each LID BMP. Provide the completed design procedure sheets for each LID BMP in Appendix 6. You may add additional rows to the table below as needed.

Table D.3 DCV Calculations for LID BMPs

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Impervious Fraction, $I_f$	DMA Runoff Factor	DMA Areas x Runoff Factor	<i>Bioretention Basin D-100</i>		
						Design Storm Depth (in)	Design Capture Volume, $V_{BMP}$ (cubic feet)	Proposed Volume on Plans (cubic feet)
	[A]		[B]	[C]	[A] x [C]			
<b>D-100 Impervious</b>	320,442	AC Pavement	1.0	0.89	285,834.3			
<b>D-100 Roofs</b>	727,285	Roofs	1.0	0.89	648,738.2			
<b>D-100 Landscape</b>	571,926	Ornamental Landscaping	0.1	0.11	63,173.8			
	1,619,653				997,746.3	0.65	54,044.6	<b>54,045</b>

[B], [C] is obtained as described in Section 2.3.1 of the WQMP Guidance Document

[E] is obtained from Exhibit A in the WQMP Guidance Document

[G] is obtained from a design procedure sheet, such as in LID BMP Design Handbook and placed in Appendix 6

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Impervious Fraction, $I_f$	DMA Runoff Factor	DMA Areas x Runoff Factor	<i>Bioretention Basin D-200</i>		
						Design Storm Depth (in)	Design Capture Volume, $V_{BMP}$ (cubic feet)	Proposed Volume on Plans (cubic feet)
	[A]		[B]	[C]	[A] x [C]			
<b>D-200 Impervious</b>	118,702	AC Pavement	1.0	0.89	105,882.2			
<b>D-200 Roofs</b>	230,892	Roofs	1.0	0.89	205,955.7			
<b>D-200 Landscape</b>	193,462	Ornamental Landscaping	0.1	0.11	21,369.4			
	543,056				333,207.3	0.65	18,048.7	<b>18,049</b>

## Section E: Alternative Compliance (LID Waiver Program)

LID BMPs are expected to be feasible on virtually all projects. Where LID BMPs have been demonstrated to be infeasible as documented in Section D, other Treatment Control BMPs must be used (subject to LID waiver approval by the Copermittee). Check one of the following Boxes:

LID Principles and LID BMPs have been incorporated into the site design to fully address all Drainage Management Areas. No alternative compliance measures are required for this project and thus this Section is not required to be completed.

- Or -

The following Drainage Management Areas are unable to be addressed using LID BMPs. A site-specific analysis demonstrating technical infeasibility of LID BMPs has been approved by the Co-Permittee and included in Appendix 5. Additionally, no downstream regional and/or sub-regional LID BMPs exist or are available for use by the project. The following alternative compliance measures on the following pages are being implemented to ensure that any pollutant loads expected to be discharged by not incorporating LID BMPs, are fully mitigated.



## E.1 Identify Pollutants of Concern

Utilizing Table A.1 from Section A above which noted your project’s receiving waters and their associated EPA approved 303(d) listed impairments, cross reference this information with that of your selected Priority Development Project Category in Table E.1 below. If the identified General Pollutant Categories are the same as those listed for your receiving waters, then these will be your Pollutants of Concern and the appropriate box or boxes will be checked on the last row. The purpose of this is to document compliance and to help you appropriately plan for mitigating your Pollutants of Concern in lieu of implementing LID BMPs.

Table E.1 Potential Pollutants by Land Use Type

Priority Development Project Categories and/or Project Features (check those that apply)	General Pollutant Categories							
	Bacterial Indicators	Metals	Nutrients	Pesticides	Toxic Organic Compounds	Sediments	Trash & Debris	Oil Grease &
<input checked="" type="checkbox"/> Detached Residential Development	P	N	P	P	N	P	P	P
<input type="checkbox"/> Attached Residential Development	P	N	P	P	N	P	P	P <sup>(2)</sup>
<input type="checkbox"/> Commercial/Industrial Development	P <sup>(3)</sup>	P	P <sup>(1)</sup>	P <sup>(1)</sup>	P <sup>(5)</sup>	P <sup>(1)</sup>	P	P
<input type="checkbox"/> Automotive Repair Shops	N	P	N	N	P <sup>(4, 5)</sup>	N	P	P
<input type="checkbox"/> Restaurants (>5,000 ft <sup>2</sup> )	P	N	N	N	N	N	P	P
<input type="checkbox"/> Hillside Development (>5,000 ft <sup>2</sup> )	P	N	P	P	N	P	P	P
<input type="checkbox"/> Parking Lots (>5,000 ft <sup>2</sup> )	P <sup>(6)</sup>	P	P <sup>(1)</sup>	P <sup>(1)</sup>	P <sup>(4)</sup>	P <sup>(1)</sup>	P	P
<input type="checkbox"/> Retail Gasoline Outlets	N	P	N	N	P	N	P	P
<b>Project Priority Pollutant(s) of Concern</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

P = Potential

N = Not Potential

<sup>(1)</sup> A potential Pollutant if non-native landscaping exists or is proposed onsite; otherwise not expected

<sup>(2)</sup> A potential Pollutant if the project includes uncovered parking areas; otherwise not expected

<sup>(3)</sup> A potential Pollutant is land use involving animal waste

<sup>(4)</sup> Specifically petroleum hydrocarbons

<sup>(5)</sup> Specifically solvents

<sup>(6)</sup> Bacterial indicators are routinely detected in pavement runoff

## E.2 Stormwater Credits

Projects that cannot implement LID BMPs but nevertheless implement smart growth principles are potentially eligible for Stormwater Credits. Utilize Table 3-8 within the WQMP Guidance Document to identify your Project Category and its associated Water Quality Credit. If not applicable, write N/A.

Table E.2 Water Quality Credits

Qualifying Project Categories	Credit Percentage <sup>2</sup>
n/a	
<i>Total Credit Percentage<sup>1</sup></i>	

<sup>1</sup>Cannot Exceed 50%

<sup>2</sup>Obtain corresponding data from Table 3-8 in the WQMP Guidance Document

## E.3 Sizing Criteria

After you appropriately considered Stormwater Credits for your project, utilize Table E.3 below to appropriately size them to the DCV, or Design Flow Rate, as applicable. Please reference Chapter 3.5.2 of the WQMP Guidance Document for further information.

Table E.3 Treatment Control BMP Sizing

DMA Type/ ID	DMA Area (square feet)	Post-Project Surface Type	Effective Impervious Fraction, I <sub>f</sub>	DMA Runoff Factor	DMA Area x Runoff Factor	Enter BMP Name / Identifier Here			
	[A]		[B]	[C]	[A] x [C]				
n/a						Design Storm Depth (in)	Minimum Design Capture	Total Storm Water	Proposed Volume or Flow on Plans
							Volume or Design Flow Rate (cubic feet or cfs)	Credit % Reduction	(cubic feet or cfs)

[B], [C] is obtained as described in Section 2.3.1 from the WQMP Guidance Document

[E] is obtained from Exhibit A in the WQMP Guidance Document

[G] is for Flow-Based Treatment Control BMPs [G] = 43,560, for Volume-Based Control Treatment BMPs, [G] = 12

[H] is from the Total Credit Percentage as Calculated from Table E.2 above

[I] as obtained from a design procedure sheet from the BMP manufacturer and should be included in Appendix 6

### E.4 Treatment Control BMP Selection

Treatment Control BMPs typically provide proprietary treatment mechanisms to treat potential pollutants in runoff, but do not sustain significant biological processes. Treatment Control BMPs must have a removal efficiency of a medium or high effectiveness as quantified below:

- **High:** equal to or greater than 80% removal efficiency
- **Medium:** between 40% and 80% removal efficiency

Such removal efficiency documentation (e.g., studies, reports, etc.) as further discussed in Chapter 3.5.2 of the WQMP Guidance Document, must be included in Appendix 6. In addition, ensure that proposed Treatment Control BMPs are properly identified on the WQMP Site Plan in Appendix 1.

Table E.4 Treatment Control BMP Selection

Selected Treatment Control BMP Name or ID <sup>1</sup>	Priority Pollutant(s) of Concern to Mitigate <sup>2</sup>	Removal Efficiency Percentage <sup>3</sup>
Bioretention Basin	Nutrients	70%
Bioretention Basin	Bacteria, T.O.C	90%
Bioretention Basin	Pesticides	>80%
Bioretention Basin	Sediments	>80%

<sup>1</sup> Treatment Control BMPs must not be constructed within Receiving Waters. In addition, a proposed Treatment Control BMP may be listed more than once if they possess more than one qualifying pollutant removal efficiency.

<sup>2</sup> Cross Reference Table E.1 above to populate this column.

<sup>3</sup> As documented in a Co-Permittee Approved Study and provided in Appendix 6.

## Section F: Hydromodification

### F.1 Hydrologic Conditions of Concern (HCOC) Analysis

Once you have determined that the LID design is adequate to address water quality requirements, you will need to assess if the proposed LID Design may still create a HCOC. Review Chapters 2 and 3 (including Figure 3-7) of the WQMP Guidance Document to determine if your project must mitigate for Hydromodification impacts. If your project meets one of the following criteria which will be indicated by the check boxes below, you do not need to address Hydromodification at this time. However, if the project does not qualify for Exemptions 1, 2 or 3, then additional measures must be added to the design to comply with HCOC criteria. This is discussed in further detail below in Section F.2.

**HCOC EXEMPTION 1:** The Priority Development Project disturbs less than one acre. The Copermitttee has the discretion to require a Project-Specific WQMP to address HCOCs on projects less than one acre on a case by case basis. The disturbed area calculation should include all disturbances associated with larger common plans of development.

Does the project qualify for this HCOC Exemption?  Y  N

If Yes, HCOC criteria do not apply.

**HCOC EXEMPTION 2:** The volume and time of concentration<sup>1</sup> of storm water runoff for the post-development condition is not significantly different from the pre-development condition for a 2-year return frequency storm (a difference of 5% or less is considered insignificant) using one of the following methods to calculate:

- Riverside County Hydrology Manual
- Technical Release 55 (TR-55): Urban Hydrology for Small Watersheds (NRCS 1986), or derivatives thereof, such as the Santa Barbara Urban Hydrograph Method
- Other methods acceptable to the Co-Permittee

Does the project qualify for this HCOC Exemption?  Y  N

If Yes, report results in Table F.1 below and provide your substantiated hydrologic analysis in Appendix 7.

**Table F.1** Hydrologic Conditions of Concern Summary

	2 year – 24 hour		
	Pre-condition	Post-condition	% Difference
<b>Time of Concentration</b>	n/a	n/a	n/a
<b>Volume (Cubic Feet)</b>	n/a	n/a	n/a

<sup>1</sup> Time of concentration is defined as the time after the beginning of the rainfall when all portions of the drainage basin are contributing to flow at the outlet.

**HCOC EXEMPTION 3:** All downstream conveyance channels to an adequate sump (for example, Prado Dam, Lake Elsinore, Canyon Lake, Santa Ana River, or other lake, reservoir or naturally erosion resistant feature) that will receive runoff from the project are engineered and regularly maintained to ensure design flow capacity; no sensitive stream habitat areas will be adversely affected; or are not identified on the Co-Permittees Hydromodification Sensitivity Maps.

Does the project qualify for this HCOC Exemption?       Y       N

If Yes, HCOC criteria do not apply and note below which adequate sump applies to this HCOC qualifier:

Lake Elsinore

**F.2 HCOC Mitigation**

If none of the above HCOC Exemption Criteria are applicable, HCOC criteria is considered mitigated if they meet one of the following conditions:

- a. Additional LID BMPS are implemented onsite or offsite to mitigate potential erosion or habitat impacts as a result of HCOCs. This can be conducted by an evaluation of site-specific conditions utilizing accepted professional methodologies published by entities such as the California Stormwater Quality Association (CASQA), the Southern California Coastal Water Research Project (SCCRWP), or other Co-Permittee approved methodologies for site-specific HCOC analysis.
- b. The project is developed consistent with an approved Watershed Action Plan that addresses HCOC in Receiving Waters.
- c. Mimicking the pre-development hydrograph with the post-development hydrograph, for a 2-year return frequency storm. Generally, the hydrologic conditions of concern are not significant, if the post-development hydrograph is no more than 10% greater than pre-development hydrograph. In cases where excess volume cannot be infiltrated or captured and reused, discharge from the site must be limited to a flow rate no greater than 110% of the pre-development 2-year peak flow.

Be sure to include all pertinent documentation used in your analysis of the items a, b or c in Appendix 7.

## Section G: Source Control BMPs

Source control BMPs include permanent, structural features that may be required in your project plans — such as roofs over and berms around trash and recycling areas — and Operational BMPs, such as regular sweeping and “housekeeping”, that must be implemented by the site’s occupant or user. The MEP standard typically requires both types of BMPs. In general, Operational BMPs cannot be substituted for a feasible and effective permanent BMP. Using the Pollutant Sources/Source Control Checklist in Appendix 8, review the following procedure to specify Source Control BMPs for your site:

1. **Identify Pollutant Sources:** Review Column 1 in the Pollutant Sources/Source Control Checklist. Check off the potential sources of Pollutants that apply to your site.
2. **Note Locations on Project-Specific WQMP Exhibit:** Note the corresponding requirements listed in Column 2 of the Pollutant Sources/Source Control Checklist. Show the location of each Pollutant source and each permanent Source Control BMP in your Project-Specific WQMP Exhibit located in Appendix 1.
3. **Prepare a Table and Narrative:** Check off the corresponding requirements listed in Column 3 in the Pollutant Sources/Source Control Checklist. In the left column of Table G.1 below, list each potential source of runoff Pollutants on your site (from those that you checked in the Pollutant Sources/Source Control Checklist). In the middle column, list the corresponding permanent, Structural Source Control BMPs (from Columns 2 and 3 of the Pollutant Sources/Source Control Checklist) used to prevent Pollutants from entering runoff. **Add additional narrative** in this column that explains any special features, materials or methods of construction that will be used to implement these permanent, Structural Source Control BMPs.
4. **Identify Operational Source Control BMPs:** To complete your table, refer once again to the Pollutant Sources/Source Control Checklist. List in the right column of your table the Operational BMPs that should be implemented as long as the anticipated activities continue at the site. Copermittee stormwater ordinances require that applicable Source Control BMPs be implemented; the same BMPs may also be required as a condition of a use permit or other revocable Discretionary Approval for use of the site.

**Table G.1** Permanent and Operational Source Control Measures

Potential Sources of Runoff pollutants	Permanent Structural Source Control BMPs	Operational Source Control BMPs
<b>On-Site Storm Drain Inlets</b>	Mark all inlets with the words “Only Rain Down the Storm Drain” or similar. Catch Basin Markers may be available from the Riverside County Flood Control and Water Conservation District, call 951.995.1200 to verify.	Maintain and periodically repaint or replace inlet markings.  Provide stormwater pollution prevention information to new site owners, leases, or operators.  See applicable operational BMPs in Fact Sheet SC-44, “Drainage System Maintenance,” in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a>  Include the following in lease agreements: “Tenant shall not allow anyone to discharge anything to storm drains or to



		store or deposit materials so as to create a potential discharge to storm drains.”
<b>Landscape/Outdoor Pesticide Use</b>	<p>All final landscape plans will accomplish the following:</p> <p>Design landscaping to minimize irrigation and runoff, to promote surface infiltration where appropriate, and to minimize the use of fertilizers and pesticides that can contribute to stormwater pollution.</p> <p>Where landscaped areas are used to retain or detain stormwater, specify plants that are tolerant of saturated soil conditions.</p> <p>Consider using pest-resistant plants, especially adjacent to hardscape.</p> <p>To insure successful establishment, select plants appropriate to site soils, slopes, climate, sun, wind, rain, land use, air movement, ecological consistency, and plant interactions</p>	<p>Maintain landscaping using minimum or no pesticides.</p> <p>See applicable operational BMPs in “What you should know for.....Landscape and Gardening” at <a href="http://rcflood.org/stormwater/Downloads/LandscapeGardenBrochure.pdf">http://rcflood.org/stormwater/Downloads/LandscapeGardenBrochure.pdf</a></p> <p>Provide IPM information to new owners, lessees and operators</p>
<b>Miscellaneous Drain or Wash Water or Other Sources</b>	Avoid roofing, gutters, and trim made of copper or other unprotected metals that may leach into runoff.	

## Section H: Construction Plan Checklist

Populate Table H.1 below to assist the plan checker in an expeditious review of your project. The first two columns will contain information that was prepared in previous steps, while the last column will be populated with the corresponding plan sheets. This table is to be completed with the submittal of your final Project-Specific WQMP.

**Table H.1 Construction Plan Cross-reference**

BMP No. or ID	BMP Identifier and Description	Corresponding Plan Sheet(s)
D-100 Impervious	320,442 sf draining to D-100 Bioretention Basin	Tentative Map Sheet 1
D-100 Roofs	727,285 sf draining to D-100 Bioretention Basin	Tentative Map Sheet 1
D-100 Landscaping	571,926 sf draining to D-100 Bioretention Basin	Tentative Map Sheet 1
D-200 Impervious	118,702 sf draining to D-200 Bioretention Basin	Tentative Map Sheet 1
D-200 Roofs	230,892 sf draining to D-200 Bioretention Basin	Tentative Map Sheet 1
D-200 Landscaping	193,462 sf draining to D-200 Bioretention Basin	Tentative Map Sheet 1

Note that the updated table — or Construction Plan WQMP Checklist — is **only a reference tool** to facilitate an easy comparison of the construction plans to your Project-Specific WQMP. Co-Permittee staff can advise you regarding the process required to propose changes to the approved Project-Specific WQMP.

# Section I: Operation, Maintenance and Funding

The Copermittee will periodically verify that Stormwater BMPs on your site are maintained and continue to operate as designed. To make this possible, your Copermittee will require that you include in Appendix 9 of this Project-Specific WQMP:

1. A means to finance and implement facility maintenance in perpetuity, including replacement cost.
2. Acceptance of responsibility for maintenance from the time the BMPs are constructed until responsibility for operation and maintenance is legally transferred. A warranty covering a period following construction may also be required.
3. An outline of general maintenance requirements for the Stormwater BMPs you have selected.
4. Figures delineating and designating pervious and impervious areas, location, and type of Stormwater BMP, and tables of pervious and impervious areas served by each facility. Geo-locating the BMPs using a coordinate system of latitude and longitude is recommended to help facilitate a future statewide database system.
5. A separate list and location of self-retaining areas or areas addressed by LID Principles that do not require specialized O&M or inspections but will require typical landscape maintenance as noted in Chapter 5, pages 85-86, in the WQMP Guidance. Include a brief description of typical landscape maintenance for these areas.

Your local Co-Permittee will also require that you prepare and submit a detailed Stormwater BMP Operation and Maintenance Plan that sets forth a maintenance schedule for each of the Stormwater BMPs built on your site. An agreement assigning responsibility for maintenance and providing for inspections and certification may also be required.

Details of these requirements and instructions for preparing a Stormwater BMP Operation and Maintenance Plan are in Chapter 5 of the WQMP Guidance Document.

**Maintenance Mechanism:** Home Owner’s Association

Will the proposed BMPs be maintained by a Home Owners’ Association (HOA) or Property Owners Association (POA)?

Y       N

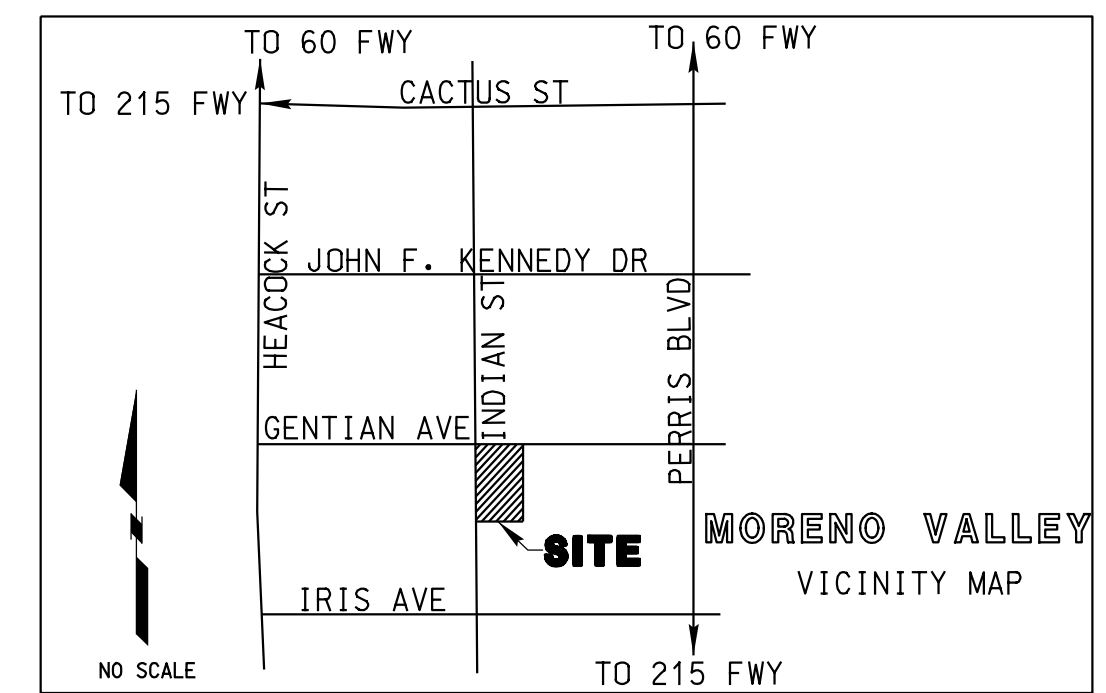
Include your Operation and Maintenance Plan and Maintenance Mechanism in Appendix 9. Additionally, include all pertinent forms of educational materials for those personnel that will be maintaining the proposed BMPs within this Project-Specific WQMP in Appendix 10.

# Appendix 1: Maps and Site Plans

*Location Map, WQMP Site Plan and Receiving Waters Map*

Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A





**OWNER/APPLICANT**

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 4100 NEWPORT PLACE, SUITE 400  
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**ENGINEER**

RICK ENGINEERING COMPANY  
 1770 IOWA AVENUE, STE 100  
 RIVERSIDE, CA 92507  
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 EMAIL: RONEILL@RICKENGINEERING.COM

**GENERAL NOTES**

1. PROPOSED BMPs: BIORETENTION BASINS
2. EXISTING LAND USE: SUBURBAN RESIDENTIAL
3. PROPOSED LAND USE: SUBURBAN RESIDENTIAL

**LEGEND**

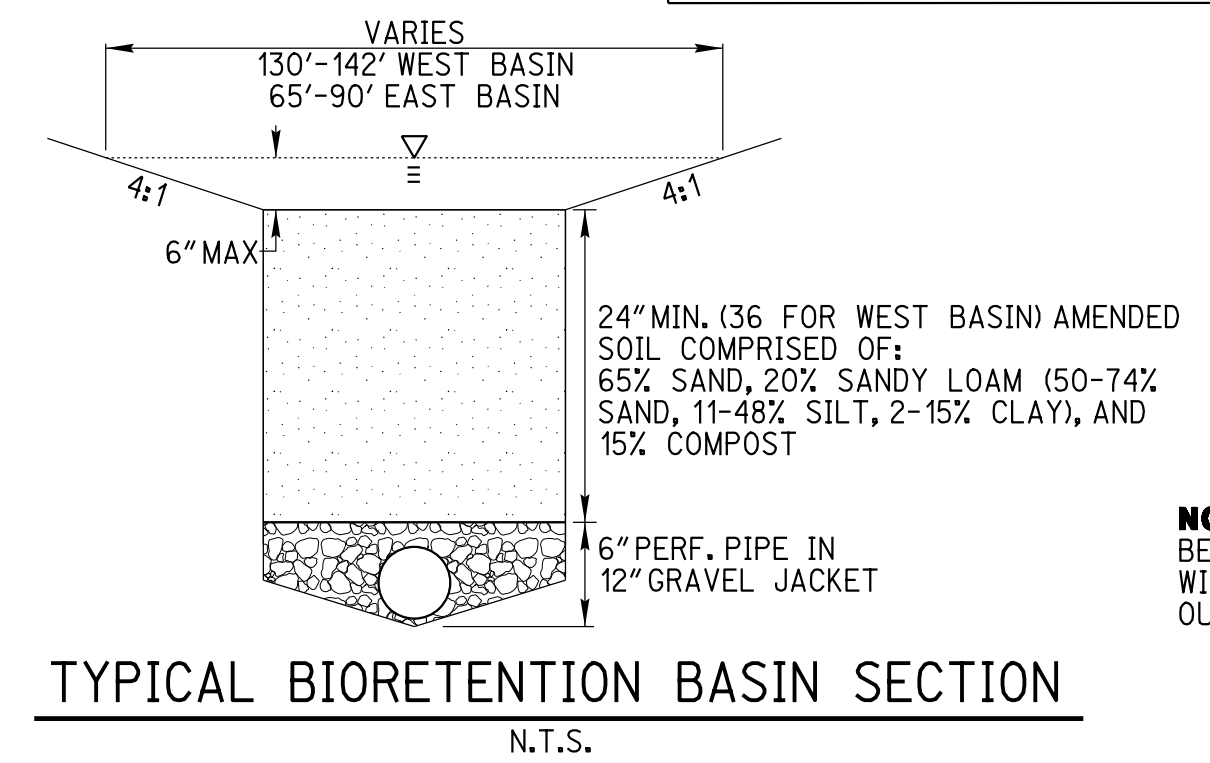
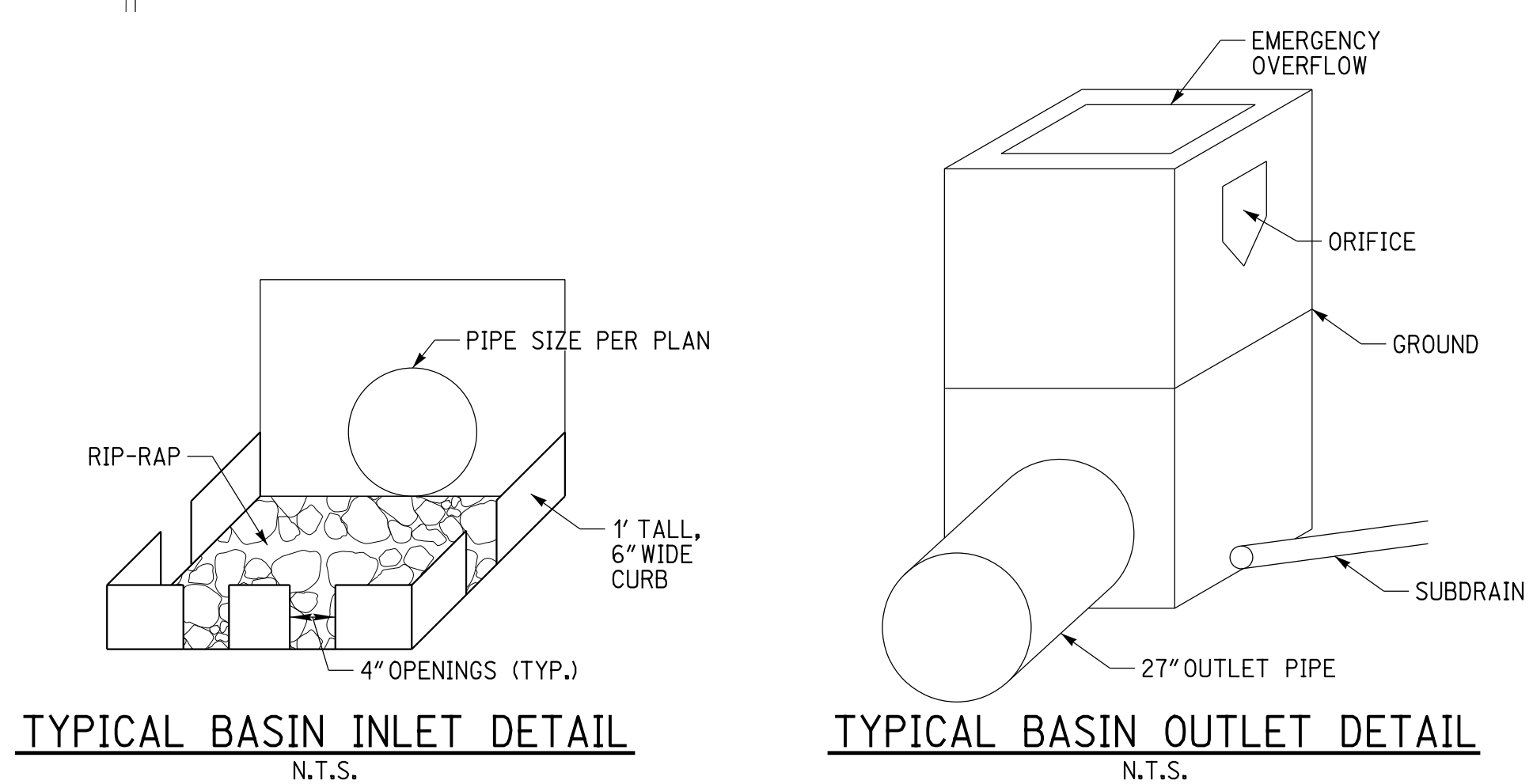
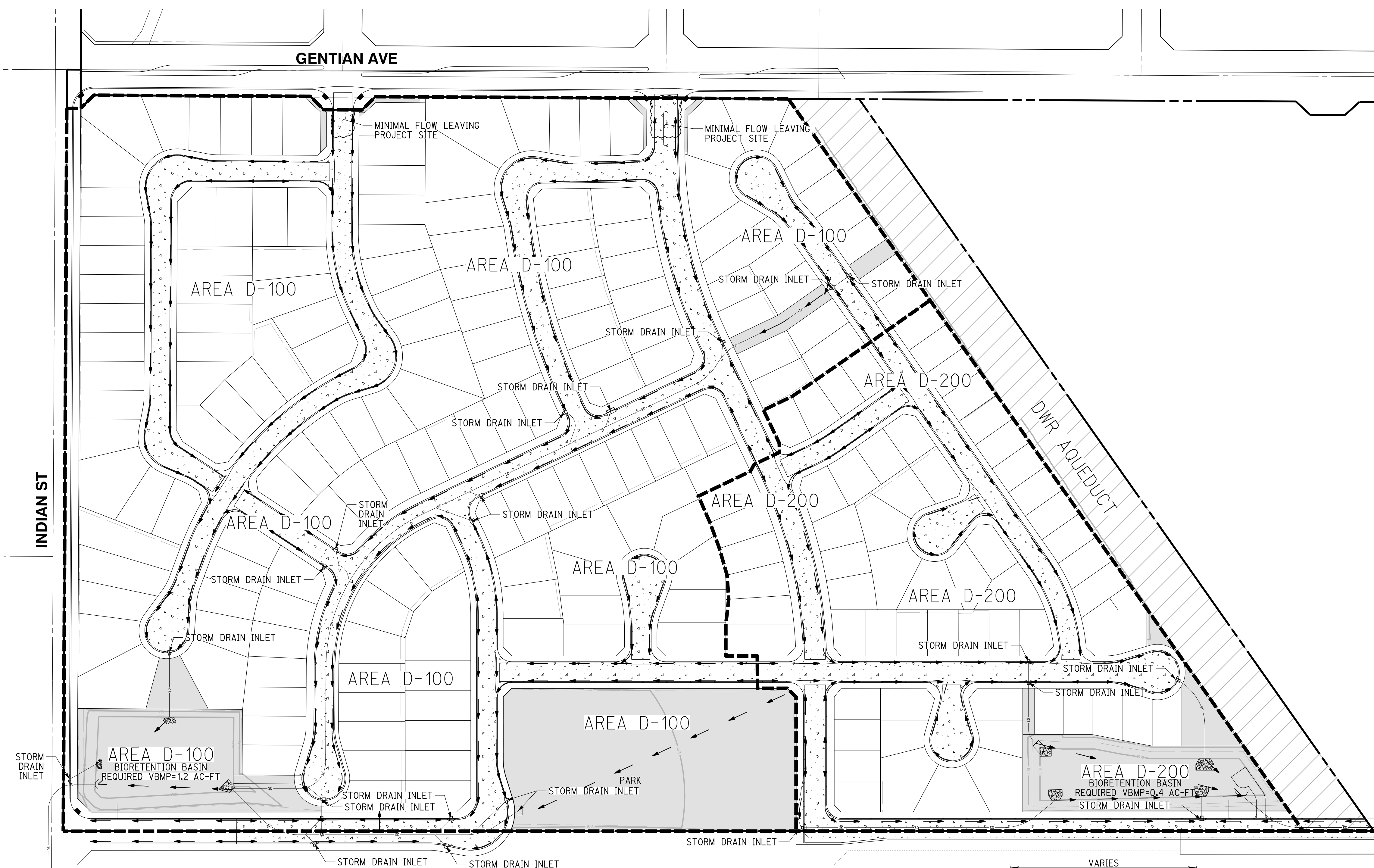
- PROJECT BOUNDARY
- - - DRAINAGE BOUNDARY
- DIRECTION OF FLOW
- SD — PROPOSED SD
- ▨ LANDSCAPE/PLANTED AREA
- ▨ PAVED AREA
- ▨ AREA NOT DRAINING TO BMPs

**TOTAL AREA DRAINING TO BMP'S**

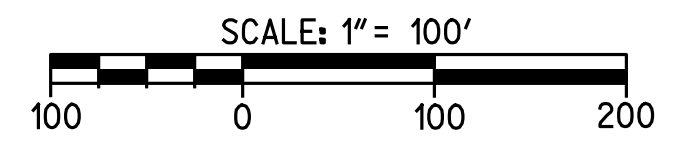
- AREA DRAINING TO D-100 BASIN
1. PERVIOUS LANDSCAPING: 13.1 AC
  2. IMPERVIOUS ROOFS: 16.7 AC
  3. IMPERVIOUS ASPHALT AND CONCRETE: 7.4 AC
- AREA DRAINING TO D-200 BASIN
1. PERVIOUS LANDSCAPING: 4.5 AC
  2. IMPERVIOUS ROOFS: 5.3 AC
  3. IMPERVIOUS ASPHALT AND CONCRETE: 2.7 AC

**WATER QUALITY MANAGEMENT PLAN NOTES:**

1. POST-CONSTRUCTION BMPs ARE DISCUSSED IN MORE DETAIL WITHIN THIS WATER QUALITY MANAGEMENT PLAN.
2. THE CONSTRUCTION SITE PERIMETER IS A SCHEMATIC AND NOT INTENDED TO EXPAND THE LIMITS OF WORK AS DELINEATED MORE PRECISELY ON OTHER CONTRACT DOCUMENTS.
3. FOR INFORMATION ON PROPOSED LANDSCAPED AND PAVED AREAS, REFER TO SECTION 1, PROJECT DESCRIPTION AND THE TEXT.
4. THE MPLC LEGACY 75 PARTNERS, LLC WILL INSTALL STENCILS ON EVERY STORM DRAIN INLET. THE MPLC LEGACY 75 PARTNERS, LLC WILL CONTACT THE CITY OF MORENO VALLEY PRIOR TO COMPLETING CONSTRUCTION OF THE INLETS TO DETERMINE THE MOST CURRENT STENCILING REQUIREMENTS AND INCORPORATE THOSE REQUIREMENTS AT THE INLETS.



**NOTE:** UNDERDRAIN LAYOUT WILL BE SHOWN IN THE FINAL WQMP AND WILL CONFIGURE TO REQUIREMENTS OUTLINED IN THE LID HANDBOOK.



**NOT FOR CONSTRUCTION FOR WQMP EXHIBIT ONLY**

**WQMP EXHIBIT:**  
 THIS PLAN PRESENTS THE RECOMMENDATIONS OF RICK ENGINEERING COMPANY FOR THE TITLE PROJECT BASED ON COMPLETED PHASES OF CONSTRUCTION. STORM WATER POLLUTION PREVENTION IS THE RESPONSIBILITY OF THE PROPERTY OWNER OR THEIR DELEGATED RESPONSIBLE PARTY. THE RECOMMENDATIONS PRESENTED ON THIS PLAN SHOULD BE CONSTANTLY REVIEWED AND AMENDED AS APPROPRIATE BY THE PROPERTY OWNER OR THEIR DELEGATED RESPONSIBLE PARTY AS SITE CONDITIONS CHANGE.

DATE	BY	REVISIONS

**WATER QUALITY MANAGEMENT PLAN SITE PLAN EXHIBIT**  
 TRACT 36760  
 APN'S 485-220-023, 485-220-032

**RICK ENGINEERING COMPANY**  
 1770 IOWA AVENUE - SUITE 100  
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SHEET NO. **1** OF **1** SHEETS



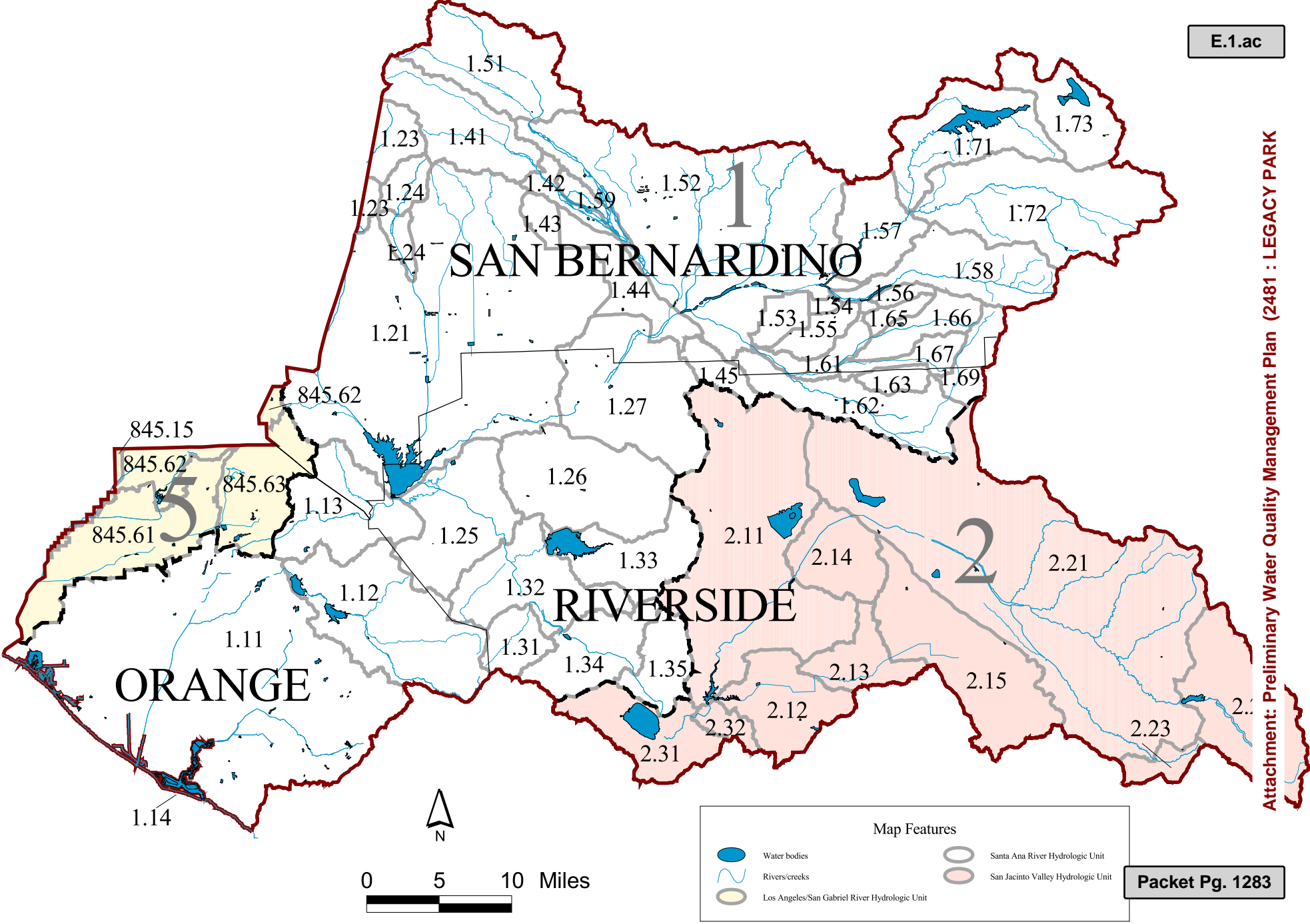


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**LEGACY PARK DEVELOPMENT**  
**APN'S: 485-220-023,**  
**485-220-032, 485-220-040**  
**LOCATION MAP**





Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK

**Map Features**

- Water bodies
- Rivers/creeks
- Los Angeles/San Gabriel River Hydrologic Unit
- Santa Ana River Hydrologic Unit
- San Jacinto Valley Hydrologic Unit

## Index to map of the Santa Ana Hydrologic Basin Planning Area (SA), 1986

### Abbreviations Used:

- HA – Hydrologic Area
- HSA - Hydrologic Subarea

801.0	SANTA ANA RIVER HYDROLOGIC UNIT
801.10	Lower Santa Ana River HA
801.11	East Coastal Plain HSA
801.12	Santiago HSA
801.13	Santa Ana Narrows HSA
801.14	(not included in Basin Plan)
801.20	Middle Santa Ana River HA Split
801.21	Chino HSA Split
481.21	Chino HSA Split
481.22	Harrison HSA
801.23	Claremont Heights HSA Split
481.23	Claremont Heights HSA Split
801.24	Cucamonga HSA
801.25	Temescal HSA
801.26	Arlington HSA
801.27	Riverside HSA
801.30	Lake Mathews HSA
801.31	Coldwater HSA
801.32	Bedford HSAS
801.33	Cajalco HSA
801.34	Lee Lake HSA
801.35	Terra Cotta HSA
801.40	Colton- Rialto HA
801.41	Upper Lytle HSA
801.42	Lower Lytle HSA
801.43	Rialto HSA
801.44	Colton HSA
801.50	Upper Santa Ana River HA
801.51	Cajon HSA
801.52	Bunker Hill HSA
801.53	Redlands HSA
801.54	Mentone HSA
801.55	Reservoir HSA
801.56	Crafton HSA

Index to map of the Santa Ana Hydrologic Basin Planning Area  
Page 2 of 3

- 801.57 Santa Ana Canyon HSA
- 801.58 Mill Creek HSA
- 801.59 Sycamore HAS
  
- 801.60 San Timoteo HA
- 801.61 Yucaipa HSA
- 801.62 Beaumont HSA
- 801.63 Cherry Valley HSA
- 801.64 Chicken Hill HSA
- 801.65 Gateway HSA
- 801.66 Oak Glen HSA
- 801.67 South Mesa HSA
- 801.68 Triple Falls Creek HSA
- 801.69 Noble Creek HAS
  
- 801.70 San Bernardino Mountain HA
- 801.71 Bear Valley HSA
- 801.72 Seven Oaks HSA
- 801.73 Baldwin HSA
  
- 802.0 SAN JACINTO VALLEY HYDROLOGIC UNIT
- 802.10 Perris HA
- 802.11 Perris Valley HSA
- 802.12 Menifee HSA
- 802.13 Winchester HSA
- 802.14 Lakeview HSA
- 802.15 Hemet HAS
  
- 802.20 San Jacinto HA
- 802.21 Gilman Hot Springs HSA
- 802.22 Hemet Lake HSA
- 802.23 Bautista HAS
  
- 802.30 Elsinore Valley HA
- 802.31 Elsinore HSA
- 802.32 Railroad HSA
  
- 805.0 LOS ANGELES-SAN GABRIEL RIVER HYDROLOGIC UNIT
- 805.10 Coastal Plain of Los Angeles County HA split
- 845.15 Central HSA Split
- 845.60 Anaheim HA Split
- 845.61 Anaheim HSA Split
- 845.62 La Habra HSA Split
- 845.63 Yorba Linda HSA Split

Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

*Index to map of the Santa Ana Hydrologic Basin Planning Area*  
*Page 3 of 3*

Notes:

1. The .pdf version of the map that this index accompanies was prepared from an August 1986 revision of a map entitled, "Santa Ana Hydrologic Basin Planning Area (SA)," State of California Regional Water Quality Control Board, Santa Ana Region (8), that was included in the Water Quality Control Plan for the Santa Ana River Basin – Region 8, 1994.
2. The naming conventions used in this index are the same as used by the Department of Water Resources in their Bulletin 130 series. Bulletin 130 was last published in May 1988, for the 1982-85 water year. The numbering system used on the accompanying map is an adaptation of the numbering system used in Bulletin 130.
3. The boundary between Regional Water Quality Control Boards 4 and 8 is specified in California Water Code Section 13200 as coinciding with the southeasterly boundary of Los Angeles County from the Pacific Ocean to San Antonio Peak. Therefore, the boundary between these two regions is not a hydrologic boundary, but a political one. Consequently, some, or parts of some, of the hydrologic subunits shown in the Santa Ana River watershed are within the jurisdiction of the RWQCB 4, and some, or parts of some, hydrologic units are in the San Gabriel River watershed of RWQCB 4, but are legally in Region 8.
4. Parts of the southwestern boundary shown for HSA 801.11 East Coastal Plain do not conform exactly to the boundary shown for this area in the Calwater hydrologic mapping project Version 2.2. This lack of conformity affects the area of Laguna Hills, but is insignificant at the scale of this map.
5. The boundary of Region 8 at southwestern tip of HSA 802.24 Bautista shown has been modified as a result of the construction of Diamond Valley Reservoir. This modification affects the area of Goodhart Canyon, but is insignificant at the scale of this map.

# Appendix 2: Construction Plans

*Grading and Drainage Plans*

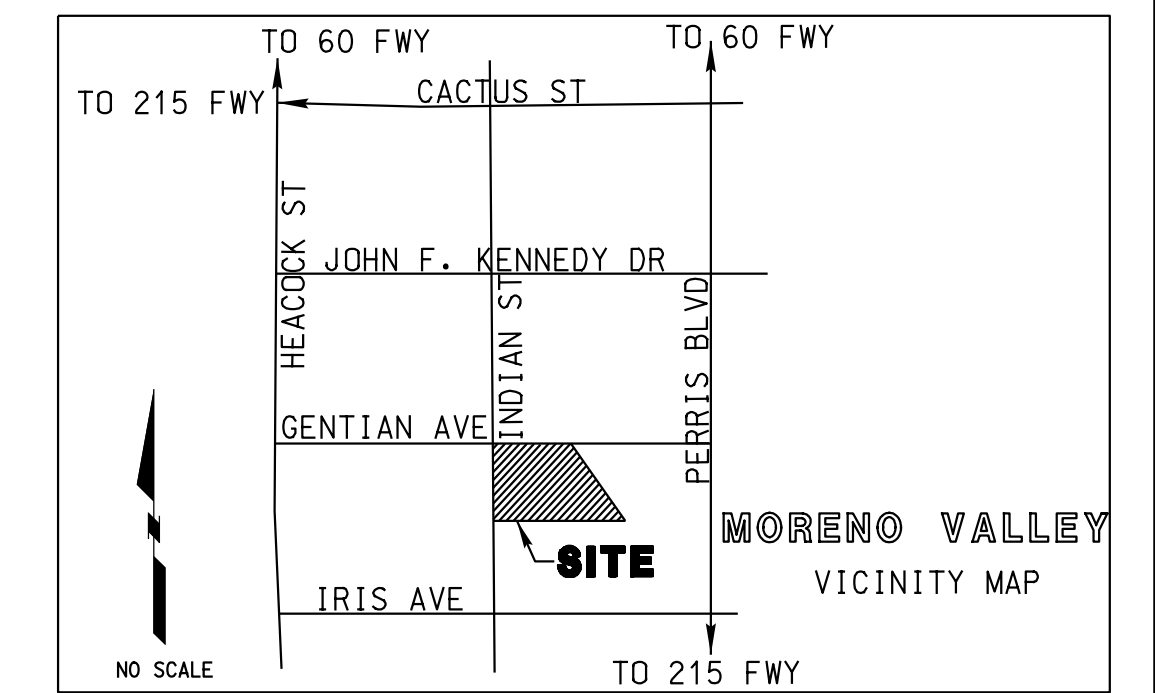
Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A



# TENTATIVE TRACT 36760 PLANNED UNIT DEVELOPMENT

APN'S: 485-220-023, 485-220-032, 485-220-040

MARCH 8, 2016; REVISED: SEPTEMBER 19, 2016



**OWNER/APPLICANT**  
MPLC LEGACY 75 PARTNERS, LLP  
4100 NEWPORT PLACE, SUITE 480  
NEWPORT BEACH, CA 92660  
CONTACT: RICHARD O'NEILL  
PHONE: (949) 752-0707  
FAX: (949) 463-6152  
EMAIL: R.O'NEILL@MISSIONPACIFIC.COM

**ENGINEER**  
RICK ENGINEERING COMPANY  
1770 IOWA AVENUE, STE 100  
RIVERSIDE, CA 92507  
CONTACT: RICHARD O'NEILL  
PHONE: (949) 752-0707  
FAX: (949) 463-6152  
EMAIL: RONELL@RICKENGINEERING.COM

**GENERAL NOTES**

- EXISTING ZONINGS: RS, R30
- EXISTING LAND USE: SUBURBAN RESIDENTIAL
- EXISTING SURROUNDING LAND USE: PUBLIC FACILITIES, RESIDENTIAL COMMERCIAL
- PROPOSED ZONING: RS
- PROPOSED LAND USE: SUBURBAN RESIDENTIAL
- PROJECT ADDRESS: 22.9 AC. GROSS, 46.7 AC. NET
- THOMAS BROS. MAP: 2009 SAN BERNARDINO/RIVERSIDE COUNTIES, PAGE 747, F-1 AND F-2
- THIS IS NOT A GATED COMMUNITY
- SCHOOL DISTRICT: VAL UNIFIED
- AERIAL PHOTOGRAPHY COMPILED AND PREPARED BY RICK ENGINEERING COMPANY ON 03/10/2011 AT 1" CONTOUR INTERVAL ACCURACY
- AVERAGE RESIDENTIAL LOT SIZE: SEE TABULATION TABLE
- FEMA FLOOD ZONE: "X" NO AREAS OF FLOOD HAZARD, INUNDATION OR OVERFLOW WITHIN THE RESIDENTIAL LOTS OF THIS TENTATIVE TRACT MAP BOUNDARY
- THERE ARE NO ADJACENT STRUCTURES OR PROPERTY IMPROVEMENTS WITHIN 50' OF THE PROJECT BOUNDARY
- THERE ARE NO KNOWN EXISTING WELLS, IRRIGATION LINES, CESSPOOLS, SEPTIC TANKS, SEWAGE LEACH FIELDS, SEWERS, CULVERTS, STORM DRAINS, OR UNDERGROUND STRUCTURES WITHIN THE SUBDIVISION
- THERE ARE NO KNOWN PREVIOUSLY FILLED AREAS, INCLUDING LIQUID AND SOLID WASTE DISPOSAL SITES, WITHIN THE SUBDIVISION
- THERE ARE NO KNOWN EXISTING TRENCHES OR STRUCTURES ABOVE GROUND WITHIN THE SUBDIVISION
- THERE ARE NO KNOWN EXISTING TREES OR ROCKS ON SITE
- WATER QUALITY BASINS AND PROPOSED PARK SITE TO BE MAINTAINED BY THE HOA OR PUBLIC ENTITY.
- TRAFFIC SIGNAL INTERSECTION WILL BE PROVIDED AT GENTIAN AVE.
- PROJECT SITE IS IN HOV EXEMPT AREA. OUTLET FROM BASINS WILL NOT MATCH PRE-PROJECT FLOWS, BUT WILL BE SIZED TO STORM DRAIN SYSTEM CAPACITIES.
- APPLICANT RESERVES THE RIGHT TO RECORD THE FINAL MAP IN PHASES.

**LEGAL DESCRIPTION**

LOTS 18 AND 23 IN BLOCK 3 OF RIVERSIDE ALFALFA ACRES, AS SHOWN BY MAP ON FILE IN BOOK 8, PAGE 21 OF MAPS, RIVERSIDE COUNTY RECORDS.

ALSO EXCEPTING THEREFROM ANY PORTION LYING WITHIN TRACT NO. 22180-2 AS PER MAP RECORDED IN BOOK 207 OF MAPS, PAGES 97 THROUGH 103, INCLUSIVE, RIVERSIDE COUNTY RECORDS.

ALSO EXCEPTING THEREFROM ANY PORTION LYING WITHIN TRACT NO. 22180-3 AS PER MAP RECORDED IN BOOK 208, OF MAPS, PAGES 1 THROUGH 6, INCLUSIVE, RIVERSIDE COUNTY RECORDS.

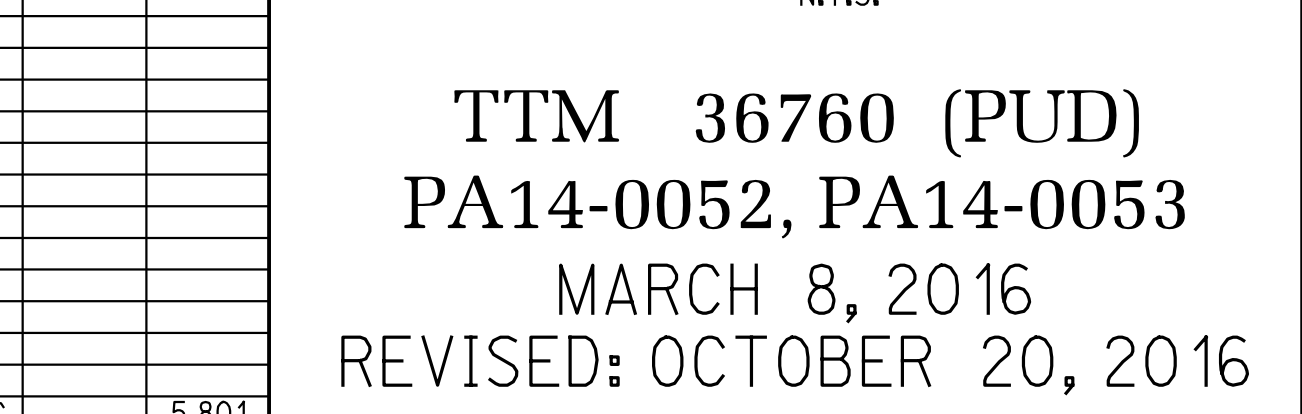
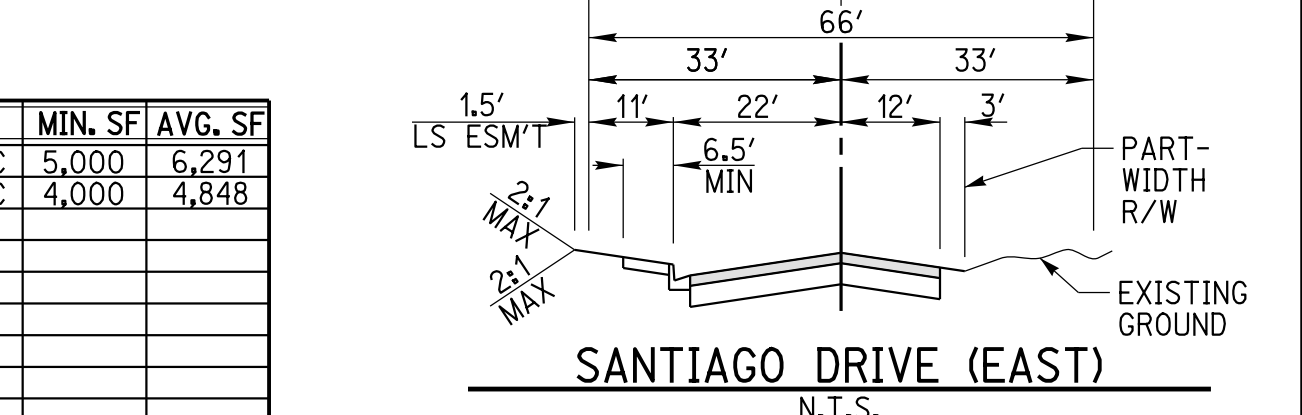
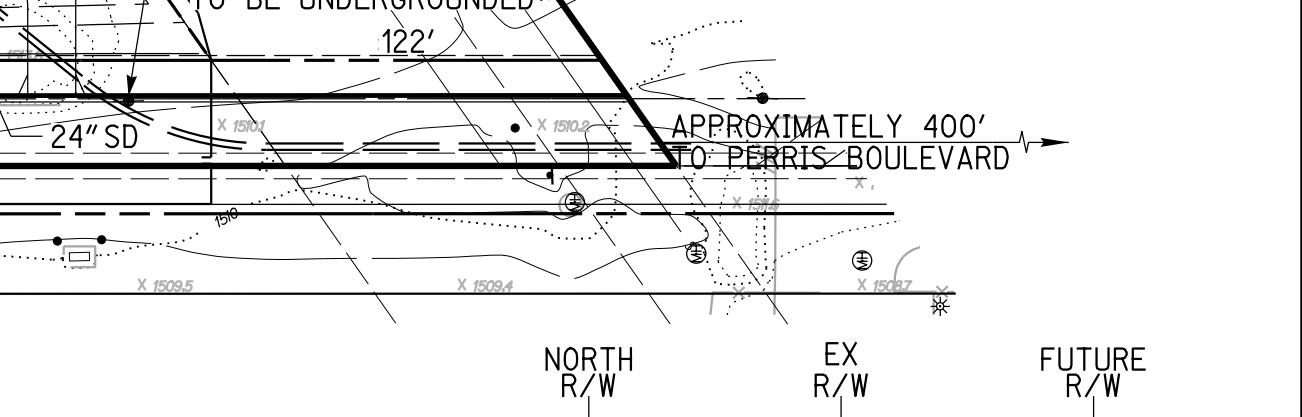
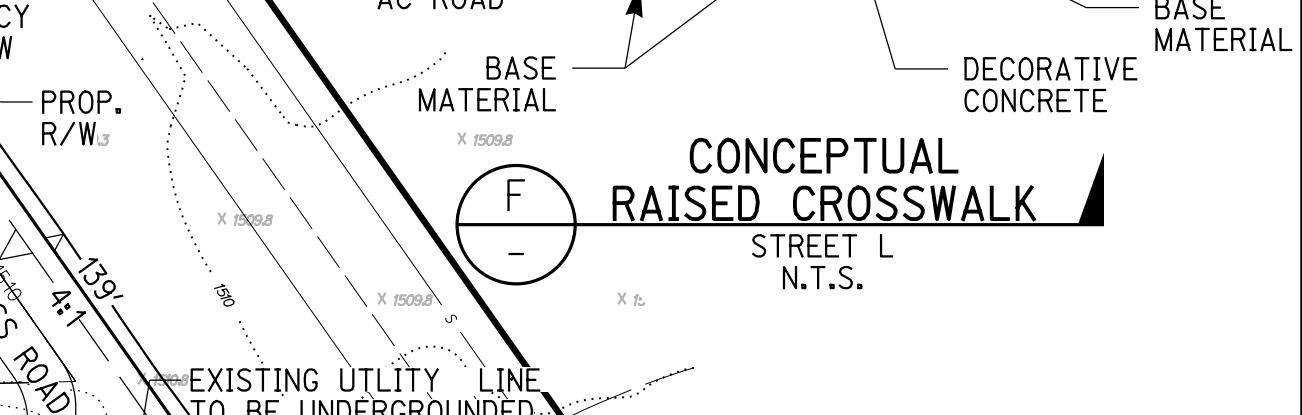
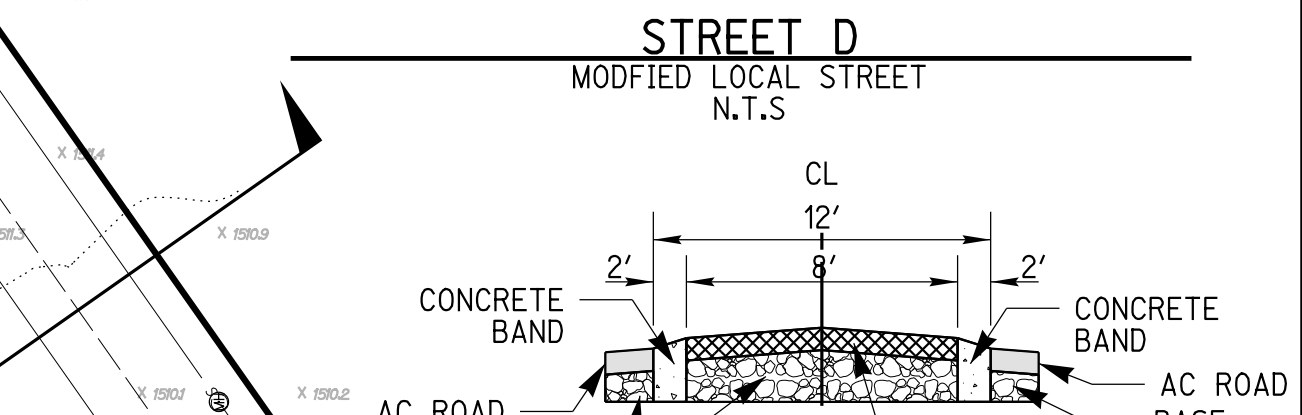
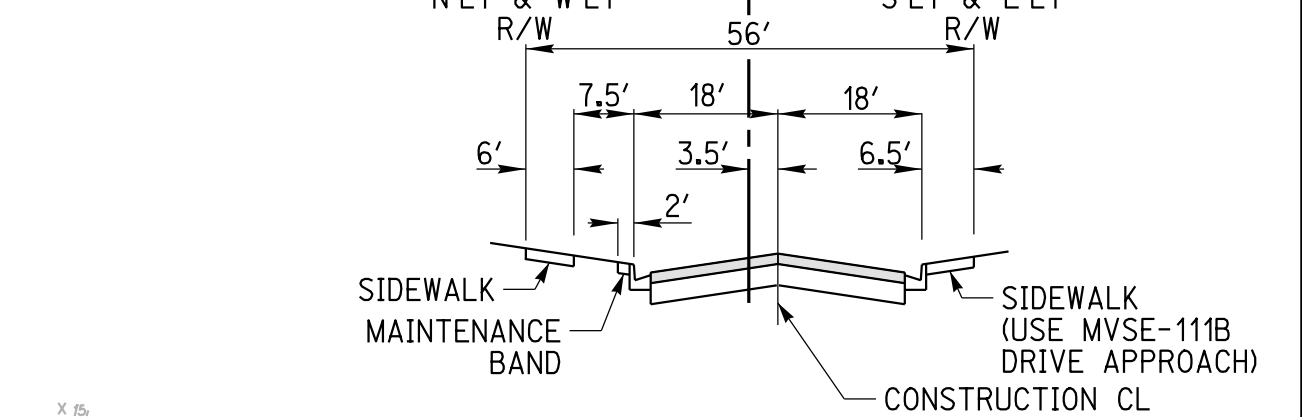
**EASEMENTS**

- 100' CALIFORNIA DWR AQUEDUCT EASEMENT
- 30' EMDW SEWER EASEMENT
- PUBLIC UTILITY EASEMENT 4' ON EACH SIDE OF LOT LINE REC 04/19/1977 # 67119
- 6' PUBLIC UTILITY EASEMENT REC 04/19/1977
- EASEMENT FOR ROADWAY PUBLIC UTILITY AND DRAINAGE, 04/06/2006 #0246722, 12/15/2006 #0919865

**ESTIMATED GRADING QUANTITIES**

ESTIMATED EXCAVATION: 108,000 C.Y.  
ESTIMATED EMBANKMENT: 108,000 C.Y.

NOTE: THE GRADING QUANTITIES SHOWN HEREON ARE RAW QUANTITIES FOR PERMIT PURPOSES ONLY AND ARE NOT TO BE USED FOR FINAL PAY QUANTITIES.



**UTILITY PURVEYORS**

- SEWER AND WATER: EASTERN MUNICIPAL WATER DISTRICT  
2210 TRUMBULL ROAD  
PERDIS, CA 92570  
951 928-3777
- GAS: SOUTHERN CALIFORNIA GAS COMPANY  
1431 FREDERICK STREET, SUITE 2  
MORENO VALLEY, CA 92553  
971 811-8700
- TELEPHONE: VERIZON  
800 483-4000
- CABLE TV: TIME WARNER  
1500 AUTO CENTER DRIVE  
995 MARKET STREET  
RIVERSIDE, CA 92507  
951 955-1200
- CITY OF MORENO VALLEY  
1477 FREDERICK STREET  
MORENO VALLEY, CA 92553  
2009-03-25 #0144742  
INST NO 09-14742  
2009-03-25 #0144742  
485-220-041

**LEGEND**

- TRACT MAP BOUNDARY
- CENTERLINE RADIUS
- RIGHT-OF-WAY / LOT LINE
- PROPOSED CURB
- EXISTING EASEMENT
- EXISTING SUB ELEVATION
- ACCESS DATE
- BLOCK WALL
- TUBULAR STEEL FENCE
- PROPOSED STORM DRAIN
- PROPOSED WATERLINE
- PROPOSED SEWER/MANHOLE
- TOP OF SLOPE
- TOE OF SLOPE
- DIRECTION OF FLOW
- POINT OF INTERSECTION
- FINISHED SURFACE
- GRADE BREAK
- STREET GRADE
- LAST LOT NUMBER
- CURB RAMP
- DECORATIVE CONCRETE

**LAND USE**

LAND USE	LOT NO. MAINTAINED BY # OF LOTS	AREA	LOT SIZE	DENSITY	MIN. SF	AVG. SF	
50X100 NEIGHBORHOOD	RESIDENTIAL 1-145	145	34.6 AC	50X100	4-2 DU/AC	5,000	6,291
50X100 NEIGHBORHOOD	RESIDENTIAL 146-241	76	38.4 AC	50X80	3-2 DU/AC	4,000	5,848
OPEN SPACE	AA	HOA	1,472 SF				
OPEN SPACE	BB	HOA	4,232 SF				
OPEN SPACE	CC	HOA	1,472 SF				
OPEN SPACE	DD	HOA	1,472 SF				
OPEN SPACE	EE	HOA	4,232 SF				
OPEN SPACE	FF	HOA	4,232 SF				
OPEN SPACE	GG	HOA	1,472 SF				
OPEN SPACE	HH	HOA	1,472 SF				
OPEN SPACE	II	HOA	2,000 SF				
OPEN SPACE	JJ	HOA	1,472 SF				
OPEN SPACE	KK	HOA	1,472 SF				
OPEN SPACE	LL	HOA	669 SF				
OPEN SPACE	MM	HOA	1,472 SF				
OPEN SPACE	NN	HOA	931 SF				
INDIAN STREET (WEST)	ROAD	O	0.73 AC				
SANTIAGO DRIVE (WEST)	ROAD	P	0.26 AC				
SANTIAGO DRIVE (EAST)	ROAD	Q	0.73 AC				
CONTE ROADS	ROAD	R	0.73 AC				
NET			48.8 AC				
LOSSES			52.8 AC				

NOTE: ALL DENSITY CALCULATIONS ARE BASED ON GROSS ACREAGE.



**ENGINEER OF WORK**  
RICHARD C. O'NEILL, R.C.E. 63285  
**LAND SURVEYOR**  
WILLIAM ROHAL, L.S. 8805

**PRELIMINARY NOT FOR CONSTRUCTION**

DATE	BY	REVISIONS

**TYPICAL SECTION - INDIAN STREET**  
MINOR ARTERIAL (MVS1-105A-0) N.T.S.

**SANTIAGO DRIVE (WEST)**  
COLLECTOR (MVS1-106B-0) N.T.S.

**STREET L**  
MODIFIED COLLECTOR (MVS1-106B-0) N.T.S.

**BASIN DETAIL AT OUTLET**  
N.T.S.

**TYPICAL SECTION - GENTIAN AVENUE**  
MINOR ARTERIAL (MVS1-105A-0) MODIFIED FOR RAISED MEDIAN N.T.S.

**TYPICAL SECTION - INTERIOR STREETS**  
STREETS A, B, C, E, G, H, I, J, K, M, N, O N.T.S.

**BIO-RETENTION BASIN**  
N.T.S.

**LAND USE**

LAND USE	LOT NO. MAINTAINED BY # OF LOTS	AREA	LOT SIZE	DENSITY	MIN. SF	AVG. SF	
50X100 NEIGHBORHOOD	RESIDENTIAL 1-145	145	34.6 AC	50X100	4-2 DU/AC	5,000	6,291
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OPEN SPACE	AA	HOA	1,472 SF				
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OPEN SPACE	EE	HOA	4,232 SF				
OPEN SPACE	FF	HOA	4,232 SF				
OPEN SPACE	GG	HOA	1,472 SF				
OPEN SPACE	HH	HOA	1,472 SF				
OPEN SPACE	II	HOA	2,000 SF				
OPEN SPACE	JJ	HOA	1,472 SF				
OPEN SPACE	KK	HOA	1,472 SF				
OPEN SPACE	LL	HOA	669 SF				
OPEN SPACE	MM	HOA	1,472 SF				
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INDIAN STREET (WEST)	ROAD	O	0.73 AC				
SANTIAGO DRIVE (WEST)	ROAD	P	0.26 AC				
SANTIAGO DRIVE (EAST)	ROAD	Q	0.73 AC				
CONTE ROADS	ROAD	R	0.73 AC				
NET			48.8 AC				
LOSSES			52.8 AC				

NOTE: ALL DENSITY CALCULATIONS ARE BASED ON GROSS ACREAGE.

**CONCEPTUAL RAISED CROSSWALK**  
N.T.S.

**SANTIAGO DRIVE (EAST)**  
N.T.S.



# Appendix 3: Soils Information

*Geotechnical Study and Other Infiltration Testing Data*

Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A



Leighton and Associates, Inc.  
A LEIGHTON GROUP COMPANY

September 14, 2016  
Project No. 11427.001

MISSION PACIFIC LAND COMPANY  
4100 Newport Place, Suite 480  
Newport Beach, California 92660

Attention: Mr. Jason Keller, P.E.

**Subject: Results of Onsite Percolation Testing  
Proposed Storm Water Quality Basin, TTM 36760  
Moreno Valley, California**

References: Riverside County Flood Control District, Design Handbook for Low Impact Development Best Management Practices, dated September 2011.

Rick Engineering Company, 2016, Tentative Tract 36760, Planned Unit Development, dated March 8, 2016, revised July 26, 2016, 60-scale, 1 sheet.

In accordance with your request and authorization, Leighton and Associates, Inc. (Leighton) is pleased to present this percolation testing report for the proposed storm water basin located within Tract 36760. The proposed residential development (APNs 485-220-023, -032, -040) is located southeast of the intersection of Indian Street and Gentian Avenue in the City of Moreno Valley, California (See Figure 1, Site Location Map).

## **PURPOSE AND SCOPE OF WORK**

The purpose of our testing was to determine general infiltration rates of onsite soils, depth to bedrock and/or groundwater with respect to one proposed storm water quality basin location as depicted on the referenced plan. Services provided for this study consisted of the following:

- Drilling, sampling and logging of 1 exploratory deep boring in the area of the proposed storm water basin;
- Field testing of percolation tests in accordance with the procedures outlined in the above referenced County Design Handbook; and

- Compilation of this report that presents the results of our percolation/infiltration testing and laboratory test results.

## **SITE DESCRIPTION**

The overall site consists of approximately 53 acres of vacant relatively flat land. Based on the referenced basin plan (Rick Engineering), the proposed storm water quality basin will be located in the general area depicted on Figure 2. We understand that the planned basin will have a maximum depth of 0.5 to 2.5 feet BGS.

## **SUBSURFACE INVESTIGATION**

Our field investigation consisted of excavating 1 deep exploratory boring up to 21.5 feet deep and 5 percolation test holes (3 feet deep) on September 9, 2016. The boring and test holes were excavated utilizing a truck mounted CME 75 drill rig equipped with an 8-inch hollow-stem auger. The exploratory borings were continuously logged to a depth of deeper than 10 feet below bottom of the proposed basin. A geologist from our office logged and observed all excavations. The locations of the exploratory boring and percolation test holes are shown on Figure 2. The logs of the exploratory boring and percolation test holes are included in Appendix A.

## **SOILS AND GROUNDWATER CONDITIONS**

Based on the results of this study, the site is underlain by younger alluvial soil. The encountered younger alluvium is classified as loose to medium dense, silty sand (SM) with varying amounts of gravel. Groundwater was not encountered to the depth explored of 21.5 feet.

## **PERCOLATION TEST RESULTS**

Percolation tests were performed at the corresponding depths shown in table below. The percolation tests were performed in accordance with the procedures of Section 2.3 of the County Design Handbook referenced above. Results reported below are the most conservative reading in minutes per inch drop and converted to inches per hour per the Porchet method. Field test data are included in Appendix A.



**Summary of Percolation/Infiltration Test Results**

Test Hole #	Ex. Ground Surface Elev. (ft)	Depth BGS (ft)	Percolation Rate (min/in)	Infiltration Rate (in/hr)	Soil Description/Notes
P-1	1511.5	3	10.0	0.56	Silty Sand (SM) Younger Alluvium
P-2	1512.0	3	6.7	0.85	Silty Sand (SM) Younger Alluvium
P-3	1511.5	3	6.7	0.85	Silty Sand (SM) Younger Alluvium
P-4	1510.5	3	8.6	0.69	Silty Sand (SM) Younger Alluvium
P-5	1510.5	3	6.7	0.85	Silty Sand (SM) Younger Alluvium

**CONCLUSIONS AND RECOMMENDATIONS**


For preliminary design purposes, an infiltration rate of 0.56 in/hr may be used for the southeast basin.

**LIMITATIONS**


The above findings and recommendations are based on a general interpretation of soils conditions between test locations, utilizing contemporary engineering principles and practice. We make no other warranty, either expressed or implied. Please notify the engineer in the event conditions are encountered that are not reflected in this report.

If you have any question, please do not hesitate to contact this office. We appreciate this opportunity to be of service.

Respectfully submitted,  
LEIGHTON AND ASSOCIATES, INC.

  
Kenneth E. Cox, GE 2793  
Senior Project Engineer



  
Robert F. Riha, CEG 1921  
Vice President / Senior Principal Geologist



Attachments: Figure 1 – Site Location Map  
Figure 2 – Percolation Test Locations  
Appendix A – Perc Data Test Sheets & Log of Exploratory Borings

Distribution: (1) addressee (PDF copy via email)







Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

Project: 11427.001	Eng/Geol: KC/RFR
Scale: 1" = 2,000'	Date: September 2016
Base Map: ESRI ArcGIS Online 2016	
Thematic Information: Leighton	
Author: Leighton Geomatics (mmurphy)	

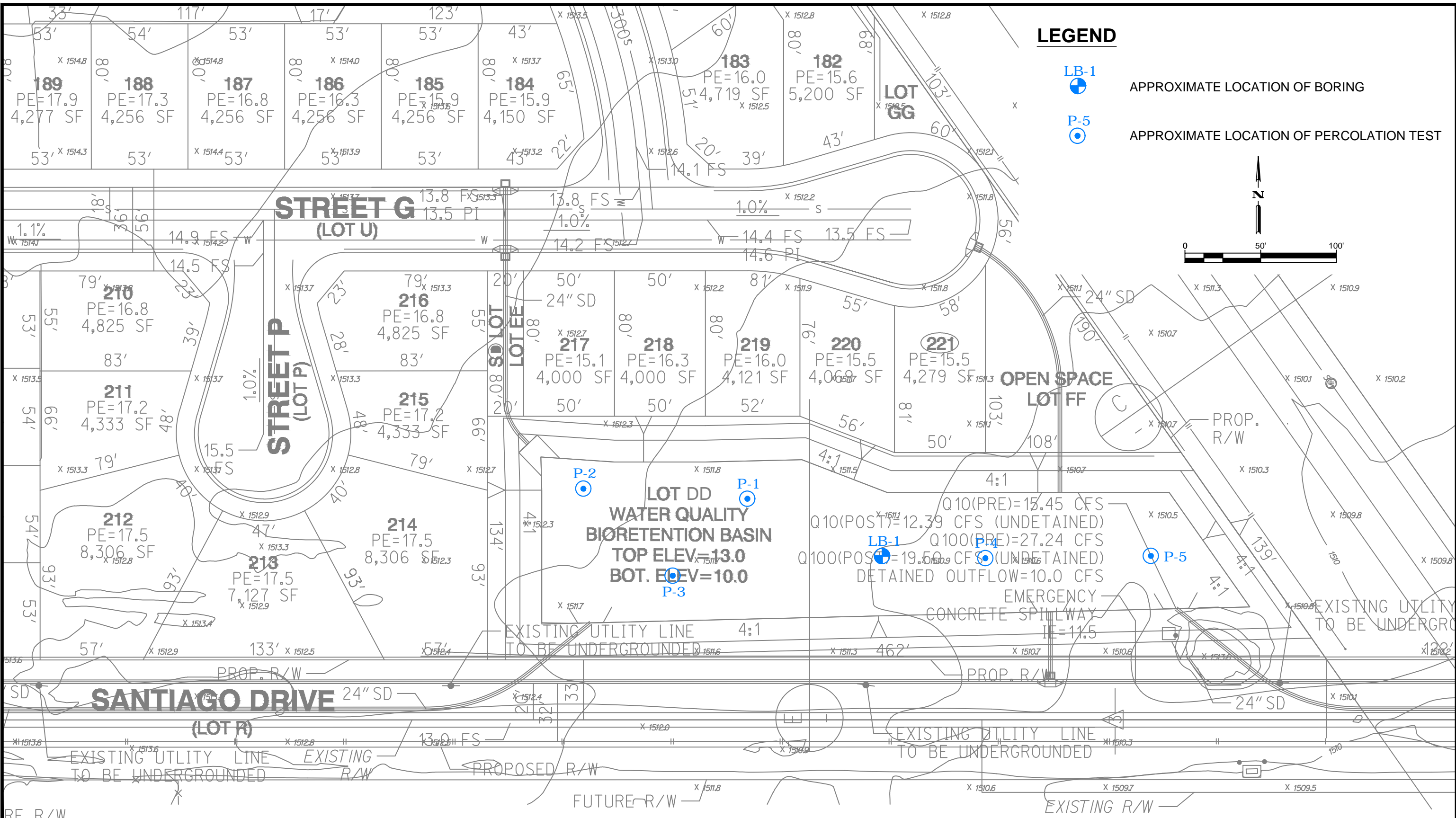
## SITE LOCATION MAP

Residential Development, Tentative Tract Map 36760  
 APNs: 485-220-023, 485-220-032, 485-220-040  
 Moreno Valley, California

Figure 1

Leighton





Proj: 11427.001	Geo/Eng: KEC/RF
Scale: 1"=50'	Date: September 2016
Reference:	

## BORING/PERCOLATION TEST LOCATION MAP

Residential Development, Tentative Tract Map 36760  
 APN's 485-220-023, 485-220-032, 485-220-040  
 Moreno Valley, California

Figure-2



PIKRAFTING\11427\01\CAD\2016-09-12\11427-01\_P02\_RL\_M\_2016-09-12.DWG (09-12-16 10:18:34AM) Plotted by: brm

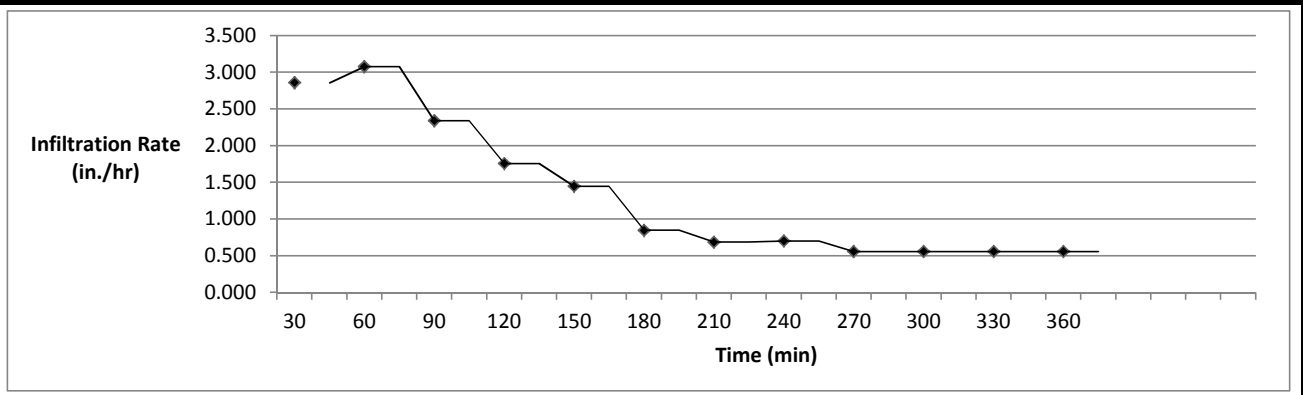


**APPENDIX A**


Percolation Data Sheets & Log of Exploratory Borings

<b>Test Hole Number:</b>	<b>P-1</b>	<b>Project</b>	<b>TTM 36760 Perc</b>	
<b>Date Excavated:</b>	<b>9/9/2016</b>	<b>Project Number</b>	<b>11427.001</b>	
<b>Tested by:</b>	<b>JTD</b>	<b>Date Tested</b>	<b>9/12/2016</b>	
<b>Soil Unit:</b>	<b>Alluvium (Qal)</b>	<b>Depth of Test Hole (in.)</b>	<b>36</b>	
<b>USCS Soil Type:</b>	<b>Brown Silty SAND</b>	<b>Diameter (in.)</b>	<b>8</b>	<b>Cloudy ~70 °</b>

Time	Δt (min)	Initial Water Depth (inches)	Final Water Depth (inches)	Change In Water Level (inches)	Infiltration/Percolation Rate	
					inches/hour*	minute/inch
9:28:00	10.00	14.50	19.50	5.00	2.857	2.000
9:38:00						
9:38:00	10.00	16.00	21.00	5.00	3.077	2.000
9:48:00						
9:48:00	10.00	15.50	19.50	4.00	2.341	2.500
9:58:00						
9:58:00	10.00	16.00	19.00	3.00	1.756	3.333
10:08:00						
10:08:00	10.00	16.00	18.50	2.50	1.446	4.000
10:18:00						
10:18:00	10.00	16.00	17.50	1.50	0.847	6.667
10:28:00						
10:28:00	10.00	15.50	16.75	1.25	0.686	8.000
10:38:00						
10:38:00	10.00	16.00	17.25	1.25	0.702	8.000
10:48:00						
10:48:00	10.00	16.00	17.00	1.00	0.558	10.000
10:58:00						
10:58:00	10.00	16.00	17.00	1.00	0.558	10.000
11:08:00						
11:08:00	10.00	16.00	17.00	1.00	0.558	10.000
11:18:00						
11:18:00	10.00	16.00	17.00	1.00	0.558	10.000
11:28:00						



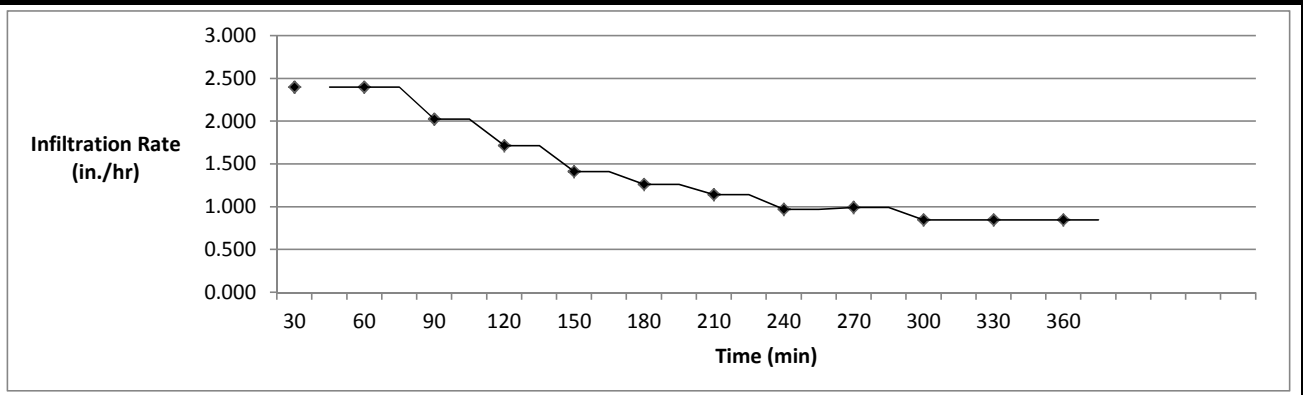
\* Based on Prochet Method

<b>Percolation Test Data</b>  <b>P- 1</b>	<b><u>Project Number:</u></b> 11427.001	
	<b><u>Project Name:</u></b> TTM 36760	
	<b><u>Date:</u></b> Sep-16	


Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

<b>Test Hole Number:</b>	<b>P-2</b>	<b>Project</b>	<b>TTM 36760 Perc</b>	
<b>Date Excavated:</b>	<b>9/9/2016</b>	<b>Project Number</b>	<b>11427.001</b>	
<b>Tested by:</b>	<b>JTD</b>	<b>Date Tested</b>	<b>9/12/2016</b>	
<b>Soil Unit:</b>	<b>Alluvium (Qal)</b>	<b>Depth of Test Hole (in.)</b>	<b>36</b>	
<b>USCS Soil Type:</b>	<b>Brown Silty SAND</b>	<b>Diameter (in.)</b>	<b>8</b>	<b>Cloudy ~70 °</b>

Time	Δt (min)	Initial Water Depth (inches)	Final Water Depth (inches)	Change In Water Level (inches)	Infiltration/Percolation Rate	
					inches/hour*	minute/inch
9:29:00	10.00	16.00	20.00	4.00	2.400	2.500
9:39:00						
9:39:00	10.00	16.00	20.00	4.00	2.400	2.500
9:49:00						
9:49:00	10.00	15.50	19.00	3.50	2.024	2.857
9:59:00						
9:59:00	10.00	15.50	18.50	3.00	1.714	3.333
10:09:00						
10:09:00	10.00	15.50	18.00	2.50	1.412	4.000
10:19:00						
10:19:00	10.00	15.50	17.75	2.25	1.263	4.444
10:29:00						
10:29:00	10.00	16.00	18.00	2.00	1.143	5.000
10:39:00						
10:39:00	10.00	15.50	17.25	1.75	0.971	5.714
10:49:00						
10:49:00	10.00	16.00	17.75	1.75	0.994	5.714
10:59:00						
10:59:00	10.00	16.00	17.50	1.50	0.847	6.667
11:09:00						
11:09:00	10.00	16.00	17.50	1.50	0.847	6.667
11:19:00						
11:19:00	10.00	16.00	17.50	1.50	0.847	6.667
11:29:00						

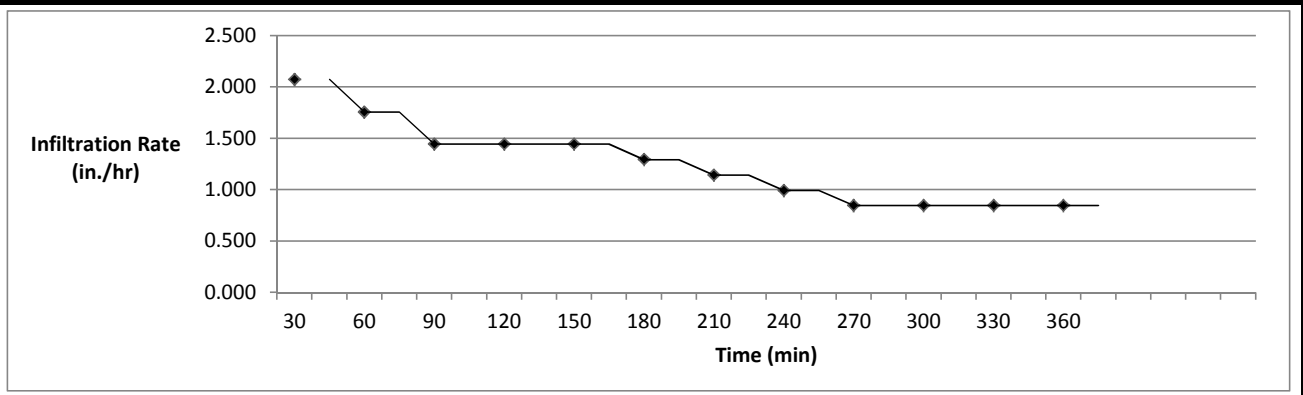


\* Based on Prochet Method


<b>Percolation Test Data</b>  <b>P-2</b>	<b><u>Project Number:</u></b> 11427.001	
	<b><u>Project Name:</u></b> TTM 36760	
	<b><u>Date:</u></b> Sep-16	

<b>Test Hole Number:</b>	<b>P-3</b>	<b>Project</b>	<b>TTM 36760 Perc</b>	
<b>Date Excavated:</b>	<b>9/9/2016</b>	<b>Project Number</b>	<b>11427.001</b>	
<b>Tested by:</b>	<b>JTD</b>	<b>Date Tested</b>	<b>9/12/2016</b>	
<b>Soil Unit:</b>	<b>Alluvium (Qal)</b>	<b>Depth of Test Hole (in.)</b>	<b>36</b>	
<b>USCS Soil Type:</b>	<b>Brown Silty SAND</b>	<b>Diameter (in.)</b>	<b>8</b>	<b>Cloudy ~70 °</b>

Time	Δt (min)	Initial Water Depth (inches)	Final Water Depth (inches)	Change In Water Level (inches)	Infiltration/Percolation Rate	
					inches/hour*	minute/inch
9:30:00	10.00	16.00	19.50	3.50	2.074	2.857
9:40:00						
9:40:00	10.00	16.00	19.00	3.00	1.756	3.333
9:50:00						
9:50:00	10.00	16.00	18.50	2.50	1.446	4.000
10:00:00						
10:00:00	10.00	16.00	18.50	2.50	1.446	4.000
10:10:00						
10:10:00	10.00	16.00	18.50	2.50	1.446	4.000
10:20:00						
10:20:00	10.00	16.00	18.25	2.25	1.293	4.444
10:30:00						
10:30:00	10.00	16.00	18.00	2.00	1.143	5.000
10:40:00						
10:40:00	10.00	16.00	17.75	1.75	0.994	5.714
10:50:00						
10:50:00	10.00	16.00	17.50	1.50	0.847	6.667
11:00:00						
11:00:00	10.00	16.00	17.50	1.50	0.847	6.667
11:10:00						
11:10:00	10.00	16.00	17.50	1.50	0.847	6.667
11:20:00						
11:20:00	10.00	16.00	17.50	1.50	0.847	6.667
11:30:00						

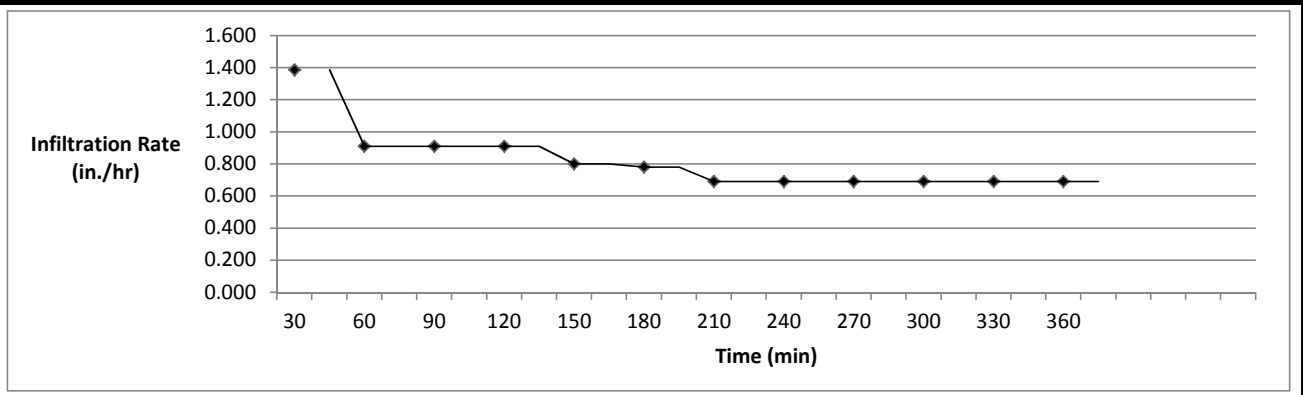


\* Based on Prochet Method


<b>Percolation Test Data</b>  <b>P-3</b>	<b><u>Project Number:</u></b> 11427.001	
	<b><u>Project Name:</u></b> TTM 36760	
	<b><u>Date:</u></b> Sep-16	

<b>Test Hole Number:</b>	<b>P-4</b>	<b>Project</b>	<b>TTM 36760 Perc</b>	
<b>Date Excavated:</b>	<b>9/9/2016</b>	<b>Project Number</b>	<b>11427.001</b>	
<b>Tested by:</b>	<b>JTD</b>	<b>Date Tested</b>	<b>9/12/2016</b>	
<b>Soil Unit:</b>	<b>Alluvium (Qal)</b>	<b>Depth of Test Hole (in.)</b>	<b>36</b>	
<b>USCS Soil Type:</b>	<b>Brown Silty SAND</b>	<b>Diameter (in.)</b>	<b>8</b>	<b>Cloudy ~70 °</b>

Time	Δt (min)	Initial Water Depth (inches)	Final Water Depth (inches)	Change In Water Level (inches)	Infiltration/Percolation Rate	
					inches/hour*	minute/inch
6:59:00	30.00	16.00	22.50	6.50	1.387	4.615
7:09:00						
7:09:00	30.00	16.00	20.50	4.50	0.911	6.667
7:19:00						
7:19:00	30.00	16.00	20.50	4.50	0.911	6.667
7:29:00						
7:29:00	30.00	16.00	20.50	4.50	0.911	6.667
7:39:00						
7:39:00	30.00	16.00	20.00	4.00	0.800	7.500
7:49:00						
7:49:00	30.00	15.50	19.50	4.00	0.780	7.500
7:59:00						
7:59:00	30.00	16.00	19.50	3.50	0.691	8.571
8:09:00						
8:09:00	30.00	16.00	19.50	3.50	0.691	8.571
8:19:00						
8:19:00	30.00	16.00	19.50	3.50	0.691	8.571
8:29:00						
8:29:00	30.00	16.00	19.50	3.50	0.691	8.571
8:39:00						
8:39:00	30.00	16.00	19.50	3.50	0.691	8.571
8:49:00						
8:49:00	30.00	16.00	19.50	3.50	0.691	8.571
8:59:00						



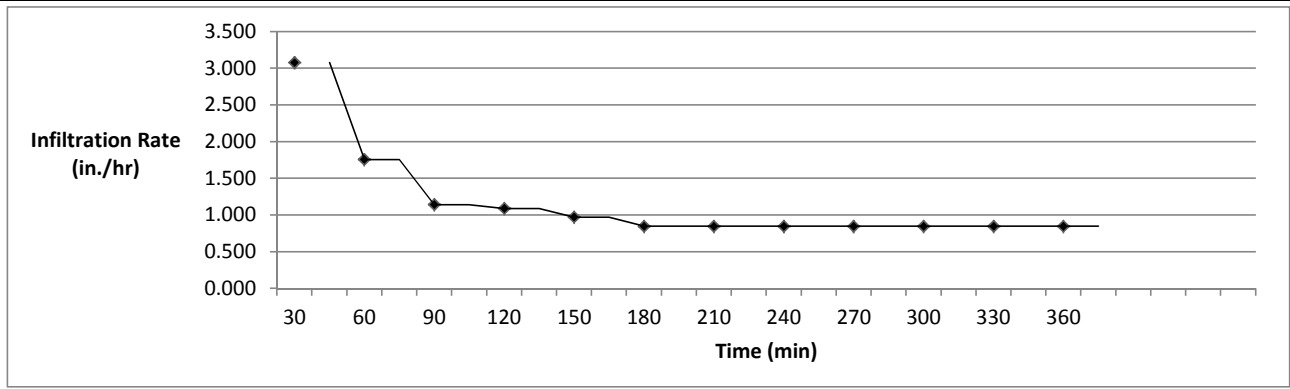
\* Based on Prochet Method

<b>Percolation Test Data</b>  <b>P-4</b>	<b><u>Project Number:</u></b> 11427.001	
	<b><u>Project Name:</u></b> TTM 36760	
	<b><u>Date:</u></b> Sep-16	


Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

<b>Test Hole Number:</b>	<b>P-5</b>	<b>Project</b>	<b>TTM 36760 Perc</b>	
<b>Date Excavated:</b>	<b>9/9/2016</b>	<b>Project Number</b>	<b>11427.001</b>	
<b>Tested by:</b>	<b>JTD</b>	<b>Date Tested</b>	<b>9/12/2016</b>	
<b>Soil Unit:</b>	<b>Alluvium (Qal)</b>	<b>Depth of Test Hole (in.)</b>	<b>36</b>	
<b>USCS Soil Type:</b>	<b>Brown Silty SAND</b>	<b>Diameter (in.)</b>	<b>8</b>	<b>Cloudy ~70 °</b>

Time	Δt (min)	Initial Water Depth (inches)	Final Water Depth (inches)	Change In Water Level (inches)	Infiltration/Percolation Rate	
					inches/hour*	minute/inch
7:00:00	10.00	16.00	21.00	5.00	3.077	2.000
7:10:00						
7:10:00	10.00	16.00	19.00	3.00	1.756	3.333
7:20:00						
7:20:00	10.00	16.00	18.00	2.00	1.143	5.000
7:30:00						
7:30:00	10.00	15.00	17.00	2.00	1.091	5.000
7:40:00						
7:40:00	10.00	15.50	17.25	1.75	0.971	5.714
7:50:00						
7:50:00	10.00	16.00	17.50	1.50	0.847	6.667
8:00:00						
8:00:00	10.00	16.00	17.50	1.50	0.847	6.667
8:10:00						
8:10:00	10.00	16.00	17.50	1.50	0.847	6.667
8:20:00						
8:20:00	10.00	16.00	17.50	1.50	0.847	6.667
8:30:00						
8:30:00	10.00	16.00	17.50	1.50	0.847	6.667
8:40:00						
8:40:00	10.00	16.00	17.50	1.50	0.847	6.667
8:50:00						
8:50:00	10.00	16.00	17.50	1.50	0.847	6.667
9:00:00						



\* Based on Prochet Method

<b>Percolation Test Data</b>  <b>P-5</b>	<b><u>Project Number:</u></b> 11427.001	
	<b><u>Project Name:</u></b> TTM 36760	
	<b><u>Date:</u></b> Sep-16	



# GEOTECHNICAL BORING LOG LB-1

E.1.ac

**Project No.** 11427.001  
**Project** TTM 36760 Perc  
**Drilling Co.** 2-R Drilling  
**Drilling Method** Hollow Stem Auger - 140lb - Autohammer - 30" Drop  
**Location** See Boring Location Map

**Date Drilled** 9-9-16  
**Logged By** JTD  
**Hole Diameter** 8"  
**Ground Elevation** ~1511'  
**Sampled By** JTD

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
		N S							This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.	
0		.						SM	<b>Quaternary Alluvium (Qa1);</b> SILTY SAND, brown, dry to moist, fine to coarse grained sand  becomes dark yellowish brown, moist	
5		.		S-1	12 11 11				becomes, medium dense, moist  becomes SILTY SAND with GRAVEL	
10		.		S-2	5 6 8				becomes SILTY SAND, dark grayish brown	
15		.		S-3	6 8 13					
20		.		S-4	5 7 7				becomes SILTY SAND with gravel, brown, fine to coarse grained sand with fine gravel	
25		.							Drilled to 21.5' Sampled to 21.5' Groundwater not encountered Backfilled with cuttings	
30		.								

**SAMPLE TYPES:**

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

**TYPE OF TESTS:**

- 200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL

- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE

- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH



Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

# GEOTECHNICAL BORING LOG P-1

E.1.ac

**Project No.** 11427.001  
**Project** TTM 36760 Perc  
**Drilling Co.** 2-R Drilling  
**Drilling Method** Hollow Stem Auger - 140lb - Autohammer - 30" Drop  
**Location** See Boring Location Map

**Date Drilled** 9-9-16  
**Logged By** JTD  
**Hole Diameter** 8"  
**Ground Elevation** ~1511.5'  
**Sampled By** JTD

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests																
	0	<table border="1" style="width: 100%; height: 100px;"> <tr> <td style="width: 50%; text-align: center;">N</td> <td style="width: 50%; text-align: center;">S</td> </tr> <tr> <td style="text-align: center;">•</td> <td style="text-align: center;">•</td> </tr> <tr> <td style="text-align: center;">•</td> <td style="text-align: center;">•</td> </tr> <tr> <td style="text-align: center;">•</td> <td style="text-align: center;">•</td> </tr> <tr> <td style="text-align: center;">•</td> <td style="text-align: center;">•</td> </tr> </table>	N	S	•	•	•	•	•	•	•	•		S-1	<table border="1" style="width: 100%; height: 100px;"> <tr> <td style="width: 50%;"></td> <td style="width: 50%; text-align: center;">6</td> </tr> <tr> <td style="width: 50%;"></td> <td style="width: 50%; text-align: center;">8</td> </tr> <tr> <td style="width: 50%;"></td> <td style="width: 50%; text-align: center;">8</td> </tr> </table>		6		8		8			SM	<p><i>This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.</i></p> <p><b>Quaternary Alluvium (Qa1):</b> SILTY SAND with GRAVEL, brown, dry to moist, fine to coarse grained sand with fine gravel becomes SILTY SAND, medium dense</p>	
N	S																									
•	•																									
•	•																									
•	•																									
•	•																									
	6																									
	8																									
	8																									
	5								<p>Drilled to 3' Sampled to 3' Groundwater not encountered Backfilled with cuttings</p>																	
	10																									
	15																									
	20																									
	25																									
	30																									

- |                      |                       |                        |                       |                    |                                    |
|----------------------|-----------------------|------------------------|-----------------------|--------------------|------------------------------------|
| <b>SAMPLE TYPES:</b> |                       |                        | <b>TYPE OF TESTS:</b> |                    |                                    |
| B BULK SAMPLE        | -200 % FINES PASSING  | DS DIRECT SHEAR        | SA SIEVE ANALYSIS     | SE SAND EQUIVALENT | UC UNCONFINED COMPRESSIVE STRENGTH |
| C CORE SAMPLE        | AL ATTERBERG LIMITS   | EI EXPANSION INDEX     | SG SPECIFIC GRAVITY   |                    |                                    |
| G GRAB SAMPLE        | CN CONSOLIDATION      | H HYDROMETER           |                       |                    |                                    |
| R RING SAMPLE        | CO COLLAPSE           | MD MAXIMUM DENSITY     |                       |                    |                                    |
| S SPLIT SPOON SAMPLE | CR CORROSION          | PP POCKET PENETROMETER |                       |                    |                                    |
| T TUBE SAMPLE        | CU UNDRAINED TRIAXIAL | RV R VALUE             |                       |                    |                                    |



Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

# GEOTECHNICAL BORING LOG P-2

E.1.ac

**Project No.** 11427.001  
**Project** TTM 36760 Perc  
**Drilling Co.** 2-R Drilling  
**Drilling Method** Hollow Stem Auger - 140lb - Autohammer - 30" Drop  
**Location** See Boring Location Map

**Date Drilled** 9-9-16  
**Logged By** JTD  
**Hole Diameter** 8"  
**Ground Elevation** ~1512'  
**Sampled By** JTD

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0	N S							This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.	
		.		S-1	7 7 7			SM	<b>Quaternary Alluvium (Qal):</b> SILTY SAND with GRAVEL, brown, dry to moist, fine to coarse grained sand with fine gravel becomes SILTY SAND, medium dense	
	5								Drilled to 3' Sampled to 3' Groundwater not encountered Backfilled with cuttings	
	10									
	15									
	20									
	25									
	30									

- |   |  |   |  |
|---|--|---|--|
| <b>SAMPLE TYPES:</b><br>B BULK SAMPLE<br>C CORE SAMPLE<br>G GRAB SAMPLE<br>R RING SAMPLE<br>S SPLIT SPOON SAMPLE<br>T TUBE SAMPLE | <b>TYPE OF TESTS:</b><br>-200 % FINES PASSING<br>AL ATTERBERG LIMITS<br>CN CONSOLIDATION<br>CO COLLAPSE<br>CR CORROSION<br>CU UNDRAINED TRIAXIAL | DS DIRECT SHEAR<br>EI EXPANSION INDEX<br>H HYDROMETER<br>MD MAXIMUM DENSITY<br>PP POCKET PENETROMETER<br>RV R VALUE | SA SIEVE ANALYSIS<br>SE SAND EQUIVALENT<br>SG SPECIFIC GRAVITY<br>UC UNCONFINED COMPRESSIVE STRENGTH |
|---|--|---|--|



Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

\*\*\* This log is a part of a report by Leighton and should not be used as a stand-alone document. \*\*\*

# GEOTECHNICAL BORING LOG P-3

**Project No.** 11427.001  
**Project** TTM 36760 Perc  
**Drilling Co.** 2-R Drilling  
**Drilling Method** Hollow Stem Auger - 140lb - Autohammer - 30" Drop  
**Location** See Boring Location Map

**Date Drilled** 9-9-16  
**Logged By** JTD  
**Hole Diameter** 8"  
**Ground Elevation** ~1511.5'  
**Sampled By** JTD

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0	N S							This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.	
	3	.		S-1	6			SM	<b>Quaternary Alluvium (Qal):</b> SILTY SAND with GRAVEL, brown, dry to moist, fine to coarse grained sand with fine gravel becomes SILTY SAND, loose, dark brown, moist, fine to coarse grained sand	
	5				3				Drilled to 3' Sampled to 3' Groundwater not encountered Backfilled with cuttings	
	10									
	15									
	20									
	25									
	30									

**SAMPLE TYPES:**

- B BULK SAMPLE
- C CORE SAMPLE
- G GRAB SAMPLE
- R RING SAMPLE
- S SPLIT SPOON SAMPLE
- T TUBE SAMPLE

**TYPE OF TESTS:**

- 200 % FINES PASSING
- AL ATTERBERG LIMITS
- CN CONSOLIDATION
- CO COLLAPSE
- CR CORROSION
- CU UNDRAINED TRIAXIAL

- DS DIRECT SHEAR
- EI EXPANSION INDEX
- H HYDROMETER
- MD MAXIMUM DENSITY
- PP POCKET PENETROMETER
- RV R VALUE

- SA SIEVE ANALYSIS
- SE SAND EQUIVALENT
- SG SPECIFIC GRAVITY
- UC UNCONFINED COMPRESSIVE STRENGTH



Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

# GEOTECHNICAL BORING LOG P-4

E.1.ac

Project No. 11427.001  
 Project TTM 36760 Perc  
 Drilling Co. 2-R Drilling  
 Drilling Method Hollow Stem Auger - 140lb - Autohammer - 30" Drop  
 Location See Boring Location Map

Date Drilled 9-9-16  
 Logged By JTD  
 Hole Diameter 8"  
 Ground Elevation ~1510.5'  
 Sampled By JTD

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	<b>SOIL DESCRIPTION</b>	Type of Tests
									This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.	
0		N S		S-1	8 8 9			SM	<b>Quaternary Alluvium (Qa1):</b> SILTY SAND with GRAVEL, brown, dry to moist, fine to coarse grained sand with fine gravel becomes SILTY SAND, medium dense, fine to coarse grained sand	
5									Drilled to 3' Sampled to 3' Groundwater not encountered Backfilled with cuttings	
10										
15										
20										
25										
30										

- |                      |                       |                        |                                    |
|----------------------|-----------------------|------------------------|------------------------------------|
| <b>SAMPLE TYPES:</b> |                       | <b>TYPE OF TESTS:</b>  |                                    |
| B BULK SAMPLE        | -200 % FINES PASSING  | DS DIRECT SHEAR        | SA SIEVE ANALYSIS                  |
| C CORE SAMPLE        | AL ATTERBERG LIMITS   | EI EXPANSION INDEX     | SE SAND EQUIVALENT                 |
| G GRAB SAMPLE        | CN CONSOLIDATION      | H HYDROMETER           | SG SPECIFIC GRAVITY                |
| R RING SAMPLE        | CO COLLAPSE           | MD MAXIMUM DENSITY     | UC UNCONFINED COMPRESSIVE STRENGTH |
| S SPLIT SPOON SAMPLE | CR CORROSION          | PP POCKET PENETROMETER |                                    |
| T TUBE SAMPLE        | CU UNDRAINED TRIAXIAL | RV R VALUE             |                                    |



Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

\*\*\* This log is a part of a report by Leighton and should not be used as a stand-alone document. \*\*\*

# GEOTECHNICAL BORING LOG P-5

E.1.ac

**Project No.** 11427.001  
**Project** TTM 36760 Perc  
**Drilling Co.** 2-R Drilling  
**Drilling Method** Hollow Stem Auger - 140lb - Autohammer - 30" Drop  
**Location** See Boring Location Map

**Date Drilled** 9-9-16  
**Logged By** JTD  
**Hole Diameter** 8"  
**Ground Elevation** ~1510.5'  
**Sampled By** JTD

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per 6 Inches	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	SOIL DESCRIPTION	Type of Tests
	0	N S							This Soil Description applies only to a location of the exploration at the time of sampling. Subsurface conditions may differ at other locations and may change with time. The description is a simplification of the actual conditions encountered. Transitions between soil types may be gradual.	
		.		S-1	5 4 4			SM	<b>Quaternary Alluvium (Qal):</b> SILTY SAND with GRAVEL, brown, dry to moist, fine to coarse grained sand with gravel to 1" becomes SILTY SAND, loose, very fine to medium grained sand	
	5								Drilled to 3' Sampled to 3' Groundwater not encountered Backfilled with cuttings	
	10									
	15									
	20									
	25									
	30									

- |                      |                       |                        |                                    |
|----------------------|-----------------------|------------------------|------------------------------------|
| <b>SAMPLE TYPES:</b> |                       | <b>TYPE OF TESTS:</b>  |                                    |
| B BULK SAMPLE        | -200 % FINES PASSING  | DS DIRECT SHEAR        | SA SIEVE ANALYSIS                  |
| C CORE SAMPLE        | AL ATTERBERG LIMITS   | EI EXPANSION INDEX     | SE SAND EQUIVALENT                 |
| G GRAB SAMPLE        | CN CONSOLIDATION      | H HYDROMETER           | SG SPECIFIC GRAVITY                |
| R RING SAMPLE        | CO COLLAPSE           | MD MAXIMUM DENSITY     | UC UNCONFINED COMPRESSIVE STRENGTH |
| S SPLIT SPOON SAMPLE | CR CORROSION          | PP POCKET PENETROMETER |                                    |
| T TUBE SAMPLE        | CU UNDRAINED TRIAXIAL | RV R VALUE             |                                    |



Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

\*\*\* This log is a part of a report by Leighton and should not be used as a stand-alone document. \*\*\*



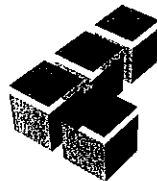
**PRELIMINARY GEOTECHNICAL INVESTIGATION,  
PROPOSED 104-ACRE RESIDENTIAL DEVELOPMENT,  
NORTHWEST OF PERRIS BOULEVARD AND IRIS AVENUE,  
CITY OF MORENO VALLEY, CALIFORNIA**

Prepared for:

**YOUNG HOMES**  
10370 Trademark Street  
Rancho Cucamonga, California 91730

Project No. 021164-001

June 9, 2004



**Leighton and Associates, Inc.**

A LEIGHTON GROUP COMPANY

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A



# Leighton and Associates, Inc.

A LEIGHTON GROUP COMPANY

June 9, 2004

Project No. 021164-001

To: Young Homes  
10370 Trademark Street  
Rancho Cucamonga, California 91730

Attention: Mr. Thomas Owen

Subject: Preliminary Geotechnical Investigation, Proposed 104-Acre Residential Development, Northwest of Perris Boulevard and Iris Avenue, City of Moreno Valley, California

In response to your request, Leighton and Associates, Inc. has conducted a preliminary geotechnical investigation of the proposed residential development to be located northwest of Perris Boulevard and Iris Avenue in the City of Moreno Valley, California. The purpose of our investigation has been to explore the subsurface conditions at the site, to evaluate the general soil characteristics, and to provide preliminary geotechnical recommendations for the design and construction of the proposed improvements.

Based upon our investigation, the proposed development is feasible from a geotechnical viewpoint, provided our recommendations are incorporated in the design and construction of the project. The following report presents our geotechnical findings, conclusions, and preliminary recommendations. Additional geotechnical investigation and analysis may be necessary, based on the actual development plans for submittal with the project grading plans.

We appreciate the opportunity to work with you on this project. If you have any questions, or if we can be of further service, please call us at your convenience.

Respectfully submitted,

LEIGHTON AND ASSOCIATES, INC.



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Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

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## 1.0 INTRODUCTION

### 1.1 Site Location and Project Description

The site is located northwest of Perris Boulevard and Iris Avenue in the City of Moreno Valley, California (see Figure 1, Site Location Map). The project area is bounded on the east by Perris Boulevard and the Home Depot shopping center, on the south by Iris Avenue, on the west by Indian Street and an elementary school, and on the north by vacant land. March Air Reserve Base is approximately one mile west. The East Branch California Aqueduct crosses the eastern portion of the site. The approximately 104-acre flat site is irregular in shape and is currently vacant. Vegetation consists of seasonal grasses, brush, and several scattered small trees.

Based on our review of historic aerial photographs, the site was used for agricultural purposes within the period of at least 1953 to 1980, and was otherwise vacant.

It is our understanding that the intended use of the site is a residential development. Although grading and construction plans are not yet available, we anticipate that minor cuts and fills will be required to attain the desired finish grades. We anticipate the one- and two-story single-family residences will be constructed. A parcel map provided by you was used as the base map for our Geotechnical Map, Figure 2 (rear of text).

### 1.2 Purpose of Investigation

The purpose of this study has been to evaluate the general geotechnical conditions at the site, to identify significant geotechnical or geologic issues that would impact site development, and to provide preliminary geotechnical recommendations for design and construction.

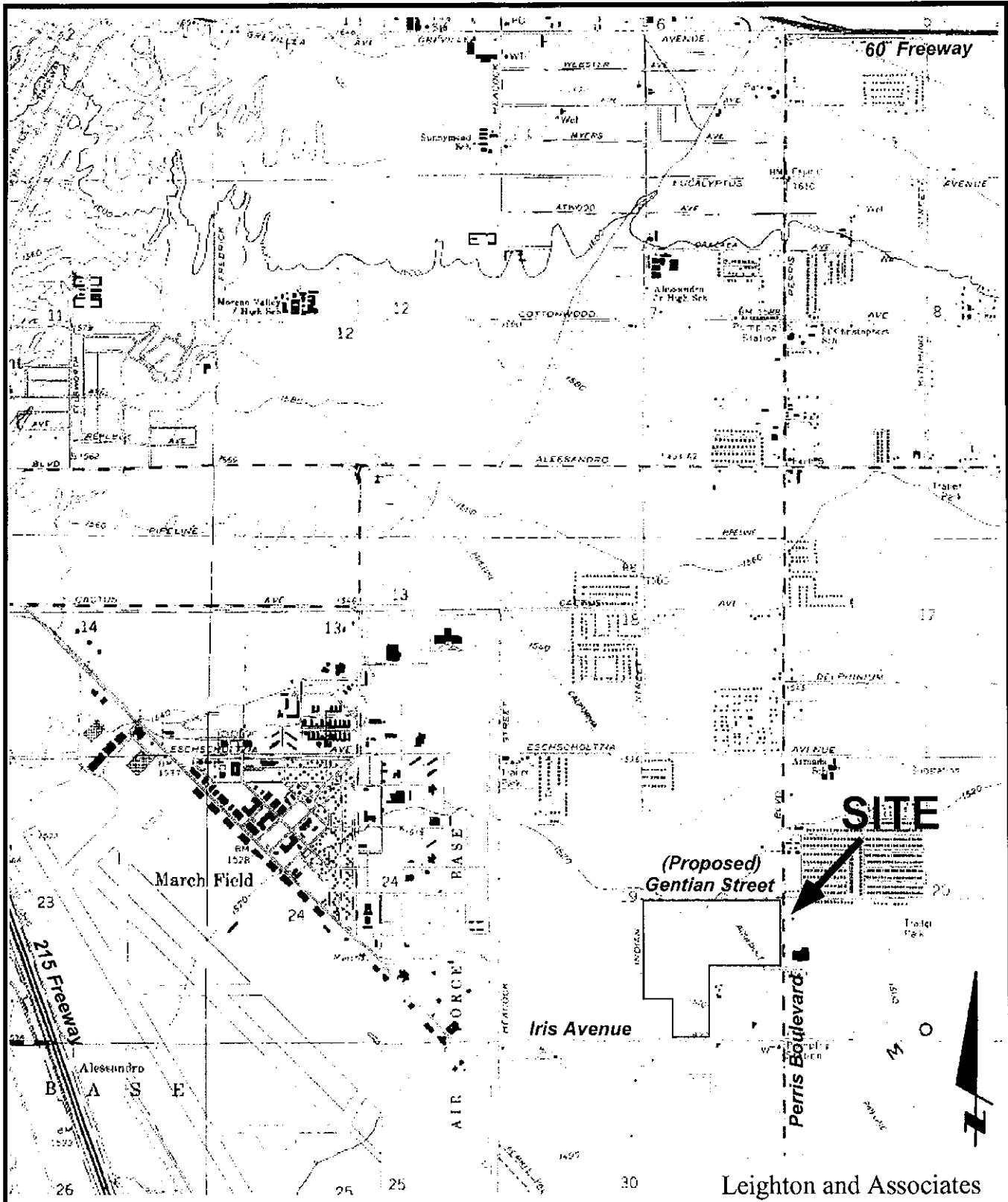
### 1.3 Scope of Investigation

The scope of our investigation has included the following tasks:

- Background Review - A background review of readily available, relevant, in-house geotechnical literature, and aerial photographs was performed.
- Pre-field Investigation Activities - Coordinated with Underground Service Alert (USA) to have existing underground utilities located and marked prior to our subsurface investigation.







**PROPOSED 104-ACRE RESIDENTIAL DEVELOPMENT**  
 NORTHWEST OF PERRIS BOULEVARD AND IRIS AVENUE,  
 City of Moreno Valley, California

**SITE LOCATION MAP**

PROJECT No.  
**021164-001**  
 DATE  
**June, 2004**



**Figure 1**

- Field Investigation - Our field investigation consisted of the excavation of borings and test pits as follows:

Borings

Eight hollow-stem auger borings were excavated, logged and sampled at representative locations within the site. One boring was excavated to a depth of 51.5 feet and seven borings were excavated to depths of 21.5 feet below the existing ground surface. Each boring was logged by a member of our technical staff. Relatively undisturbed soil samples were obtained at selected intervals within the borings using Standard Penetration Testing and a California Ring Sampler. Logs of the geotechnical borings are presented in Appendix B. Approximate boring locations are shown on the accompanying Geotechnical Map, Figure 2.

Test Pits

Eight backhoe test pits were excavated and logged at representative locations within the site to a maximum depth of 5.5 feet below the existing ground surface. Each test pit was logged by a member of our technical staff. Bulk soil samples were obtained from the test pits. Logs of the test pits are presented in Appendix C. Approximate test pit locations are shown on the accompanying Geotechnical Map, Figure 2.

- Laboratory Tests - Laboratory tests were conducted on selected relatively undisturbed and bulk soil samples obtained during our field investigation. The laboratory testing program was designed to evaluate the engineering characteristics of the onsite soil. Results of the laboratory testing are presented in Appendix D. The laboratory tests conducted during this investigation include:
  - In situ moisture content and dry density.
  - Sieve analysis for grain size distribution.
  - Consolidation and hydrocollapse characteristics.
  - Expansion Index.
  - Maximum dry density and optimum moisture content.
  - R-value for pavement recommendations.



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- Water-soluble sulfate concentration in the soil for cement type recommendations.
- Resistivity, chloride content and pH to evaluate corrosion potential.
- Engineering Analysis - The data obtained from our background review and field exploration was evaluated and analyzed in order to provide the conclusions and preliminary recommendations in the following sections.
- Report Preparation - The results of our geotechnical investigation have been summarized in this report, presenting our findings, conclusions and preliminary recommendations.



## 2.0 FINDINGS

### 2.1 Site Geology

The site is located in the Perris block of the Peninsular Ranges Geomorphic Province of southern California. The Perris block is a structural block bounded on the north by the San Jacinto Fault Zone (located 8 kilometers northeast of the site) and on the south by the Elsinore Fault Zone (located 29 kilometers southwest of the site). These faults have experienced significant activity in the recent geologic past. These and other northwest-trending right lateral strike slip faults dominate the structure of the Peninsular Ranges. Cretaceous igneous rocks of the Southern California Batholith underlie the Peninsular Ranges in this area. Locally, the site vicinity is underlain by older alluvial soil deposits of clay, silt, sand and gravel (SCGS, 1982; Morton, 1978). Bedrock outcrops of quartz diorite are present approximately  $\frac{3}{4}$  mile east of the site.

### 2.2 Subsurface Soil Conditions

Based upon our review of pertinent geotechnical literature, and our subsurface exploration, the site is underlain by alluvial soil deposits. The soil encountered during our subsurface exploration in the upper 15 feet generally consisted of loose to medium dense silty sand to gravelly sand and soft to stiff sandy silt. Below a depth of 15 feet, the soil generally consisted of stiff to very stiff sandy silt to clay. These soils were typically characterized as slightly moist to very moist to the depths excavated. Moisture contents in the upper 10 feet ranged from 2 to 10 percent.

### 2.3 Groundwater

Groundwater was not encountered in any of our borings performed during this investigation to a depth of 51.5 feet. Based on our review of regional groundwater data, groundwater is expected to be on the order of 120 to 140 feet below the ground surface in the site vicinity (CDWR, 2000). However, relatively shallow perched ground water may occur locally (WMWD, 2003).

### 2.4 Faulting and Seismicity

The two principal seismic considerations for most sites in southern California are surface rupture along active fault traces and damage to structures due to seismically-induced ground shaking. An active fault is one that has moved in the Holocene (last 11,000 years). The closest mapped active fault that could affect the site is the San Jacinto (San



Jacinto Valley) fault, located approximately 9 kilometers northeast of the site. The San Jacinto fault is capable of producing a maximum moment magnitude of 6.9 and an average slip rate of 12 millimeter per year (CDMG, 1998). Other known regional active faults that could affect the site include the San Jacinto (San Bernardino), San Andreas, Elsinore, Chino-Central Avenue and Cucamonga faults.

No traces of active or potentially active faults have been observed to cross the project site. The site is not within an Alquist-Priolo Earthquake Fault Zone (CDMG, 2000). The potential for fault ground rupture at the site is considered very low.

Peak Horizontal Ground Accelerations (PHGA) for the site were estimated using a deterministic seismic hazard analysis, based on currently available earthquake and fault information. The analysis computes the site PHGA that could be expected to result from an earthquake on a specific fault using the estimated maximum magnitude earthquake event. PHGA's were estimated using the EQFAULT computer program (Blake, 2000), based on the attenuation relationship by Sadigh et al. (1997). Based on the analysis, the San Jacinto (San Jacinto Valley) Fault Zone is potentially capable of producing the greatest PHGA at the site, due to its proximity, fault type, and its maximum earthquake magnitude of 6.9 ( $M_w$ ). It is estimated that such an earthquake on this fault near the site could produce seismic shaking with a PHGA of 0.32g.

The PHGA was also estimated using a probabilistic seismic hazard analysis. The computer program FRISKSP (Blake, 2000) was used for the analysis. Attenuation relationships used in the computer analysis were developed by Abrahamson and Silva (1997) for soil, Campbell (1997 and 2000) for alluvium, and Sadigh et al. (1997) for deep soil deposits. The analysis indicated an average value of 0.59g for peak horizontal ground acceleration (PHGA) with a 10 percent probability of exceedance in 50 years. The predominant magnitude is approximately 6.8 ( $M_w$ ) at a distance on the order of 10 kilometers.

## 2.5 Secondary Seismic Hazards

### Liquefaction Potential

Liquefaction is the loss of soil strength or stiffness due to a buildup of excess pore-water pressure during strong ground shaking. Liquefaction is associated primarily with loose (low density), granular, saturated soil. Effects of severe liquefaction can include sand boils, excessive settlement, bearing capacity failures, and lateral spreading.



The Generalized Liquefaction Map for Riverside County (2003) indicates the site is located in an area of shallow groundwater with sediments considered highly susceptible to liquefaction. Our exploratory borings indicate that moderately dense soil underlies the site. In addition, regional groundwater data indicates that shallow groundwater conditions do not exist locally, nor have they existed historically. Based on these findings, the potential for liquefaction appears to be low.

#### Seismically Induced Settlement

During a strong seismic event, seismically induced settlement can occur within loose to moderately dense, dry or saturated granular soil. Settlement caused by ground shaking can be nonuniformly distributed, resulting in differential settlement. We have performed analyses to estimate seismically-induced settlement using the simplified method set forth by Tokimatsu and Seed (1987).

Based on this preliminary study, the potential total settlement resulting from seismic loading is estimated to be approximately 1½ inches. Differential settlement resulting from seismic loading is generally assumed to be one-half of the total seismically induced settlement over a distance of 40 feet. Seismic settlement is not considered a geotechnical constraint to the project.

#### 2.6 Compressible and Collapsible Soil

Based on our investigation, the upper 5 to 15 feet of older alluvium is generally considered to be slightly to moderately compressible. Partial removal and recompaction of this material will be necessary to reduce the potential for excessive total and differential settlement of the proposed structures.

Hydrocollapse potential refers to the potential settlement of a soil under existing stresses upon being wetted. Representative samples of the upper 5 to 20 feet of the subsurface soil were tested for hydrocollapse potential. Test results indicate that the near-surface soil onsite has a negligible to minor hydrocollapse potential (1 percent or less).

#### 2.7 Expansive Soils

Representative samples of the subsurface soil were tested for expansion potential. Test results indicate an Expansion Index of 0 to 5. Based on these results and the relatively granular nature of the near-surface soil, the onsite soil generally has a very low expansion potential.





## 2.8 Sulfate Content

Water-soluble sulfates in soil can react adversely with concrete. However, concrete in contact with soil containing sulfate concentrations of less than 0.10 percent are considered to have negligible sulfate exposure (UBC, 1997 edition, Chapter 19).

Near-surface soil samples were tested during this investigation for soluble sulfate content. The results of these tests indicated sulfate contents of less than 0.01 percent by weight, indicating negligible sulfate exposure. As such, the soils exposed at pad grade are not expected to pose a significant potential for sulfate reaction with concrete.

## 2.9 Resistivity, Chloride and pH

Soil corrosivity to ferrous metals can be estimated by the soil's pH level, electrical resistivity, and chloride content. In general, soil having a minimum resistivity less than 2,000 ohm-cm is considered corrosive. Soil with a chloride content of 500 ppm or more is considered corrosive to ferrous metals.

As a screening for potentially corrosive soil, representative soil samples were tested during this investigation to determine minimum resistivity, chloride content, and pH level. The tests indicated a chloride content of 42 ppm, a pH value of approximately 7.0, and a minimum resistivity of 7,000 ohm-cm. Based on the test results, the onsite soil is considered mildly corrosive to buried ferrous metals.



### 3.0 CONCLUSIONS AND RECOMMENDATIONS

Based upon this study, the proposed improvements are feasible from a geotechnical standpoint. The recommendations presented below are preliminary. Additional geotechnical investigation and analysis may be necessary, based on the actual development plans for submittal with the project grading plans.

#### 3.1 General Earthwork and Grading

All grading should be performed in accordance with the General Earthwork and Grading Specifications presented in Appendix D, unless specifically revised or amended below or by future recommendations based on final development plans.

##### Site Preparation

Prior to construction, the site should be cleared of vegetation, trash, and debris. Trees should be removed and grubbed out, and the excavations should be backfilled with compacted fill. Any underground obstructions onsite should be removed. The resulting cavities should be properly backfilled and compacted. Efforts should be made to locate any existing utility lines. Those lines should be removed or rerouted if they interfere with the proposed construction, and the resulting cavities should be properly backfilled and compacted. In addition, any uncontrolled artificial fill, if encountered, should be removed.

##### Overexcavation and Recompaction

To reduce the potential for adverse differential settlement of the proposed structures, the underlying subgrade soil should be prepared in such a manner that a uniform response to the applied loads is achieved. The soil underneath conventional shallow footings should be overexcavated and recompacted to a minimum depth of 3 feet below the bottom of the proposed foundations for residential structures or 3 feet below the existing grade, whichever is deeper. The overexcavation and recompaction should extend a minimum lateral distance of 5 feet from the footings. Local conditions may require that deeper overexcavation be performed; such areas should be evaluated by Leighton and Associates during grading.

Areas outside the overexcavation limits of buildings planned for asphalt or concrete pavement, flatwork, site walls, and retaining walls (less than 6 feet in height), and areas to



receive fill should be overexcavated to a minimum depth of 12 inches below the existing ground surface or 12 inches below the proposed finish subgrade, whichever is deeper.

After completion of the overexcavation, and prior to fill placement, the exposed surfaces should be scarified to a minimum depth of 6 inches, moisture-conditioned to or slightly above optimum moisture content, and recompacted to a minimum 90 percent relative compaction.

Fill Placement and Compaction

The onsite soil is suitable for use as compacted structural fill, provided it is free of debris, and oversized material (greater than 8 inches in largest dimension). Any soil to be placed as fill, whether onsite or imported material, should be accepted by Leighton and Associates.

All fill soil should be placed in thin, loose lifts, moisture-conditioned, as necessary, to near optimum moisture content, and compacted to a minimum 90 percent relative compaction as determined by ASTM Test Method D1557. Aggregate base should be compacted to a minimum of 95 percent relative compaction.

Shrinkage and Subsidence

The change in volume of excavated and recompacted soil varies according to soil type and location. This volume change is represented as a percentage increase (bulking) or decrease (shrinkage) in volume of fill after removal and recompaction. Subsidence occurs as natural ground is moisture-conditioned and densified to receive fill. Field and laboratory data used in our calculations included laboratory-measured maximum dry densities for soil types encountered at the subject site and the measured in-place densities of soils encountered. We estimate the following earth volume changes will occur during grading:

Shrinkage	Approximately 15 percent
Subsidence	Approximately 0.15 foot

The level of fill compaction, variations in the dry density of the existing soils and other factors influence the amount of volume change. Some adjustments to earthwork volume should be anticipated during grading of the site.



### 3.2 Foundations

Based on our preliminary investigation and our experience in the region, conventional shallow or post-tensioned foundations may be used to support the loads of one- to two-story, frame-type structures. Overexcavation and recompaction of the footing subgrade soil should be performed as detailed in Section 3.1.

#### Conventional Shallow Foundations

Based on our preliminary investigation, the footings for 2-story structures should have an embedment depth of 18 inches, with a minimum width of 24 and 15 inches for isolated and continuous footings, respectively. The footings for 1-story residential structures should have an embedment depth of 12 inches, with a minimum width of 24 and 12 inches for isolated and continuous footings, respectively.

An allowable bearing capacity of 2,000 psf may be used for preliminary design, based on the minimum embedment depth and width. The allowable bearing value may be increased by 300 psf per foot increase in depth or width to a maximum allowable bearing pressure of 3,500 psf. The allowable bearing pressure is for the total dead load and frequently applied live loads.

The soil resistance available to withstand lateral loads on a shallow foundation is a function of the frictional resistance along the base of the footing and the passive resistance that may develop as the face of the structure tends to move into the soil. The frictional resistance between the base of the foundation and the subgrade soil may be computed using a coefficient of friction of 0.35. The passive resistance may be computed using an equivalent fluid pressure of 350 pounds per cubic foot (pcf), assuming there is constant contact between the footing and undisturbed soil.

The allowable bearing pressure and coefficient of friction values may be increased by one third when considering loads of short duration, such as those imposed by wind and seismic forces.

Footing reinforcement should be designed by the structural engineer.

The recommended allowable bearing capacity is generally based on a total allowable, post construction settlement of 1 inch. Differential settlement is estimated at ½ inch over a horizontal distance of 30 feet. Since settlement is a function of footing size and contact bearing pressure, differential settlement can be expected between adjacent columns or walls



where a large differential loading condition exists. These settlement estimates should be reevaluated by Leighton and Associates when foundation plans for the proposed structures become available.

### Post-Tensioned Foundations

As an alternative to conventional spread footings, post-tension foundation systems can be used. Post-tension slab foundations should be designed by the project structural engineer. The following table provides post-tension slab design information for soil with a low expansion potential. Post-tension slabs should be designed in accordance with Section 1816 of the current edition of the UBC.

<b>Post-Tension Foundation Design Recommendations</b>		
<b>Very Low Expansion</b>		
Edge Moisture Variation Distance, $e_m$	Center Lift	5.5 feet
	Edge Lift	3.0 feet
Differential Swell, $Y_m$	Center Lift	1.0 inch
	Edge Lift	0.4 inch
Modulus of subgrade Reaction		120 pci

Exterior footings (thickened edges) should have a minimum depth of 12 inches below the lowest adjacent soil grade and a minimum width of 12 inches. These footings may be designed for a maximum allowable bearing pressure of 2,000 pounds per square foot. The allowable bearing capacity may be increased by one-third for short-term loading.

These recommendations are based on preliminary data. Additional testing of the soil present near finish grade will be conducted to confirm the final foundation design information. Local agencies, the structural engineer or the Uniform Building Code may have requirements that are more stringent.

### 3.3 Slab-On-Grade

Concrete slabs subjected to special loads should be designed by the structural engineer. Where conventional light floor loading conditions exist, the following minimum recommendations, which are based on a very low soil expansion potential, should be used:



- A minimum slab thickness of 4 inches (nominal). Reinforcement steel should be design by the structural engineer, but as a minimum should be No. 3 rebar placed at 24 inches on center. Reinforcement should be supported on “chairs” to position the reinforcement within the middle third of the slab thickness.
- A moisture barrier consisting of 6-mil Visqueen (or equivalent) placed below slabs where moisture-sensitive floor coverings or equipment is planned. The moisture barrier should be covered with a minimum of 2 inches of sand.
- The subgrade soil should be moisture conditioned to at least optimum moisture content to a minimum depth of 12 inches prior to placing the moisture barrier, steel or concrete.

The use of reinforcement or post-tensioned cables in slabs and foundations can generally reduce the potential for concrete cracking. However, minor cracking of the concrete as it cures, due to drying and shrinkage, is normal and should be expected. However, cracking is often aggravated by a high water/cement ratio, high concrete temperature at the time of placement, small nominal aggregate size, and rapid moisture loss due to hot, dry, and/or windy weather conditions during placement and curing. Cracking due to temperature and moisture fluctuations can also be expected. The use of low slump concrete can reduce the potential for shrinkage cracking.

Moisture barriers can retard, but not eliminate moisture vapor movement from the underlying soils up through the slab. Floor covering manufacturers should be consulted for specific recommendations.

### 3.4 Seismic Design Parameters

Seismic parameters presented in this report should be considered during project design. In order to reduce the effects of ground shaking produced by regional seismic events, seismic design should be performed in accordance with the most recent edition of the Uniform Building Code (UBC). The following data should be considered for the seismic analysis of the subject site:





Seismic Design Parameters	
Seismic Source	San Jacinto (San Jacinto Valley) Fault
Distance	Approximately 9 km
Seismic Source Type (UBC, Table 16-U):	B
Seismic Zone Factor, Z (UBC, Table 16-I):	0.4
Soil Profile Type (UBC, 16-J):	S <sub>D</sub>
Near-Source Factor N <sub>a</sub> (UBC, Table 16-S):	1.0
Source Factor N <sub>v</sub> (UBC, Table 16-T):	1.04

### 3.5 Retaining Walls

We recommend that retaining walls be backfilled with onsite, very low expansive soil and constructed with a backdrain in accordance with the recommendations provided on Figure 3 (rear of text). Using expansive soil as retaining wall backfill will result in higher lateral earth pressures exerted on the wall. Based on these recommendations, the following parameters may be used for the design of conventional retaining walls up to 6 feet tall:

Static Equivalent Fluid Weight (pcf)	
Conditions	Level
Active	35
At-Rest	55
Passive	350 (Maximum of 3,500 psf)

The above values do not contain an appreciable factor of safety, so the structural engineer should apply the applicable factors of safety and/or load factors during design.

Cantilever walls that are designed to yield at least  $0.001H$ , where  $H$  is equal to the wall height, may be designed using the active condition. Rigid walls and walls braced at the top should be designed using the at-rest condition.

Passive pressure is used to compute soil resistance to lateral structural movement. In addition, for sliding resistance, a frictional resistance coefficient of 0.35 may be used at the concrete and soil interface. The lateral passive resistance should be taken into account only if it is ensured that the soil providing passive resistance, embedded against the foundation elements, will remain intact with time.



In addition to the above lateral forces due to retained earth, surcharge due to improvements, such as an adjacent structure or traffic loading, should be considered in the design of the retaining wall. Loads applied within a 1:1 projection from the surcharging structure on the stem of the wall should be considered in the design.

A soil unit weight of 120 pcf may be assumed for calculating the actual weight of the soil over the wall footing.

Retaining wall footings should have a minimum width of 12 inches and a minimum embedment of 12 inches below the lowest adjacent grade. An allowable bearing capacity of 2,000 psf may be used for retaining wall footing design, based on the minimum footing width and depth. This bearing value may be increased by 300 psf per foot increase in width or depth to a maximum allowable bearing pressure of 3,500 psf.

### 3.6 Pavement Design

A representative soil sample tested during this investigation had an R-value of 61. Based on the design procedures outlined in the current Caltrans Highway Design Manual, preliminary flexible pavement section recommendations are presented in the following table for the Traffic Indices indicated. Final pavement design should be based on the Traffic Index determined by the project civil engineer and R-value testing provided near the completion of street grading. These pavement sections meet the City of Moreno Valley's current minimum pavement requirements.

AC PAVEMENT SECTION THICKNESS		
Traffic Index	Asphaltic Concrete (AC) Thickness (feet)	Class 2 Aggregate Base (AB) Thickness (feet)
6 or less	0.30	.040
7	0.35	0.40

If the pavement is to be constructed prior to construction of the structures, we recommend that the full depth of the pavement section be placed in order to support heavy construction traffic.

All pavement construction should be performed in accordance with the Standard Specifications for Public Works Construction. Field inspection and periodic testing, as needed during placement of the base course materials, should be undertaken to ensure that the requirements of the standard specifications are fulfilled. Prior to placement of aggregate base, the subgrade soil should be processed to a minimum depth of 6 inches,



moisture-conditioned, as necessary, and recompact to a minimum of 90 percent relative compaction. Aggregate base should be moisture conditioned, as necessary, and compacted to a minimum of 95 percent relative compaction.

### 3.7 Temporary Excavations

All temporary excavations, including utility trenches, retaining wall excavations, etc. should be performed in accordance with project plans, specifications and all OSHA requirements.

No surcharge loads should be permitted within a horizontal distance equal to the height of cut or 5 feet, whichever is greater from the top of the slope, unless the cut is shored appropriately. Excavations that extend below an imaginary plane inclined at 45 degrees below the edge of any adjacent existing structure should be properly shored to maintain support of the structure.

Typical cantilever shoring should be designed based on the active fluid pressure presented in the retaining wall section. If excavations are braced at the top and at specific design intervals, the active pressure may then be approximated by a rectangular soil pressure distribution with the pressure per foot of width equal to  $22H$ , where  $H$  is equal to the depth of the excavation being shored.

During construction, the soil conditions should be regularly evaluated to verify that conditions are as anticipated. The contractor should be responsible for providing the "competent person" required by OSHA standards to evaluate soil conditions. Close coordination between the competent person and the geotechnical engineer should be maintained to facilitate construction while providing safe excavations.

### 3.8 Trench Backfill

Utility-type trenches onsite can be backfilled with the onsite material, provided it is free of debris, significant organic material and oversized material. Prior to backfilling the trench, pipes should be bedded and shaded in a granular material that has a sand equivalent of 30 or greater. The sand should extend 12 inches above the top of the pipe. The bedding/shading sand should be densified in-place by jetting. The native backfill should be placed in loose layers, moisture conditioned, as necessary, and mechanically compacted using a minimum standard of 90 percent relative compaction.



### 3.9 Surface Drainage

Surface drainage should be designed to be directed away from foundations and toward approved drainage devices. Irrigation of landscaping should be controlled to maintain, as much as possible, a consistent moisture content sufficient to provide healthy plant growth without overwatering.

### 3.10 Cement Type and Corrosion Protection

Based on the results of laboratory testing, concrete structures in contact with the onsite soil will have negligible exposure to water-soluble sulfates in the soil. Common Type II cement may be used for concrete construction onsite and the concrete should be designed in accordance with Table 19-A-4 of the Uniform Building Code.

Based on our laboratory testing, the onsite soil is considered mildly corrosive to ferrous metals. The corrosion information presented in this report should be provided to your underground utility subcontractors.

### 3.11 Additional Geotechnical Investigation and Services

The preliminary geotechnical recommendations presented in this report are based on subsurface conditions as interpreted from limited subsurface explorations and limited laboratory testing. Our preliminary geotechnical recommendations provided in this report are based on information available at the time the report was prepared and may change as plans are developed. Additional geotechnical investigation and analysis may be required based on final development plans. Leighton and Associates should review the site and grading plans when available and comment further on the geotechnical aspects of the project. Geotechnical observation and testing should be conducted during excavation and all phases of grading operations. The conclusions and preliminary recommendations presented herein should be reviewed and verified by Leighton and Associates during construction and revised accordingly if geotechnical conditions encountered vary from our preliminary findings and interpretations. Geotechnical observation and testing should be provided:

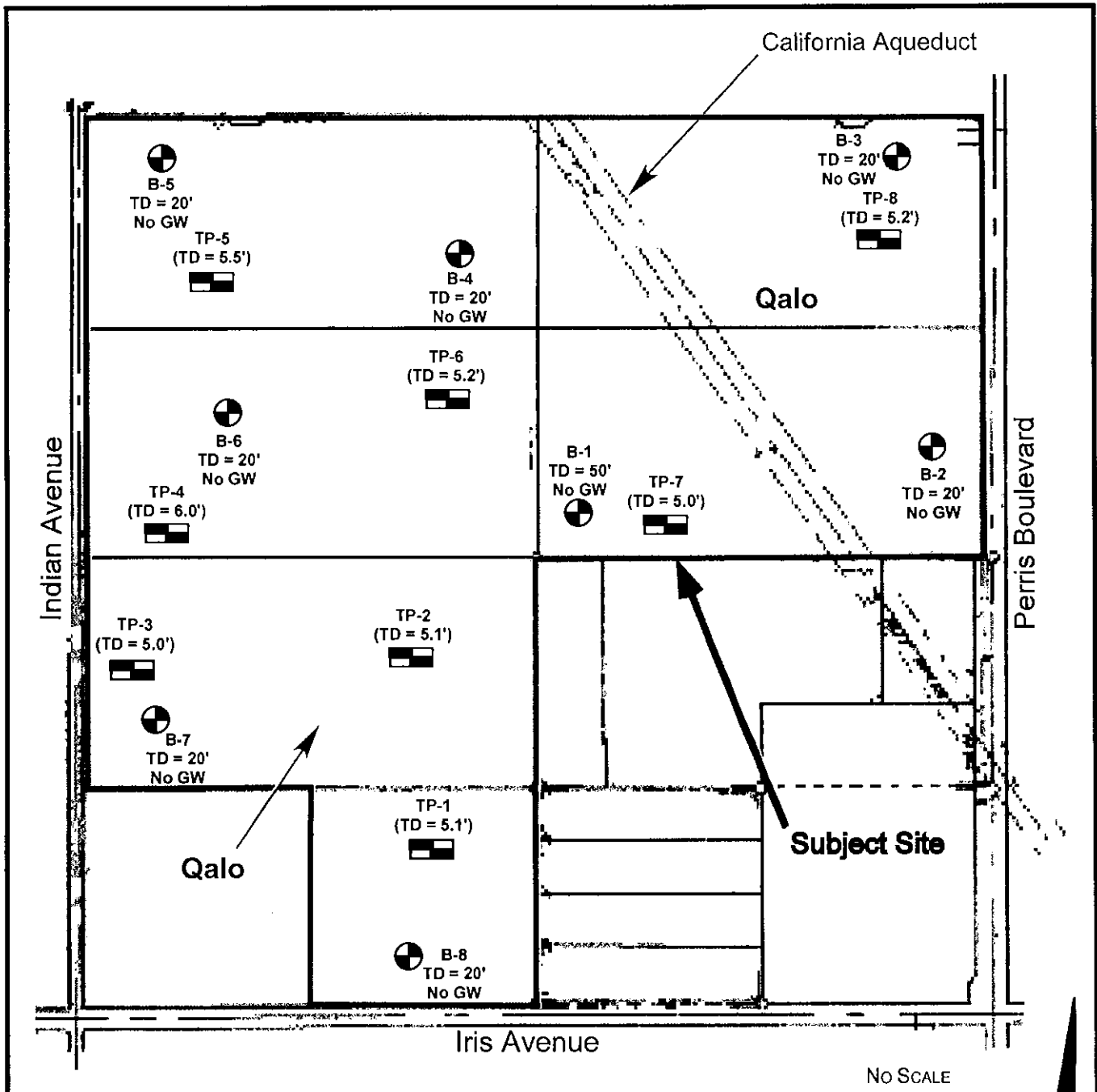
- After completion of site clearing.
- During overexcavation of compressible soil.
- During compaction of all fill materials.





021164-001

- After excavation of all footings and prior to placement of concrete.
- During utility trench backfilling and compaction.
- During pavement subgrade and base preparation.
- When any unusual conditions are encountered.





**LEGEND:**

-  TP-8 Approximate Test Pit Location  
TD = 5.8' Total Depth of Test Pit
-  B-8 Approximate Boring Location  
TD = 20' Total Depth of Boring  
No GW No Groundwater Encountered

**Qalo** Older alluvial soil deposits

**PROPOSED 104-ACRE RESIDENTIAL DEVELOPMENT**  
NORTHWEST OF PERRIS BOULEVARD AND IRIS AVENUE,  
City of Moreno Valley, California

**GEOTECHNICAL MAP**

PROJECT No.  
021164-001  
DATE  
June, 2004



Figure 2



## APPENDIX A

References

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#### Aerial Photographs Reviewed

<u>Date</u>	<u>Flight</u>	<u>Frame</u>	<u>Agency</u>
10/16/1959	R 10165 9	33 and 34	RCFCD
5/24/1974	RCFC 74	234	RCFCD
2/7/1984	RCFC 83	1341	RCFCD



# GEOTECHNICAL BORING LOG B-1

Date 3-31-04 Sheet 1 of 2  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
									Logged By <u>RSB</u> Sampled By <u>RSB</u>
	0	N S							<b>ALLUVIUM (Qa)</b>
	2			R-1	5	116.2	10.8	ML	2': TOP: Sandy SILT, yellow brown, slightly moist, soft, fine to medium sand, trace gravel up to 1/16" diameter BOTTOM: Sandy SILT, dark brown, very moist, soft, fine to coarse sand, trace gravel up to 1/16" diameter
	5			R-2	7			SM	5': Silty SAND, dark brown, very moist, loose, fine to coarse sand, trace gravel up to 1/8" diameter
	10			R-3	15	105.7	1.8	SW	10': Gravelly SAND, well graded, light yellow brown, moist to very moist, loose, fine to coarse sand, trace gravel up to 1/4" diameter
	15			R-4	22	124.2	11.2	ML	15': Sandy SILT/Clayey SILT, dark brown, very moist, stiff, fine to medium sand, trace gravel up to 1/8" diameter
	20			S-1	13			CL	20': Sandy CLAY/Silty CLAY, dark brown, very moist, medium stiff to stiff, fine to medium sand
	25			S-2	11			CL	25': Silty CLAY, dark brown, very moist, medium stiff, trace fine sand
	30								

**SAMPLE TYPES:**  
 S SPLIT SPOON                      G GRAB SAMPLE  
 R RING SAMPLE                      SH SHELBY TUBE  
 B BULK SAMPLE  
 T TUBE SAMPLE



## LEIGHTON AND ASSOCIATES, INC.

Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

# GEOTECHNICAL BORING LOG B-1

Date 3-31-04 Sheet 2 of 2  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
		N S							Logged By <u>RSB</u> Sampled By <u>RSB</u>
30		•••••		S-3	13			SM ML	30': TOP: Silty SAND, yellow brown, very moist, loose, fine sand BOTTOM: Sandy SILT, yellow brown, very moist, medium stiff to stiff, fine to medium sand, trace gravel up to 1/8" diameter
35		▨▨▨▨▨		S-4	12			ML CL	35': TOP: Sandy SILT, yellow brown, very moist, medium stiff, fine to medium sand, trace gravel up to 1/16" diameter BOTTOM: Sandy CLAY/Silty CLAY, dark brown, very moist, medium stiff, fine to medium sand, trace gravel up to 1/16" diameter
40		•••••		S-5	14			ML	40': Sandy SILT, yellow brown, very moist, stiff, fine to medium sand, trace gravel up to 1/16" diameter
45		•••••		S-6	27			SM ML	45': TOP: Silty SAND, yellow brown, moist, medium dense, fine to coarse sand, some gravel up to 1/4" diameter BOTTOM: Sandy SILT, yellow brown, moist, very stiff, fine to medium sand, trace gravel up to 1/8" diameter
50		•••••		S-2	19			ML	50': TOP: Sandy SILT, yellow brown, very moist, stiff, fine to medium sand, trace gravel up to 1/8" diameter BOTTOM: SILT, dark yellow brown, very moist, stiff, some fine
55									Total Depth 50 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil
60									

SAMPLE TYPES:  
 S SPLIT SPOON                      G GRAB SAMPLE  
 R RING SAMPLE                      SH SHELBY TUBE  
 B BULK SAMPLE  
 T TUBE SAMPLE



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# GEOTECHNICAL BORING LOG B-2

Date 3-31-04 Sheet 1 of 1  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
									Logged By <u>RSB</u> Sampled By <u>RSB</u>
	0	N							<b>ALLUVIUM (Oal)</b>
	2	S		R-1	8	117.6	5.4	SM ML	2': TOP: Silty SAND, light yellow brown, slightly moist, loose, fine to medium sand, trace gravel up to 1/4" diameter, rootlets BOTTOM: Sandy SILT, dark brown, very moist, medium stiff, fine to coarse sand, trace gravel up to 1/4" diameter
	5			R-2	11			ML SM	5': TOP: Sandy SILT, dark brown, very moist, medium stiff, fine to medium sand, trace gravel up to 1/4" diameter BOTTOM: Silty SAND, dark yellow brown, very moist, loose, fine to coarse sand, trace gravel up to 1/4" diameter
	7			R-3	14	105.3	1.4	SW	7': Gravelly SAND, well graded, light yellow brown, moist to very moist, loose, fine to coarse sand, gravel up to 1" diameter
	10			R-4	21	124.7	8.4	SW SM	10': TOP: Gravelly SAND, well graded, light yellow brown, moist to very moist, medium dense, fine to coarse sand, gravel up to 1/2" diameter BOTTOM: Silty SAND, dark brown, very moist, medium dense, fine to coarse sand, trace gravel up to 1/4" diameter
	15			R-5	35	127.5	10.3	ML CL	15': TOP: Sandy SILT, dark brown, very moist, very stiff, fine to medium sand, trace gravel up to 1/8" diameter BOTTOM: Silty CLAY/Sandy CLAY, dark brown, very moist, very stiff, some fine sand, trace gravel up to 1/8" diameter
	20			R-6	25			SM	20': Silty SAND, yellow brown, very moist, medium dense, fine to coarse sand, gravel up to 1/4" diameter
	25								Total Depth 20 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil
	30								

SAMPLE TYPES:  
 S SPLIT SPOON                      G GRAB SAMPLE  
 R RING SAMPLE                      SH SHELBY TUBE  
 B BULK SAMPLE  
 T TUBE SAMPLE



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# GEOTECHNICAL BORING LOG B-3

Date 3-31-04 Sheet 1 of 1  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
	0	N S							Logged By <u>RSB</u> Sampled By <u>RSB</u>
	5	[Dotted pattern]		R-1	18	107.9	4.2	ML	<u>ALLUVIUM (Oal)</u> 2': Sandy SILT, dark yellow brown, slightly moist, stiff, fine to medium sand, trace gravel up to 1/8" diameter, porosity 3%, rootlets
	10	[Diagonal hatching]		R-2	12			SM	5': Silty SAND, yellow brown, slightly moist to moist, loose, fine to medium sand, trace gravel up to 1/4" diameter
	15	[Diagonal hatching]		R-3	17			CL	10': Sandy CLAY/Silty CLAY, dark brown, very moist, stiff, some fine sand, trace gravel up to 1/8" diameter
	20	[Dotted pattern]		S-1	17			ML	15': Sandy SILT, dark brown, moist to very moist, stiff, fine to medium sand
	25	[Dotted pattern]		S-2	8			SM	20': Silty SAND, yellow brown, very moist, loose, fine to coarse sand, some gravel up to 1/4" diameter
	30								Total Depth 20 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil

**SAMPLE TYPES:**

- S SPLIT SPOON
- R RING SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE
- G GRAB SAMPLE
- SH SHELBY TUBE



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# GEOTECHNICAL BORING LOG B-4

Date 3-31-04 Sheet 1 of 1  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
		N S							Logged By <u>RSB</u> Sampled By <u>RSB</u>
0				R-1	15	116.6	2.7	SW	<u>ALLUVIUM (Qal)</u> 2': Gravelly SAND, well graded, yellow brown, slightly moist to moist, loose, fine to coarse sand, gravel up to 1/4" diameter
5			R-2	10	103.5	1.1	SW	5': Gravelly SAND, well graded, yellow brown, slightly moist to moist, loose, fine to coarse sand, gravel up to 1/2" diameter	
10			R-3	16	103.5	1.6	SW	7': Gravelly SAND, well graded, yellow brown, slightly moist, loose, fine to coarse sand, gravel up to 1/2" diameter	
15			R-5	33			SM	15': Silty SAND, dark brown, very moist, medium dense, fine to coarse sand, trace gravel up to 1/4" diameter	
20			R-6	36			ML CL	20': TOP: Sandy SILT/Clayey SILT, dark brown, very moist to wet, very stiff, fine to medium sand, trace gravel up to 1/4" diameter BOTTOM: Sandy CLAY/Silty CLAY, dark red brown, very moist, very stiff, fine to medium sand, trace gravel up to 1/4" diameter	
25									Total Depth 20 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil
30									

**SAMPLE TYPES:**

- S SPLIT SPOON
- R RING SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE
- G GRAB SAMPLE
- SH SHELBY TUBE



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Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

# GEOTECHNICAL BORING LOG B-5

Date 3-31-04 Sheet 1 of 1  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
		N S							Logged By <u>RSB</u> Sampled By <u>RSB</u>
0									<b>ALLUVIUM (Qal)</b>
	5			R-1	8	109.5	6.8	ML	2': Sandy SILT, dark brown, very moist, medium stiff, fine to coarse sand, trace gravel up to 1/8" diameter
	10			R-2	10			SM	5': Silty SAND, yellow brown, highly moist, loose, fine to medium sand, trace gravel up to 1/4" diameter
	15			R-3	22			SW	10': SAND, well graded, light brown, very moist, medium dense, fine to coarse sand, gravel up to 1/8" diameter, some fines
	20			S-1	13			SM	15': Silty SAND, dark brown, very moist to wet, loose, fine to medium sand, trace gravel up to 1/8" diameter
	25			S-2	50/3"			CL	20': Sandy CLAY/Silty CLAY, dark brown, very moist, hard, fine to medium sand, some black stain
	30								Total Depth 20 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil

**SAMPLE TYPES:**

- S SPLIT SPOON
- R RING SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE
- G GRAB SAMPLE
- SH SHELBY TUBE



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# GEOTECHNICAL BORING LOG B-6

Date 3-31-04 Sheet 1 of 1  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
		N S							Logged By <u>RSB</u> Sampled By <u>RSB</u>
0									<u>ALLUVIUM (Qal)</u>
	5			R-1	12	112.0	4.3	ML	2': Sandy SILT, yellow brown, slightly moist to moist, medium stiff, fine to medium sand, trace gravel up to 1/8" diameter
	5			R-2	22	114.7	1.7	SM	5': Silty SAND, yellow brown, slightly moist to dry, medium dense, fine to coarse sand, with gravel up to 1/4" diameter
	5			R-3	13			SW	7': Gravelly SAND, well graded, yellow brown, slightly moist to dry, loose, fine to coarse sand, gravel up to 1/4" diameter
10				R-4	31	117.7	5.3	ML	10': Sandy SILT, dark brown, moist to very moist, very stiff, fine sand
15				R-5	20			ML SM	15': TOP: Sandy SILT, dark brown, moist to very moist, stiff, fine to medium sand, trace gravel up to 1/8" diameter BOTTOM: Silty SAND, dark brown, very moist, medium dense, fine to medium sand, trace gravel up to 1/8" diameter
20				R-6	23			SW CL	20': TOP: Gravelly SAND, well graded, dark yellow brown, very moist, medium dense, fine to coarse sand, gravel up to 1/2" diameter BOTTOM: Silty CLAY, olive brown, very moist, stiff, trace fine sand
25									Total Depth 20 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil
30									

**SAMPLE TYPES:**  
 S SPLIT SPOON  
 R RING SAMPLE  
 B BULK SAMPLE  
 T TUBE SAMPLE

G GRAB SAMPLE  
 SH SHELBY TUBE



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# GEOTECHNICAL BORING LOG B-7

Date 3-31-04 Sheet 1 of 1  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
		N S							Logged By <u>RSB</u> Sampled By <u>RSB</u>
0				R-1	13	120.7	3.4	SM	<u>ALLUVIUM (Oal)</u> 2': Silty SAND, dark brown, moist, loose, fine to coarse sand, with gravel up to 1/8" diameter
5	R-2		11	109.9	1.6	SW	5': Gravelly SAND, well graded, yellow brown, very moist, loose, fine to coarse sand, gravel up to 1/4" diameter, some fines		
10	R-3		19			SW	10': Gravelly SAND, well graded, light yellow brown, slightly moist to moist, medium dense, fine to coarse sand, gravel up to 1/2" diameter		
15	S-1		13			CL	15': CLAY, dark brown, very moist, medium stiff to stiff, some silt, trace fine sand		
20	S-2		17			CL	20': Silty CLAY, dark brown, very moist, stiff, some fine sand		
25									Total Depth 20 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil
30									

**SAMPLE TYPES:**

- S SPLIT SPOON
- R RING SAMPLE
- B BULK SAMPLE
- T TUBE SAMPLE
- G GRAB SAMPLE
- SH SHELBY TUBE



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# GEOTECHNICAL BORING LOG B-8

Date 3-31-04 Sheet 1 of 1  
 Project Young Homes Moreno Valley Project No. 021164-001  
 Drilling Co. Redman Drilling Type of Rig Hollow Stem Auger  
 Hole Diameter 8 inches Drive Weight 140 pounds Automatic Hammer Drop 30"  
 Elevation Top of Hole \_\_\_\_\_ Location See Boring Location Map

Elevation Feet	Depth Feet	Graphic Log	Attitudes	Sample No.	Blows Per Foot	Dry Density pcf	Moisture Content, %	Soil Class. (U.S.C.S.)	DESCRIPTION
		N S							Logged By <u>RSB</u> Sampled By <u>RSB</u>
0				R-1	13	115.7	2.6	SM	<u>ALLUVIUM (Qa)</u> 2': Silty SAND, yellow brown, slightly moist, loose, fine sand, trace gravel up to 1/8" diameter
5				R-2	13	114.4	1.6	SW	5': Gravelly SAND, well graded, yellow brown, slightly moist, loose, fine to coarse sand, gravel up to 1/4" diameter, trace fines
				R-3	11			SP	7': SAND, poorly graded, yellow brown, slightly moist to moist, loose, fine to medium sand, trace gravel up to 1/8" diameter, trace fines
10				R-4	18			SM	10': Silty SAND, dark yellow brown, very moist, medium dense, fine sand, trace gravel up to 1/8" diameter
15				R-5	20			SW	15': TOP: Gravelly SAND, yellow brown, very moist, medium dense, fine to coarse sand, gravel up to 1/8" diameter
								CL	BOTTOM: Silty CLAY, dark brown, very moist to wet, stiff
20				R-6	23			CL	20': CLAY, dark brown, very moist to wet, stiff, some fine sand, trace gravel up to 1/16" diameter
25									Total Depth 20 feet No Groundwater encountered No Bedrock encountered Boring Backfilled with Native Soil
30									

SAMPLE TYPES:  
 S SPLIT SPOON                      G GRAB SAMPLE  
 R RING SAMPLE                      SH SHELBY TUBE  
 B BULK SAMPLE  
 T TUBE SAMPLE



## LEIGHTON AND ASSOCIATES, INC.

Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

**Young Homes / Moreno Valley**  
**Project No. 021164-001**

Logged by: MM
Sampled by: MM

**Test Pit TP-1**

Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results		
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry)pcf
0	1.1	SM	Silty SAND, light gray brown, dry, dense, fine to medium grain sand, rootlets (tilled)	Afu			
1.1	2.6	SM	Silty SAND, dark brown, slightly moist, medium dense, fine to coarse grain sand, porous to 1% up to 1/8" in diameter, some rootlets	Qal	Bag-1	2.5'	10.1
2.6	5.1	SW	Sand with gravel, light brown, dry to slightly moist, loose, fine to coarse grain sand, gravel up to 1/4", no apparent porosity	Qal		5.1	2.2
Total Depth (ft): 5.1 No ground water encountered. Test pit backfilled, wheel rolled at surface.							

**Test Pit TP-2**

Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results		
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry)pcf
0	1.6	SM	Silty SAND, light gray, dry, dense, fine to medium sand, rootlets (tilled)	Afu			
1.6	3.3	SM	Silty SAND, dark olive brown, slightly moist, medium dense, fine to medium grain with some coarse grain sand, porous to < 1% up to 1/8" in diameter, some rootlets	Qal	Bag-1	2	4.5
3.3	4	SP	SAND, dark brown, slightly moist, very dense, medium to coarse grain sand	Qal			
4	5.1	SW	SAND with gravel and some silt, light brown, dry to slightly moist, loose, fine to coarse grain sand, gravel up to 1/4", porous to < 0.5% up to 1/16" in diameter	Qal		5.1	4.1
Total Depth (ft): 5.1 No ground water encountered. Test pit backfilled, wheel rolled at surface.							

**Test Pit TP-3**

Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results		
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry)pcf
0	1.3		Fill - weathered alluvium (tilled)	Afu			
1.3	3	SW	SAND with some gravel and thin layers of silt, light to dark brown, slightly moist, dense to medium dense, fine to coarse grain sand with fine gravel, porous to < 1% up to 1/8" in diameter	Qal	Bag-1	2.3	3.6
3	5	SP	SAND, light to dark brown, slightly moist, medium dense to loose, medium to coarse grain sand with some fine gravel, no apparent porosity	Qal		5	3.4
Total Depth (ft): 5.0 No ground water encountered. Test pit backfilled, wheel rolled at surface.							



Young Homes / Moreno Valley  
Project No. 021164-001

Logged by: MM

Sampled by: MM

## Test Pit TP-4

Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results		
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry) pfc
0	1.6		Fill - weathered alluvium (tilled)	Afu			
1.6	6	SM	Silty SAND, light brown, slightly moist, medium dense, fine to coarse grain sand, porous to < 0.5% up to 1/16" in diameter	Qal	Bag-1	2.5	4.1
				Qal		6	5.8
Total Depth (ft): 6.0							
No ground water encountered.							
Test pit backfilled, wheel rolled at surface.							

## Test Pit TP-5

Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results		
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry) pfc
0	1.4		Fill - weathered alluvium (tilled)	Afu			
1.4	3.2	SM	Silty SAND, light brown, dry to slightly moist, dense to medium dense, fine to coarse grain sand, thin layers of dark silt, porous to < 0.5% up to 1/16" in diameter, rootlets	Qal	Bag-1	2.5	2.6
3.2	5.5	SW	SAND with gravel, light brown, slightly moist, medium dense to loose, fine to coarse grain sand, fine gravel, no apparent porosity	Qal		5.5	3.3
Total Depth (ft): 5.5							
No ground water encountered.							
Test pit backfilled, wheel rolled at surface.							

## Test Pit TP-6

Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results		
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry) pfc
0	1.8		Fill - weathered alluvium (tilled)	Afu			
1.8	4.1	SM	Silty SAND, dark brown, slightly moist, medium dense, fine to coarse grain sand, porous to < 1% up to 1/8" in diameter, some rootlets	Qal	Bag-1	2.5	6.1
4.1	5.2	SW	SAND with gravel, light brown, dry to slightly moist, loose, fine to coarse grain sand, no apparent porosity	Qal		5.2	3.6
Total Depth (ft): 5.2							
No ground water encountered.							
Test pit backfilled, wheel rolled at surface.							

Young Homes / Moreno Valley  
Project No. 021164-001

Logged by: MM

Sampled by: MM

## Test Pit TP-7

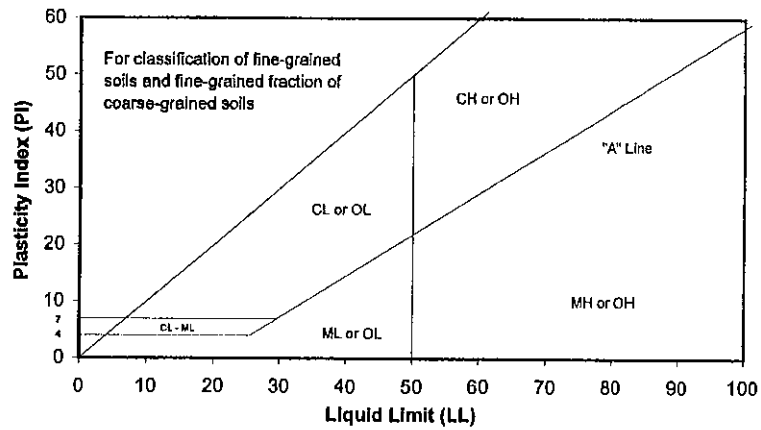
Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results		
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry)pcf
0	1.5		Fill - weathered alluvium (tiled)	Afu			
1.5	3.3	SM	Silty SAND, dark brown, dry to slightly moist, medium dense, fine to coarse grain sand, porous to <0.5% up to 1/16" in diameter	Qal	Bag-1	3	2.9
3.3	5	SW	Gravelly SAND, light brown, dry to slightly moist, loose, fine to coarse grain sand and fine gravel, no apparent porosity	Qal		5	3.3
Total Depth (ft): 5.0							
No ground water encountered.							
Test pit backfilled, wheel rolled at surface.							

## Test Pit TP-8

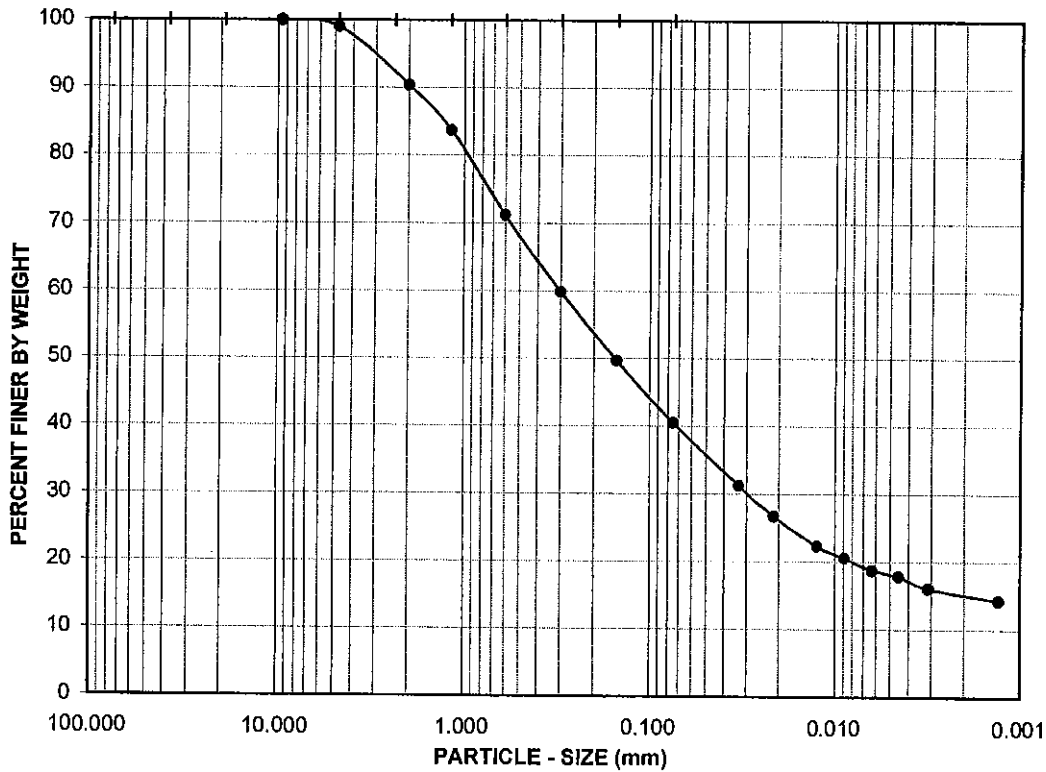
Date: April 2004 Location: See Geotechnical Map

Depth		Soil symbol (USCS)	Description	Geologic Unit	Test Results		
Top (ft)	Bottom (ft)				Sample number	Depth ft	Density (dry)pcf
0	1.5		Fill - weathered alluvium (tiled)	Afu			
1.5	4.5	SM	Silty SAND with some gravel, light to dark brown, dry to slightly moist, medium dense, fine to coarse grain sand and fine gravel, porous to < 1% up to 1/16" in diameter, some rootlets	Qal	Bag-1	2.3	3.9
4.5	5.2	SW	SAND with some gravel, light brown, dry to slightly moist, medium dense to loose, fine to coarse grain sand and fine gravel, no apparent porosity	Qal		5.2	3.5
Total Depth (ft): 5.2							
No ground water encountered.							
Test pit backfilled, wheel rolled at surface.							



GRAVEL			SAND				FINES	
COARSE	FINE	CRSE	MEDIUM	FINE		SILT	CLAY	

U.S. STANDARD SIEVE OPENING: 3.0" 1 1/2" 3/4" 3/8" #4 #8 #16 #30 #50 #100 #200  
 U.S. STANDARD SIEVE NUMBER: 3.0" 1 1/2" 3/4" 3/8" #4 #8 #16 #30 #50 #100 #200  
 HYDROMETER



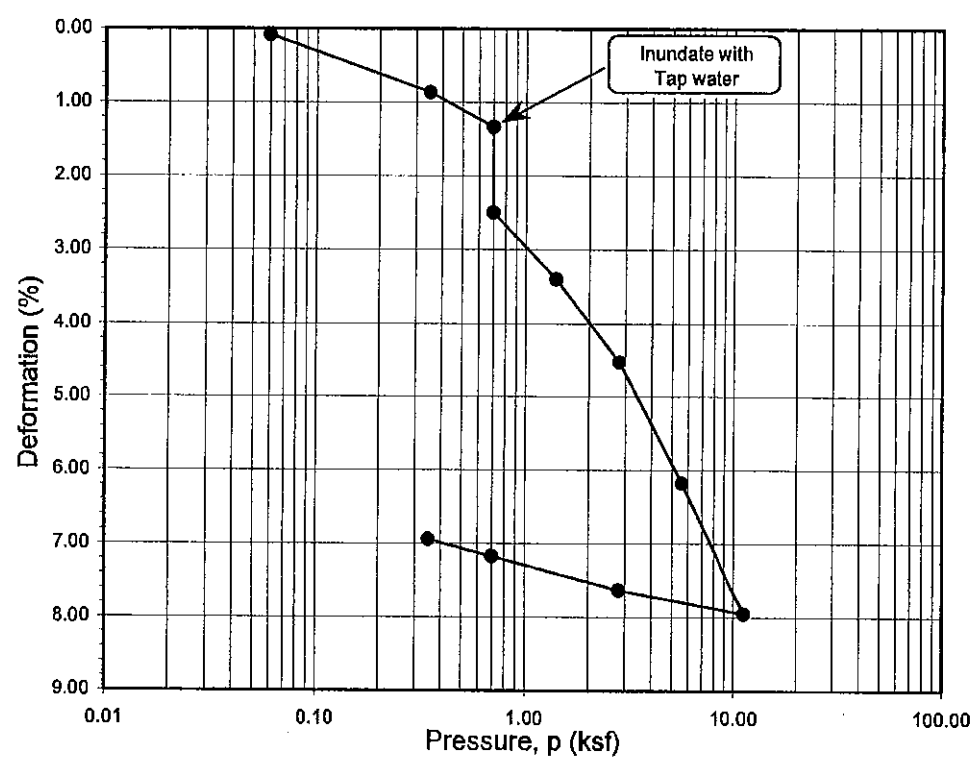
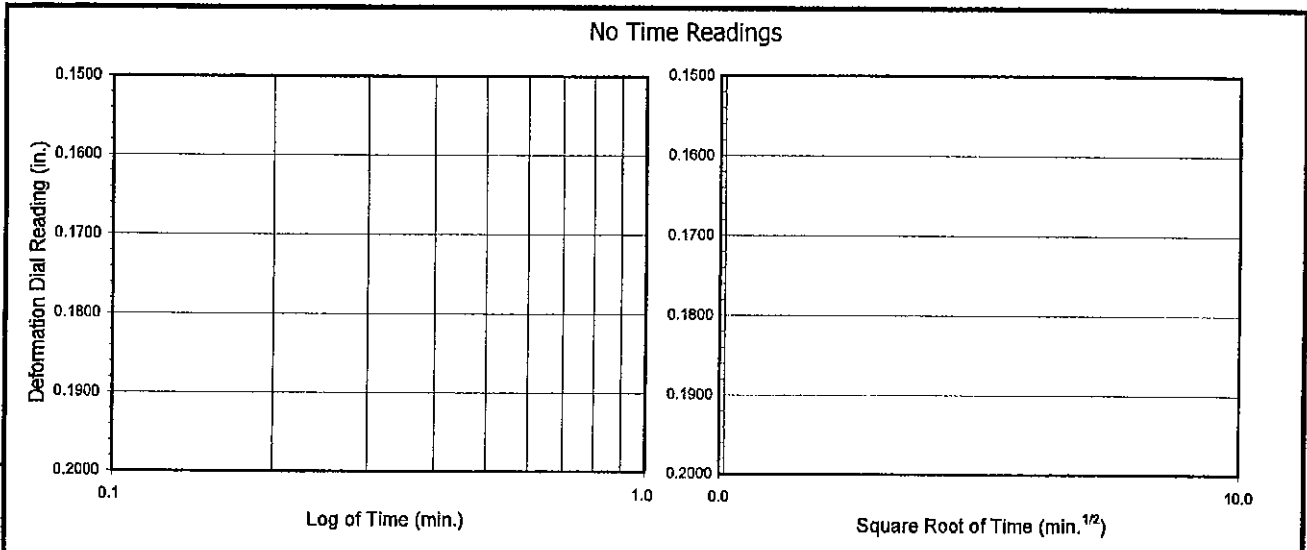
Boring No.:	Sample No.:	Depth (ft.) :	Soil Type	GR:SA:FI	LL,PL,PI
TP-1	Bag-1	2.5	SC-SM	1:58:41	NA <sub>11</sub>

Soil Description: Brown silty, clayey sand (SC-SM)



**ATTERBERG LIMITS,**  
**PARTICLE - SIZE CURVE**  
**ASTM D 4318, D 422**

Project No.: 021164-001  
 Young Homes / MV  
 05-04



Boring No.	Sample No.	Depth (ft.)	Moisture Content (%)		Dry Density (pcf)		Void Ratio		Degree of Saturation (%)	
			Initial	Final	Initial	Final	Initial	Final	Initial	Final
B-3	R-2	5	2.4	14.3	112.7	120.6	0.495	0.391	13	97

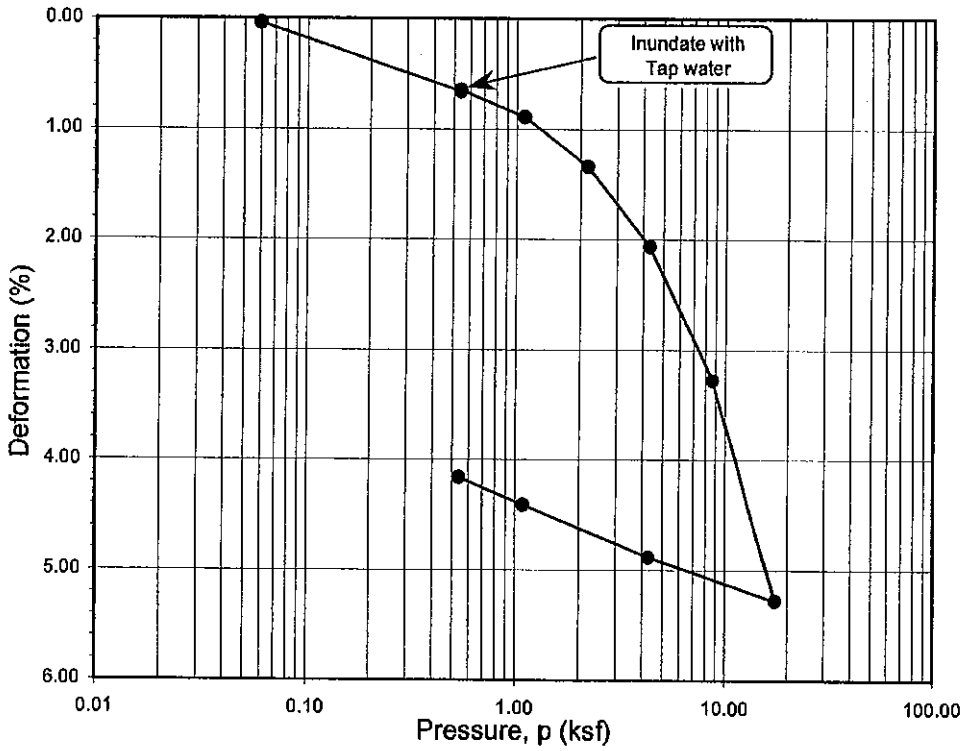
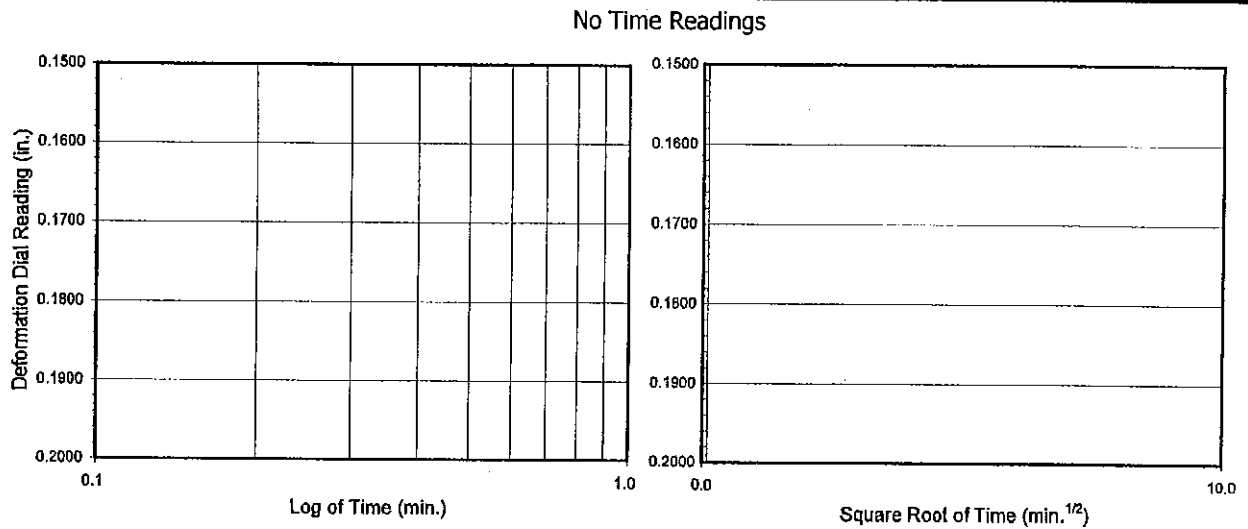
Soil Identification: Brown silty sand (SM)



**ONE-DIMENSIONAL CONSOLIDATION  
PROPERTIES of SOILS  
(ASTM D 2435)**

Project No.: 021164-001  
Young Homes / MV

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A



Boring No.	Sample No.	Depth (ft.)	Moisture Content (%)		Dry Density (pcf)		Void Ratio		Degree of Saturation (%)	
			Initial	Final	Initial	Final	Initial	Final	Initial	Final
<b>B-1</b>	<b>R-2</b>	<b>5</b>	<b>8.9</b>	<b>12.6</b>	<b>118.2</b>	<b>122.5</b>	<b>0.426</b>	<b>0.366</b>	<b>57</b>	<b>90</b>

Soil Identification: Brown clayey sand (SC)



Teratest Labs, Inc.  
A LEIGHTON GROUP COMPANY

**ONE-DIMENSIONAL CONSOLIDATION  
PROPERTIES of SOILS  
(ASTM D 2435)**

Project No.: 021164-001

Young Homes / MV



## One-Dimensional Swell or Settlement Potential of Cohesive Soils (ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-8  
 Sample No.: R-4  
 Sample Description: Brown silty sand (SM)

Tested By: FT  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 10.0

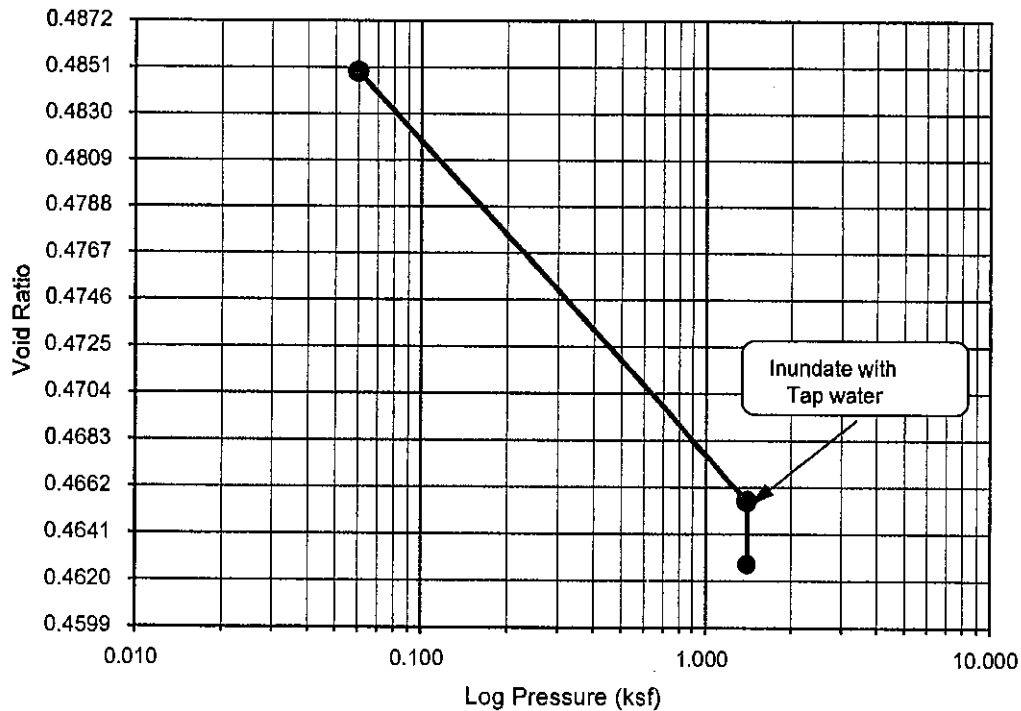
Initial Dry Density (pcf):	113.4
Initial Moisture (%):	5.80
Initial Length (in.):	1.0000
Initial Dial Reading:	0.2563
Diameter(in):	2.416

Final Dry Density (pcf):	113.7
Final Moisture (%):	17.8
Initial Void ratio:	0.4859
Specific Gravity(assumed):	2.70
Initial Saturation (%)	32.2

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.2570	0.9993	0.00	-0.07	0.4849	-0.07
1.400	0.2700	0.9863	0.00	-1.37	0.4656	-1.37
H2O	0.2719	0.9844	0.00	-1.56	0.4628	-1.56

Percent Swell (+) / Settlement (-) After Inundation = -0.19

Void Ratio - Log Pressure Curve



Collapse B-8 R-4 @ 10

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A





## One-Dimensional Swell or Settlement Potential of Cohesive Soils (ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-6  
 Sample No.: R-5  
 Sample Description: Brown silty sand (SM)

Tested By: FT  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 15.0

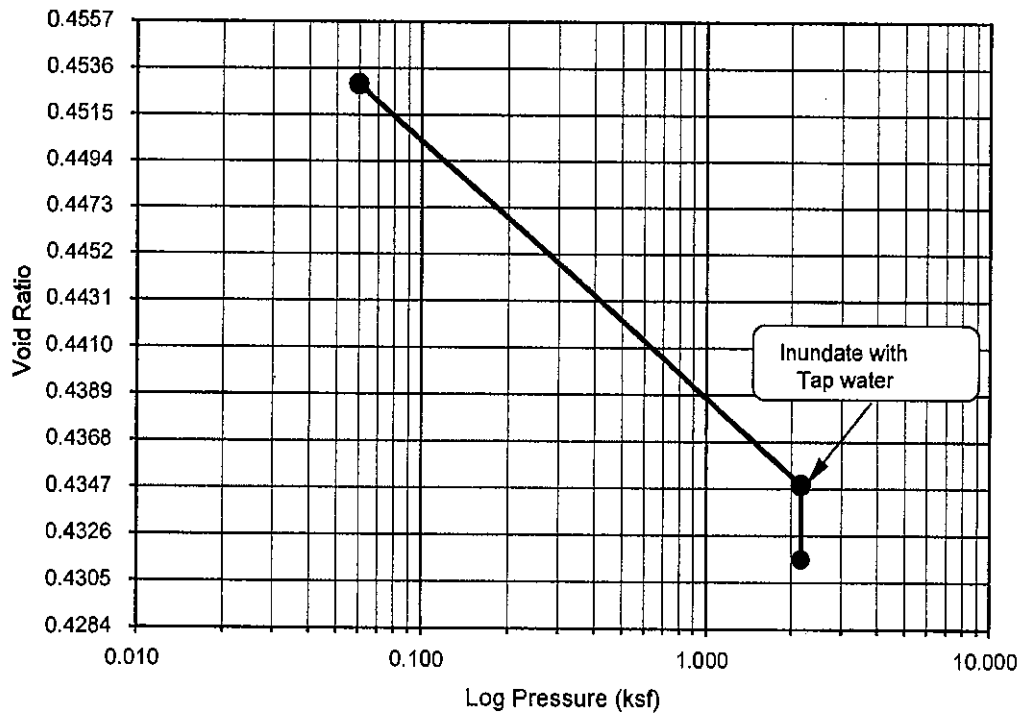
Initial Dry Density (pcf):	116.0
Initial Moisture (%):	6.69
Initial Length (in.):	1.0000
Initial Dial Reading:	0.1000
Diameter(in):	2.416

Final Dry Density (pcf):	117.4
Final Moisture (%):	16.3
Initial Void ratio:	0.4533
Specific Gravity(assumed):	2.70
Initial Saturation (%):	39.8

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.1003	0.9997	0.00	-0.03	0.4529	-0.03
2.170	0.1127	0.9873	0.00	-1.27	0.4349	-1.27
H2O	0.1150	0.9850	0.00	-1.50	0.4315	-1.50

Percent Swell (+) / Settlement (-) After Inundation = **-0.23**

Void Ratio - Log Pressure Curve



Collapse B-6 R-5 @ 15



**One-Dimensional Swell or Settlement  
Potential of Cohesive Soils**  
(ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-5  
 Sample No.: R-3  
 Sample Description: Brown silty sand (SM)

Tested By: FT  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 10.0

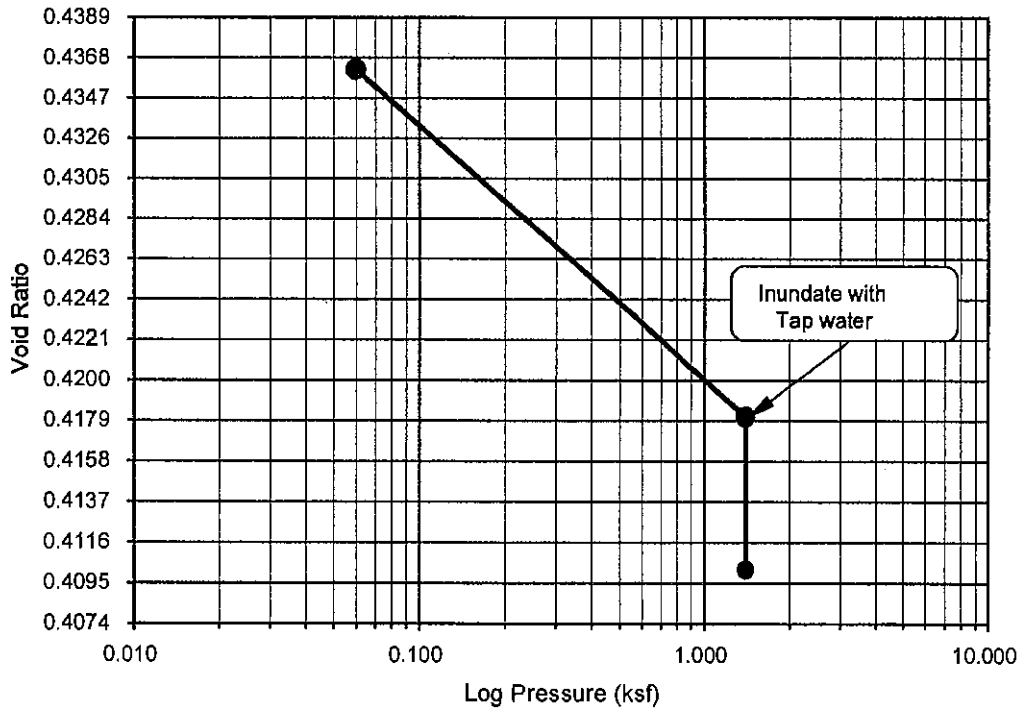
Initial Dry Density (pcf):	117.4
Initial Moisture (%):	1.92
Initial Length (in.):	1.0000
Initial Dial Reading:	0.1000
Diameter(in):	2.416

Final Dry Density (pcf):	118.6
Final Moisture (%):	14.6
Initial Void ratio:	0.4363
Specific Gravity(assumed):	2.70
Initial Saturation (%):	11.9

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.1001	0.9999	0.00	-0.01	0.4362	-0.01
1.400	0.1127	0.9873	0.00	-1.27	0.4181	-1.27
H2O	0.1182	0.9818	0.00	-1.82	0.4102	-1.82

Percent Swell (+) / Settlement (-) After Inundation = -0.56

**Void Ratio - Log Pressure Curve**



Collapse B-5 R-3 @ 10



**One-Dimensional Swell or Settlement  
Potential of Cohesive Soils**  
(ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-5  
 Sample No.: R-2  
 Sample Description: Brown silty sand (SM)

Tested By: FT  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 5.0

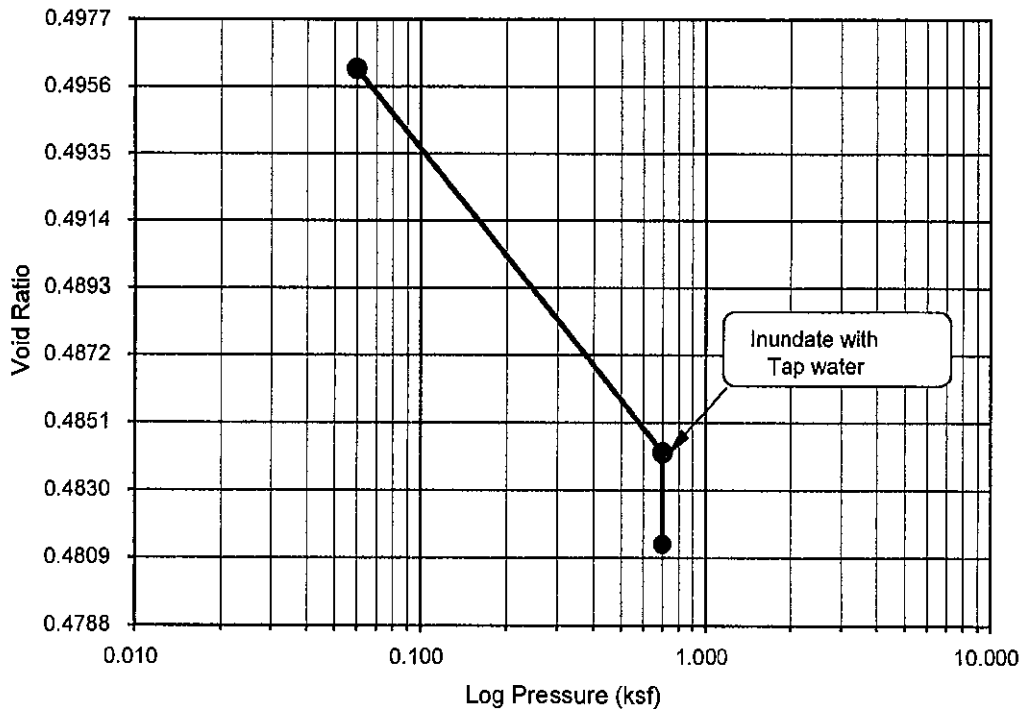
Initial Dry Density (pcf):	112.6
Initial Moisture (%):	4.73
Initial Length (in.):	1.0000
Initial Dial Reading:	0.2300
Diameter(in):	2.416

Final Dry Density (pcf):	112.5
Final Moisture (%):	17.2
Initial Void ratio:	0.4967
Specific Gravity(assumed):	2.70
Initial Saturation (%):	25.7

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.2304	0.9996	0.00	-0.04	0.4961	-0.04
0.700	0.2384	0.9916	0.00	-0.84	0.4842	-0.84
H2O	0.2403	0.9897	0.00	-1.03	0.4813	-1.03

Percent Swell (+) / Settlement (-) After Inundation = -0.19

**Void Ratio - Log Pressure Curve**



Collapse B-5 R-2 @ 5

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A



## One-Dimensional Swell or Settlement Potential of Cohesive Soils (ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-4  
 Sample No.: R-5  
 Sample Description: Brown clayey sand (SC)

Tested By: FT  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 15.0

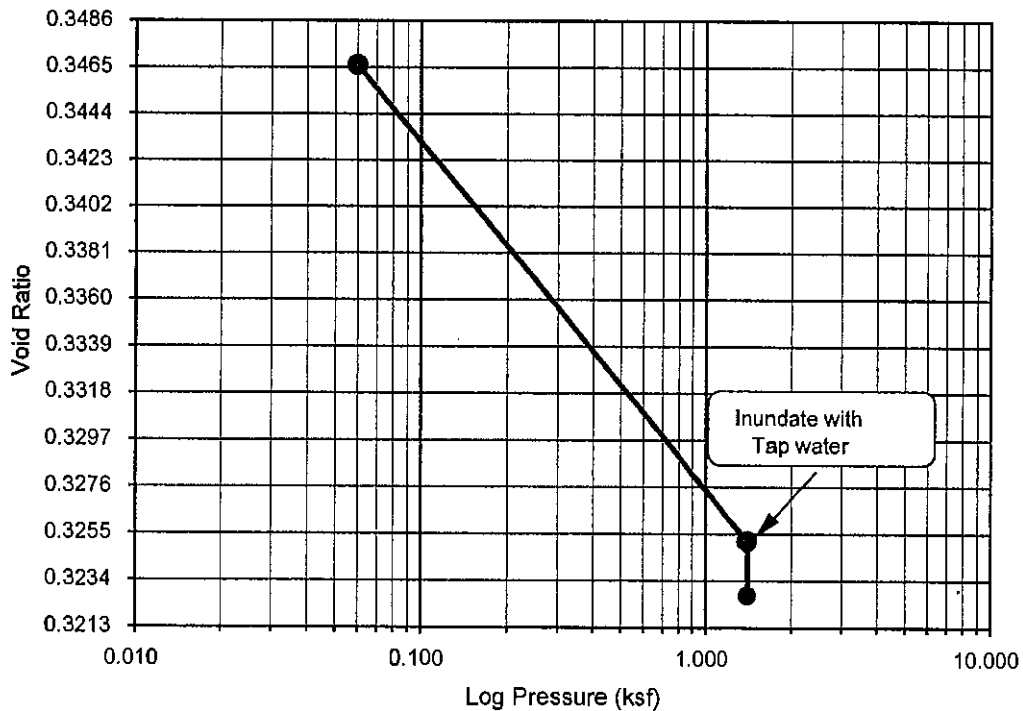
Initial Dry Density (pcf):	125.0
Initial Moisture (%):	7.31
Initial Length (in.):	1.0000
Initial Dial Reading:	0.1590
Diameter(in):	2.416

Final Dry Density (pcf):	126.3
Final Moisture (%):	10.8
Initial Void ratio:	0.3481
Specific Gravity(assumed):	2.70
Initial Saturation (%)	56.7

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.1601	0.9989	0.00	-0.11	0.3466	-0.11
1.400	0.1760	0.9830	0.00	-1.70	0.3252	-1.70
H2O	0.1778	0.9812	0.00	-1.88	0.3227	-1.88

Percent Swell (+) / Settlement (-) After Inundation = -0.18

Void Ratio - Log Pressure Curve



Collapse B-4 R-5 @ 15



## One-Dimensional Swell or Settlement Potential of Cohesive Soils (ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-3  
 Sample No.: R-3  
 Sample Description: Brown sandy lean clay s(CL)

Tested By: FT, ESS  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 10.0

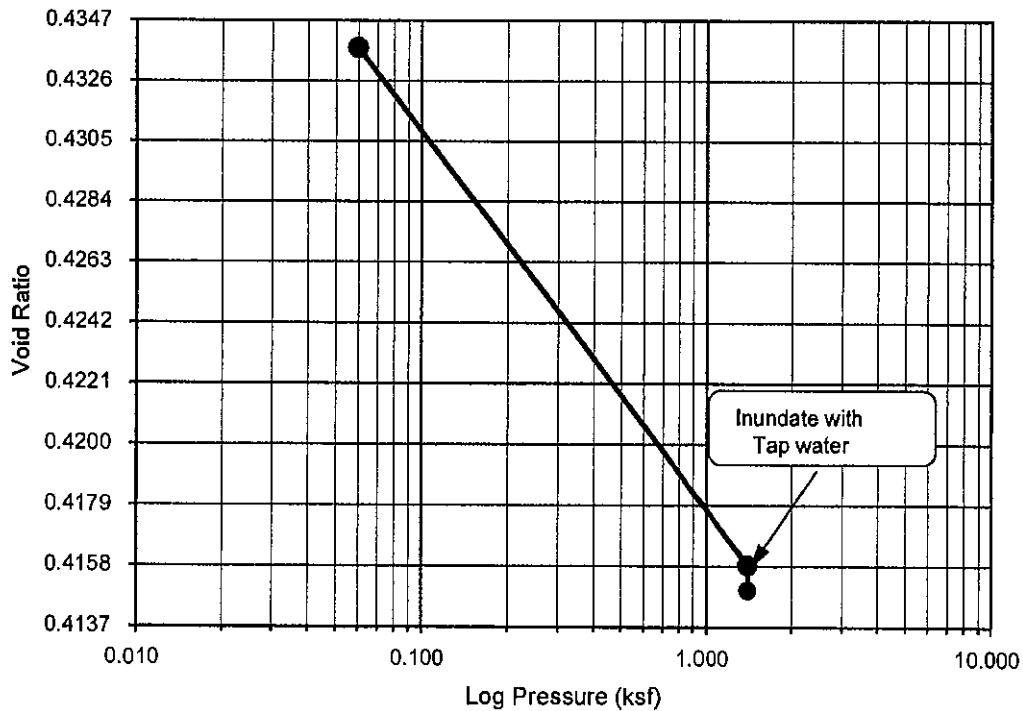
Initial Dry Density (pcf):	117.6
Initial Moisture (%):	11.23
Initial Length (in.):	1.0000
Initial Dial Reading:	0.1441
Diameter(in):	2.416

Final Dry Density (pcf):	118.8
Final Moisture (%):	15.7
Initial Void ratio:	0.4338
Specific Gravity(assumed):	2.70
Initial Saturation (%)	69.9

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.1441	1.0000	0.00	0.00	0.4338	0.00
1.400	0.1566	0.9875	0.00	-1.25	0.4158	-1.25
H2O	0.1572	0.9869	0.00	-1.31	0.4150	-1.31

Percent Swell (+) / Settlement (-) After Inundation = **-0.06**

Void Ratio - Log Pressure Curve



Collapse B-3 R-3 @ 10

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A



## One-Dimensional Swell or Settlement Potential of Cohesive Soils (ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-2  
 Sample No.: R-6  
 Sample Description: Brown silty sand (SM)

Tested By: FT, ESS  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 20.0

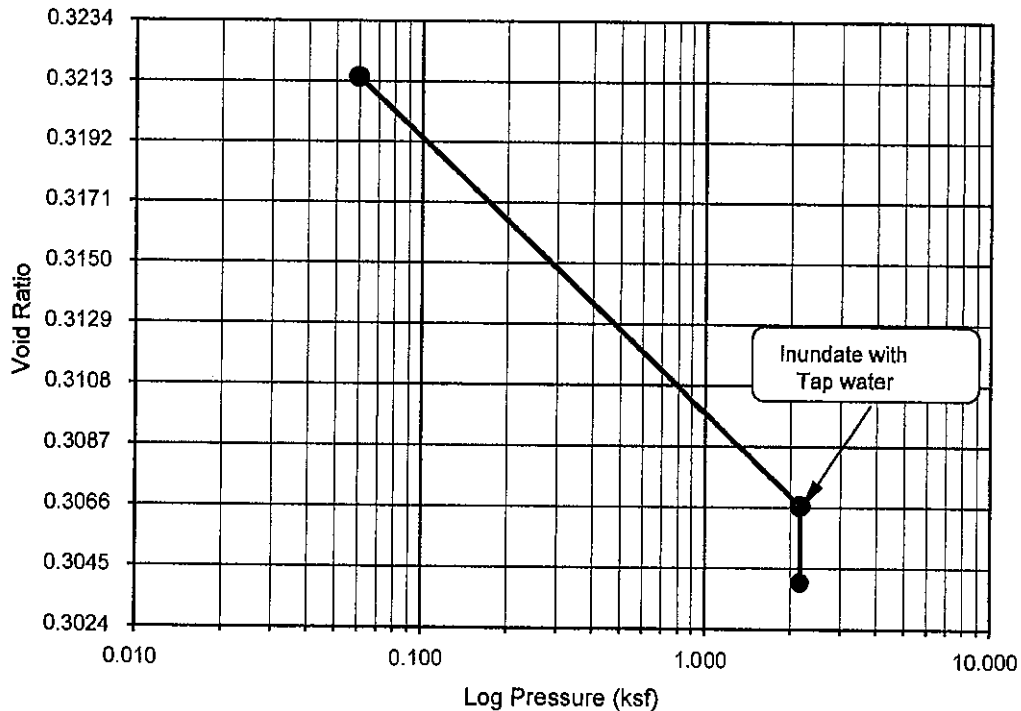
Initial Dry Density (pcf):	127.5
Initial Moisture (%):	5.38
Initial Length (in.):	1.0000
Initial Dial Reading:	0.1000
Diameter(in):	2.416

Final Dry Density (pcf):	127.9
Final Moisture (%):	11.3
Initial Void ratio:	0.3216
Specific Gravity(assumed):	2.70
Initial Saturation (%):	45.1

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.1001	0.9999	0.00	-0.01	0.3215	-0.01
2.170	0.1113	0.9887	0.00	-1.13	0.3067	-1.13
H2O	0.1133	0.9867	0.00	-1.33	0.3040	-1.33

Percent Swell (+) / Settlement (-) After Inundation = -0.20

Void Ratio - Log Pressure Curve



Collapse B-2 R-6 @ 20

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A





## One-Dimensional Swell or Settlement Potential of Cohesive Soils (ASTM D 4546)

Project Name: Young Homes / MV  
 Project No.: 021164-001  
 Boring No.: B-2  
 Sample No.: R-2  
 Sample Description: Brown silty sand (SM)

Tested By: FT, ESS  
 Checked By: LF  
 Sample Type: Drive  
 Depth (ft.): 5.0

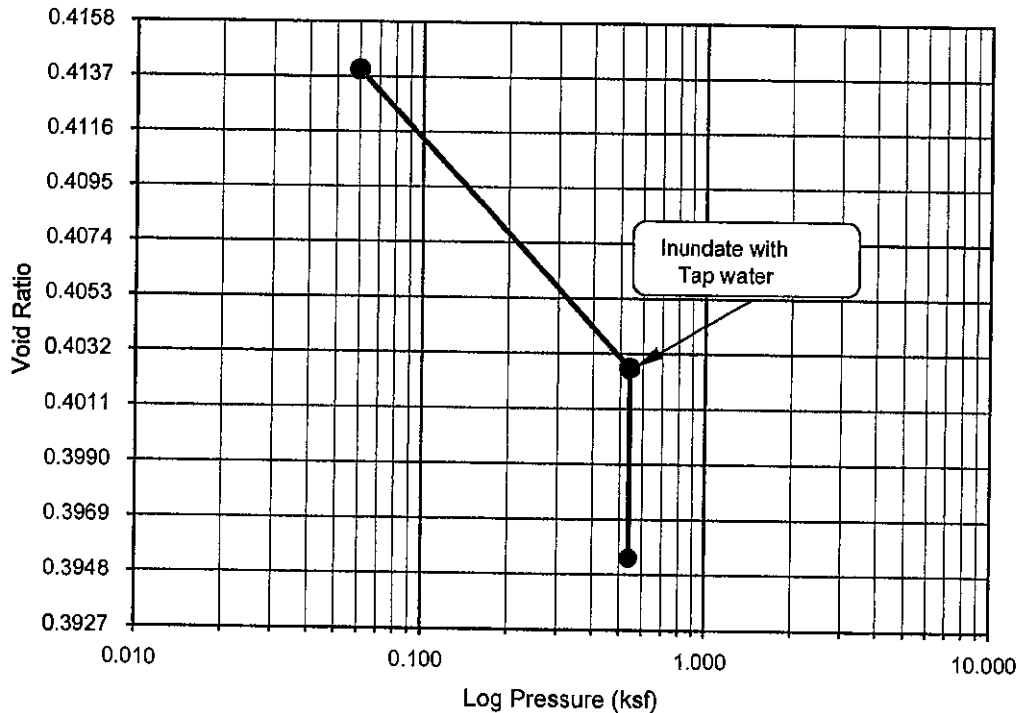
Initial Dry Density (pcf):	119.2
Initial Moisture (%):	3.19
Initial Length (in.):	1.0000
Initial Dial Reading:	0.1093
Diameter(in):	2.416

Final Dry Density (pcf):	119.0
Final Moisture (%):	13.5
Initial Void ratio:	0.4147
Specific Gravity(assumed):	2.70
Initial Saturation (%):	20.8

Pressure (p) (ksf)	Final Reading (in)	Apparent Thickness (in)	Load Compliance (%)	Swell (+) Settlement (-) % of Sample Thickness	Void Ratio	Corrected Deformation (%)
0.060	0.1098	0.9995	0.00	-0.05	0.4140	-0.05
0.540	0.1178	0.9915	0.00	-0.85	0.4027	-0.85
H2O	0.1229	0.9864	0.00	-1.36	0.3954	-1.36

Percent Swell (+) / Settlement (-) After Inundation = -0.51

Void Ratio - Log Pressure Curve



Collapse B-2 R-2 @ 5

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A



# MODIFIED PROCTOR COMPACTION TEST

ASTM D 1557

Teratest Labs, Inc.  
A LEIGHTON GROUP COMPANY

Project Name: Young Homes / MV Tested By : GB  
 Project No.: 021164-001 Input By : LF  
 Boring No.: TP-3 Depth (ft.): 2-3  
 Sample No. : Bag-1  
 Soil Identification: Olive brown poorly graded sand (SP)

Preparation Method:  Moist  Mechanical Ram  
 Dry  Manual Ram  
 Mold Volume (ft<sup>3</sup>) 0.03323 Ram Weight = 10 lb.; Drop = 18 in.

TEST NO.	1	2	3	4	5	6
Wt. Compacted Soil + Mold (g)	3753.6	3855.7	3946.2	3901.9		
Weight of Mold (g)	1771.0	1771.0	1771.0	1771.0		
Net Weight of Soil (g)	1982.6	2084.7	2175.2	2130.9		
Wet Weight of Soil + Cont. (g)	411.70	355.40	374.30	399.80		
Dry Weight of Soil + Cont. (g)	404.20	341.80	353.40	369.80		
Weight of Container (g)	51.80	51.20	52.10	49.30		
Moisture Content (%)	2.13	4.68	6.94	9.36		
Wet Density (pcf)	131.5	138.3	144.3	141.4		
Dry Density (pcf)	128.8	132.1	134.9	129.3		

Maximum Dry Density (pcf) 135.0 Optimum Moisture Content (%) 7.0

### PROCEDURE USED

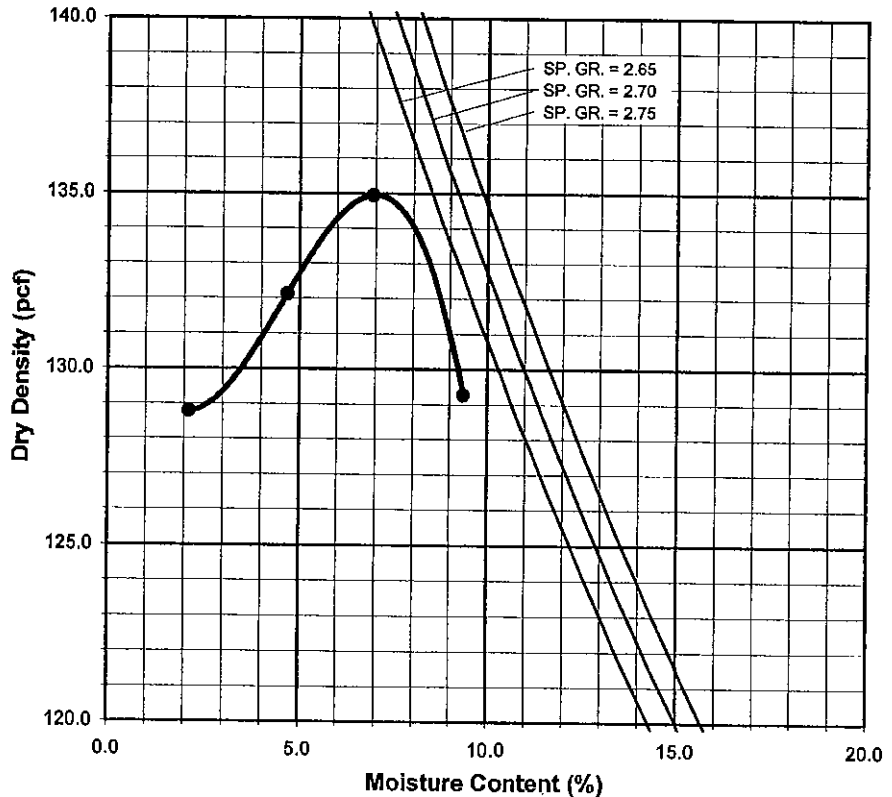
**Procedure A**  
 Soil Passing No. 4 (4.75 mm) Sieve  
 Mold : 4 in. (101.6 mm) diameter  
 Layers : 5 (Five)  
 Blows per layer : 25 (twenty-five)  
 May be used if + #4 is 20% or less

**Procedure B**  
 Soil Passing 3/8 in. (9.5 mm) Sieve  
 Mold : 4 in. (101.6 mm) diameter  
 Layers : 5 (Five)  
 Blows per layer : 25 (twenty-five)  
 Use if + #4 is >20% and +3/8 in. is 20% or less

**Procedure C**  
 Soil Passing 3/4 in. (19.0 mm) Sieve  
 Mold : 6 in. (152.4 mm) diameter  
 Layers : 5 (Five)  
 Blows per layer : 56 (fifty-six)  
 Use if +3/8 in. is >20% and +3/4 in. is <30%

### Particle-Size Distribution:

GR:SA:FI  
**Atterberg Limits:**  
 LL, PL, PI



MX TP-3 Bag-1



# MODIFIED PROCTOR COMPACTION TEST

ASTM D 1557

Teratest Labs, Inc.  
A LEIGHTON GROUP COMPANY

Project Name: Young Homes / MV Tested By : GB  
 Project No.: 021164-001 Input By : LF  
 Boring No.: TP-6 Depth (ft.) 2-5  
 Sample No. : Bag-1  
 Soil Identification: Dark reddish brown silty clay (CL-ML)

Preparation Method:  Moist  Mechanical Ram  
 Dry  Manual Ram  
 Mold Volume (ft<sup>3</sup>) **0.03323** Ram Weight = 10 lb.; Drop = 18 in.

TEST NO.	1	2	3	4	5	6
Wt. Compacted Soil + Mold (g)	3683.6	3842.9	3913.2	3810.1		
Weight of Mold (g)	1771.0	1771.0	1771.0	1771.0		
Net Weight of Soil (g)	1912.6	2071.9	2142.2	2039.1		
Wet Weight of Soil + Cont. (g)	369.90	347.80	312.20	329.70		
Dry Weight of Soil + Cont. (g)	354.20	326.10	287.80	298.20		
Weight of Container (g)	52.00	51.00	52.50	54.00		
Moisture Content (%)	5.20	7.89	10.37	12.90		
Wet Density (pcf)	126.9	137.5	142.1	135.3		
Dry Density (pcf)	120.6	127.4	128.8	119.8		

Maximum Dry Density (pcf) **129.0** Optimum Moisture Content (%) **9.5**

### PROCEDURE USED

**Procedure A**  
 Soil Passing No. 4 (4.75 mm) Sieve  
 Mold : 4 in. (101.6 mm) diameter  
 Layers : 5 (Five)  
 Blows per layer : 25 (twenty-five)  
 May be used if + #4 is 20% or less

**Procedure B**  
 Soil Passing 3/8 in. (9.5 mm) Sieve  
 Mold : 4 in. (101.6 mm) diameter  
 Layers : 5 (Five)  
 Blows per layer : 25 (twenty-five)  
 Use if + #4 is >20% and +3/8 in. is 20% or less

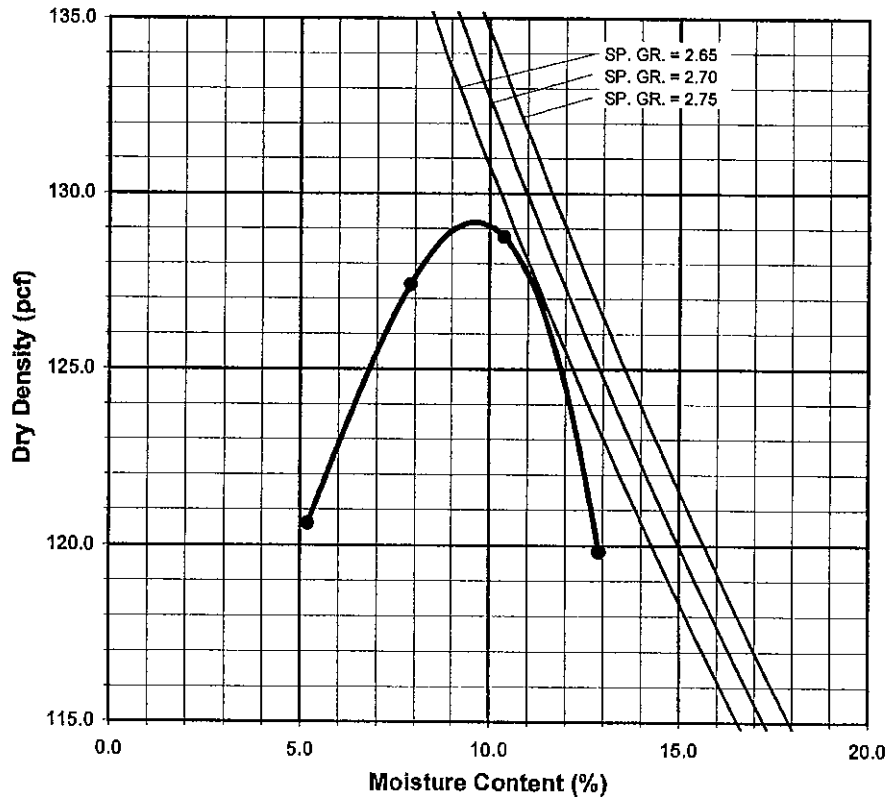
**Procedure C**  
 Soil Passing 3/4 in. (19.0 mm) Sieve  
 Mold : 6 in. (152.4 mm) diameter  
 Layers : 5 (Five)  
 Blows per layer : 56 (fifty-six)  
 Use if +3/8 in. is >20% and +3/4 in. is <30%

### Particle-Size Distribution:

GR:SA:FI

### Atterberg Limits:

LL, PL, PI



MX TP-6 Bag-1



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## EXPANSION INDEX of SOILS

ASTM D 4829

Project Name: <u>Young Homes / MV</u>	Tested By: <u>GB</u>
Project No. : <u>021164-001</u>	Checked By: <u>LF</u>
Boring No.: <u>TP-1</u>	Depth (ft.) <u>2-5</u>
Sample No. : <u>Bag-1</u>	
Soil Identification: <u>Dark yellowish brown clayey sand (SC)</u>	

Dry Wt. of Soil + Cont. (g)	1000.00
Wt. of Container No. (g)	0.00
Dry Wt. of Soil (g)	1000.00
Weight Soil Retained on #4 Sieve	0.00
Percent Passing # 4	100.00

MOLDED SPECIMEN	Before Test	After Test
Specimen Diameter (in.)	4.01	4.01
Specimen Height (in.)	1.0000	1.0043
Wt. Comp. Soil + Mold (g)	636.10	443.00
Wt. of Mold (g)	210.80	0.00
Specific Gravity (Assumed)	2.70	2.70
Container No.	0	0
Wet Wt. of Soil + Cont. (g)	848.50	653.80
Dry Wt. of Soil + Cont. (g)	787.90	605.70
Wt. of Container (g)	0.00	210.80
Moisture Content (%)	7.69	12.18
Wet Density (pcf)	128.3	133.1
Dry Density (pcf)	119.1	118.6
Void Ratio	0.415	0.421
Total Porosity	0.293	0.296
Pore Volume (cc)	60.7	61.6
Degree of Saturation (%) [ S <sub>meas</sub> ]	50.0	78.1

**SPECIMEN INUNDATION** in distilled water for the period of 24 h or expansion rate < 0.0002 in./h

Date	Time	Pressure (psi)	Elapsed Time (min.)	Dial Readings (in.)
04/21/04	16:02	1.0	0	0.0710
04/21/04	16:12	1.0	10	0.0703
Add Distilled Water to the Specimen				
04/21/04	17:07	1.0	55	0.0742
04/22/04	6:45	1.0	873	0.0753
04/22/04	10:10	1.0	1078	0.0753

Expansion Index (EI <sub>meas</sub> ) = ((Final Rdg - Initial Rdg) / Initial Thick.) × 1000	5.0
Expansion Index (EI) <sub>60</sub> = EI <sub>meas</sub> - (50 - S <sub>meas</sub> ) × ((65 + EI <sub>meas</sub> ) / (220 - S <sub>meas</sub> ))	5



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## EXPANSION INDEX of SOILS

ASTM D 4829

Project Name: Young Homes / MV Tested By: GB  
 Project No. : 021164-001 Checked By: LF  
 Boring No.: TP-5 Depth (ft.) 2-5  
 Sample No. : Bag-1  
 Soil Identification: Dark yellowish brown poorly graded sand (SP)

Dry Wt. of Soil + Cont. (g)	1000.00
Wt. of Container No. (g)	0.00
Dry Wt. of Soil (g)	1000.00
Weight Soil Retained on #4 Sieve	0.00
Percent Passing # 4	100.00

MOLDED SPECIMEN	Before Test	After Test
Specimen Diameter (in.)	4.01	4.01
Specimen Height (in.)	1.0000	1.0004
Wt. Comp. Soil + Mold (g)	629.40	449.10
Wt. of Mold (g)	190.80	0.00
Specific Gravity (Assumed)	2.70	2.70
Container No.	0	0
Wet Wt. of Soil + Cont. (g)	854.10	639.90
Dry Wt. of Soil + Cont. (g)	794.50	598.80
Wt. of Container (g)	0.00	190.80
Moisture Content (%)	7.50	10.07
Wet Density (pcf)	132.3	135.4
Dry Density (pcf)	123.1	123.0
Void Ratio	0.370	0.370
Total Porosity	0.270	0.270
Pore Volume (cc)	55.9	56.0
Degree of Saturation (%) [ S meas ]	54.8	73.4

**SPECIMEN INUNDATION** in distilled water for the period of 24 h or expansion rate < 0.0002 in./h

Date	Time	Pressure (psi)	Elapsed Time (min.)	Dial Readings (in.)
04/21/04	16:29	1.0	0	0.0508
04/21/04	16:39	1.0	10	0.0507
Add Distilled Water to the Specimen				
04/21/04	17:06	1.0	27	0.0509
04/22/04	6:47	1.0	848	0.0512
04/22/04	10:02	1.0	1043	0.0512

Expansion Index (EI <sub>meas</sub> ) = ((Final Rdg - Initial Rdg) / Initial Thick.) x 1000	0.5
Expansion Index (EI) <sub>60</sub> = EI <sub>meas</sub> - (50 - S <sub>meas</sub> )x((65+EI <sub>meas</sub> ) / (220-S <sub>meas</sub> ))	2



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## EXPANSION INDEX of SOILS

ASTM D 4829

Project Name: Young Homes / MV Tested By: GB  
 Project No. : 021164-001 Checked By: LF  
 Boring No.: TP-8 Depth (ft.) 2-3  
 Sample No. : Bag-1  
 Soil Identification: Dark yellowish brown silty sand (SM)

Dry Wt. of Soil + Cont.	(g)	1000.00
Wt. of Container No.	(g)	0.00
Dry Wt. of Soil	(g)	1000.00
Weight Soil Retained on #4 Sieve		0.00
Percent Passing # 4		100.00

MOLDED SPECIMEN	Before Test	After Test
Specimen Diameter (in.)	4.01	4.01
Specimen Height (in.)	1.0000	1.0000
Wt. Comp. Soil + Mold (g)	620.80	440.00
Wt. of Mold (g)	201.80	0.00
Specific Gravity (Assumed)	2.70	2.70
Container No.	0	0
Wet Wt. of Soil + Cont. (g)	862.40	641.80
Dry Wt. of Soil + Cont. (g)	804.50	592.70
Wt. of Container (g)	0.00	201.80
Moisture Content (%)	7.20	12.56
Wet Density (pcf)	126.4	132.7
Dry Density (pcf)	117.9	117.9
Void Ratio	0.430	0.430
Total Porosity	0.301	0.301
Pore Volume (cc)	62.2	62.2
Degree of Saturation (%) [ S meas ]	45.2	78.9

**SPECIMEN INUNDATION** in distilled water for the period of 24 h or expansion rate < 0.0002 in./h

Date	Time	Pressure (psi)	Elapsed Time (min.)	Dial Readings (in.)
04/21/04	16:55	1.0	0	0.1090
04/21/04	17:05	1.0	10	0.1087
Add Distilled Water to the Specimen				
04/21/04	17:10	1.0	5	0.1087
04/22/04	6:44	1.0	819	0.1090
04/22/04	10:15	1.0	1030	0.1090

Expansion Index (EI <sub>meas</sub> ) = ((Final Rdg - Initial Rdg) / Initial Thick.) x 1000	0.3
Expansion Index (EI) <sub>50</sub> = EI <sub>meas</sub> - (50 - S <sub>meas</sub> )x((65+EI <sub>meas</sub> ) / (220-S <sub>meas</sub> ))	0

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A





Leighton Consulting, Inc.  
A LEIGHTON GROUP COMPANY

# R-VALUE TEST RESULTS

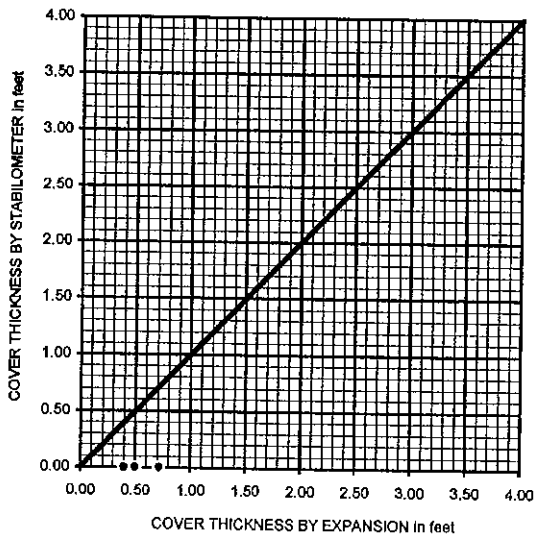
PROJECT NAME: Young Homes / MV  
 SAMPLE NUMBER: Bag 1  
 SAMPLE DESCRIPTION: Si. Sa.

PROJECT NUMBER: 021164-001  
 SAMPLE LOCATION: TP-8 2-3'  
 TECHNICIAN: SCF

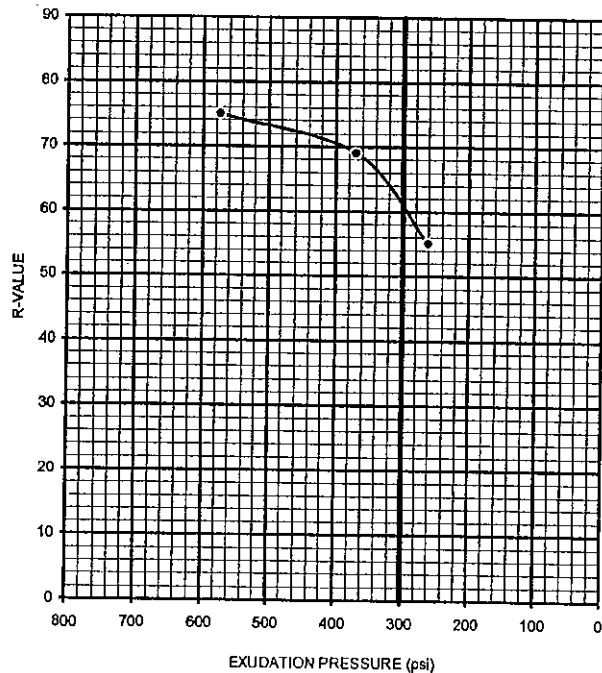
TEST SPECIMEN	a	b	c
MOISTURE AT COMPACTION %	9.5	9.9	10.3
HEIGHT OF SAMPLE, Inches	2.44	2.57	2.53
DRY DENSITY, pcf	126.6	125.6	127.4
COMPACTOR AIR PRESSURE, psf	200	150	100
EXUDATION PRESSURE, psf	574	369	261
EXPANSION, Inches x 10 <sup>exp-4</sup>	0	0	0
STABILITY Ph 2,000 lbs (160 psi)	25	30	43
TURNS DISPLACEMENT	4.58	4.98	5.56
R-VALUE UNCORRECTED	75	69	55
R-VALUE CORRECTED	75	69	55

DESIGN CALCULATION DATA	a	b	c
GRAVEL EQUIVALENT FACTOR	1.0	1.0	1.0
TRAFFIC INDEX	5.0	5.0	5.0
STABILOMETER THICKNESS, ft.	0.40	0.50	0.72
EXPANSION PRESSURE THICKNESS, ft.	0.00	0.00	0.00

EXPANSION PRESSURE CHART



EXUDATION PRESSURE CHART



R-VALUE BY EXPANSION: 100  
 R-VALUE BY EXUDATION: 61  
 EQUILIBRIUM R-VALUE: 61

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A



Teratest Labs, Inc.  
A LEIGHTON GROUP COMPANY

## TESTS for SULFATE CONTENT CHLORIDE CONTENT and pH of SOILS

Project Name: Young Homes / MV

Tested By : VJ

Project No. : 021164-001

Data Input By: LF

Boring No.	TP-1	TP-8		
Sample No.	Bag-1	Bag-1		
Sample Depth (ft)	2-5	2-3		
Soil Identification:	SC	SM		
Wet Weight of Soil + Container (g)	222.36	193.02		
Dry Weight of Soil + Container (g)	215.40	187.60		
Weight of Container (g)	74.75	38.66		
Moisture Content (%)	4.95	3.64		
Weight of Soaked Soil (g)	100.24	100.39		

### SULFATE CONTENT, DOT California Test 417, Part II

Beaker No.	14	15		
Crucible No.	19	20		
Furnace Temperature (°C)	830	830		
Time In / Time Out	7:45 / 8:30	7:45 / 8:30		
Duration of Combustion (min)	45	45		
Wt. of Crucible + Residue (g)	20.9062	21.2107		
Wt. of Crucible (g)	20.9043	21.2096		
Wt. of Residue (g) (A)	0.0019	0.0011		
PPM of Sulfate (A) x 41150	78.18	45.27		
<b>PPM of Sulfate, Dry Weight Basis</b>	<b>82</b>	<b>47</b>		

### CHLORIDE CONTENT, DOT California Test 422

ml of Chloride Soln. For Titration (B)	30	30		
ml of AgNO <sub>3</sub> Soln. Used in Titration (C)	0.6	0.6		
PPM of Chloride (C - 0.2) * 100 * 30 / B	40	40		
<b>PPM of Chloride, Dry Wt. Basis</b>	<b>42</b>	<b>42</b>		

### pH TEST, DOT California Test 532/643

pH Value	7.02	7.07		
Temperature °C	20.7	20.6		



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### SOIL RESISTIVITY TEST DOT CA TEST 532 / 643

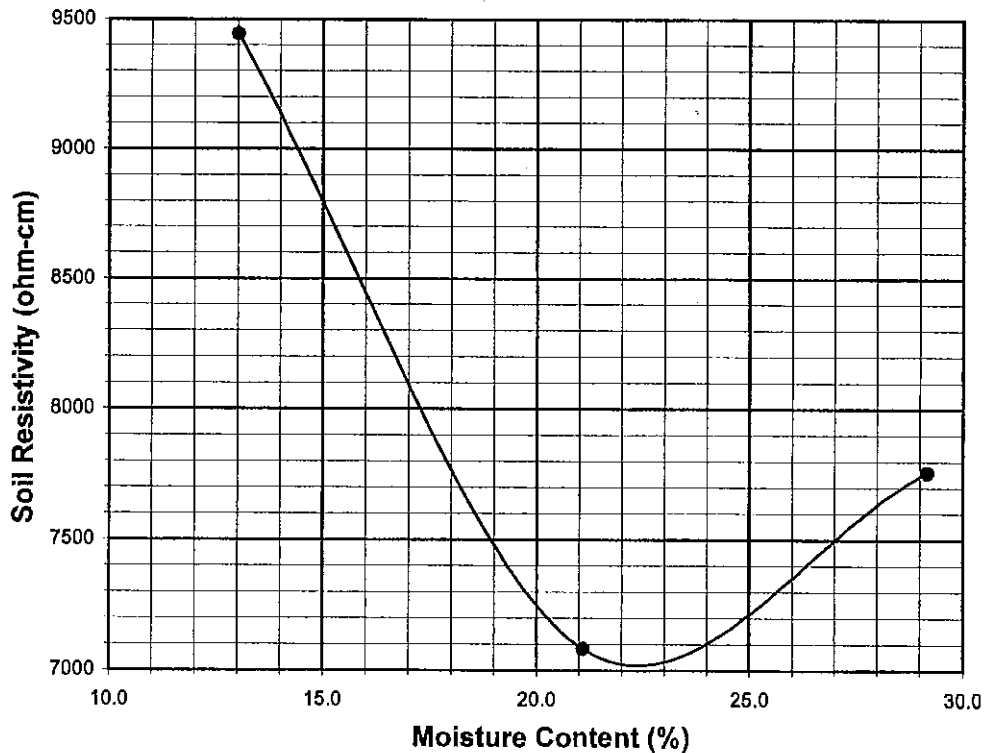
Project Name: Young Homes / MV  
 Project No. : 021164-001  
 Boring No.: TP-1  
 Sample No. : Bag-1  
 Soil Identification: SC

Tested By : VJ  
 Data Input By: LF  
 Depth (ft.) : 2-5

Specimen No.	Water Added (ml) (Wa)	Adjusted Moisture Content (MC)	Resistance Reading (ohm)	Soil Resistivity (ohm-cm)
1	100	13.02	1400	9444
2	200	21.09	1050	7083
3	300	29.17	1150	7758
4				
5				

Moisture Content (%) (MCI)	4.95
Wet Wt. of Soil + Cont. (g)	222.36
Dry Wt. of Soil + Cont. (g)	215.40
Wt. of Container (g)	74.75
Container No.	
Initial Soil Wt. (g) (Wt)	1300.00
Box Constant	6.746
$MC = (((1 + Mci / 100) \times (Wa / Wt + 1)) - 1) \times 100$	

Min. Resistivity (ohm-cm)	Moisture Content (%)	Sulfate Content (ppm)	Chloride Content (ppm)	Soil pH	
				pH	Temp. (°C)
DOT CA Test 532 / 643		DOT CA Test 417 Part II	DOT CA Test 422	DOT CA Test 532 / 643	
<b>7020</b>	<b>22.3</b>	<b>82</b>	<b>42</b>	<b>7.02</b>	<b>20.7</b>



Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A



## SOIL RESISTIVITY TEST

### DOT CA TEST 532 / 643

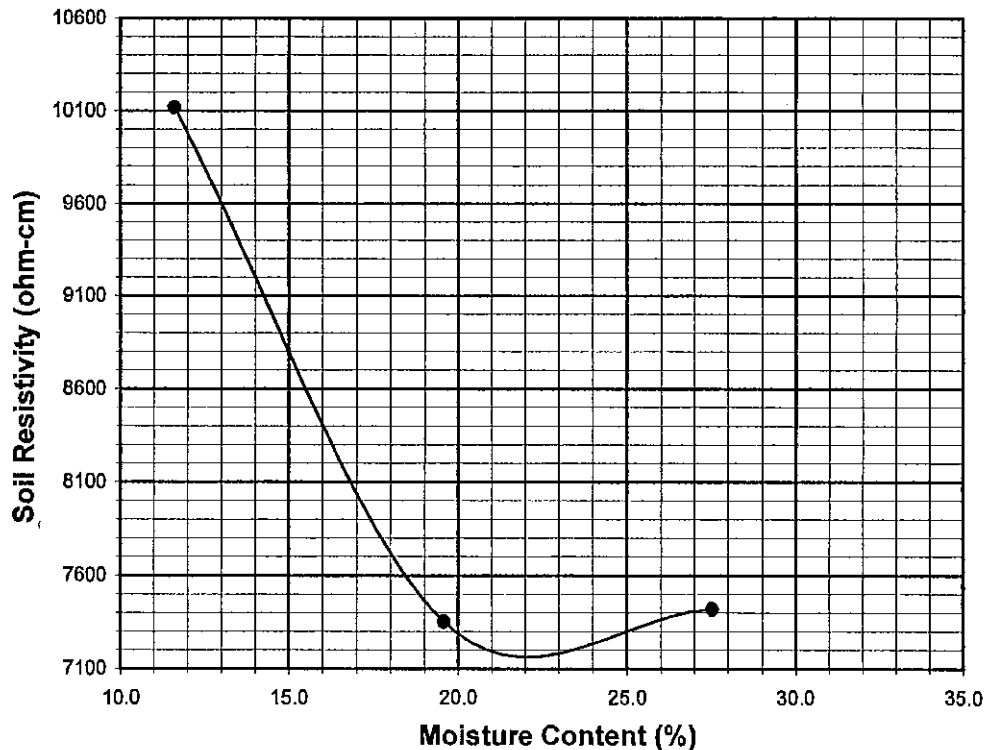
Project Name: Young Homes / MV  
 Project No. : 021164-001  
 Boring No.: TP-8  
 Sample No. : Bag-1  
 Soil Identification: SM

Tested By : VJ  
 Data Input By: LF  
 Depth (ft.) : 2-3

Specimen No.	Water Added (ml) (Wa)	Adjusted Moisture Content (MC)	Resistance Reading (ohm)	Soil Resistivity (ohm-cm)
1	100	11.61	1500	10119
2	200	19.58	1090	7353
3	300	27.56	1100	7421
4				
5				

Moisture Content (%) (Mci)	3.64
Wet Wt. of Soil + Cont. (g)	193.02
Dry Wt. of Soil + Cont. (g)	187.60
Wt. of Container (g)	38.66
Container No.	
Initial Soil Wt. (g) (Wt)	1300.00
Box Constant	6.746
$MC = (((1 + Mci / 100) \times (Wa / Wt + 1)) - 1) \times 100$	

Min. Resistivity (ohm-cm)	Moisture Content (%)	Sulfate Content (ppm)	Chloride Content (ppm)	Soil pH	
				pH	Temp. (°C)
DOT CA Test 532 / 643		DOT CA Test 417 Part II		DOT CA Test 532 / 643	
<b>7170</b>	<b>22.0</b>	<b>47</b>	<b>42</b>	<b>7.07</b>	<b>20.6</b>



## APPENDIX E

## LEIGHTON AND ASSOCIATES, INC.

GENERAL EARTHWORK AND GRADING SPECIFICATIONS FOR ROUGH GRADINGTable of Contents

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LEIGHTON AND ASSOCIATES, INC.  
General Earthwork and Grading Specifications

1.0 General

- 1.1 Intent: These General Earthwork and Grading Specifications are for the grading and earthwork shown on the approved grading plan(s) and/or indicated in the geotechnical report(s). These Specifications are a part of the recommendations contained in the geotechnical report(s). In case of conflict, the specific recommendations in the geotechnical report shall supersede these more general Specifications. Observations of the earthwork by the project Geotechnical Consultant during the course of grading may result in new or revised recommendations that could supersede these specifications or the recommendations in the geotechnical report(s).
- 1.2 The Geotechnical Consultant of Record: Prior to commencement of work, the owner shall employ the Geotechnical Consultant of Record (Geotechnical Consultant). The Geotechnical Consultants shall be responsible for reviewing the approved geotechnical report(s) and accepting the adequacy of the preliminary geotechnical findings, conclusions, and recommendations prior to the commencement of the grading.

Prior to commencement of grading, the Geotechnical Consultant shall review the "work plan" prepared by the Earthwork Contractor (Contractor) and schedule sufficient personnel to perform the appropriate level of observation, mapping, and compaction testing.

During the grading and earthwork operations, the Geotechnical Consultant shall observe, map, and document the subsurface exposures to verify the geotechnical design assumptions. If the observed conditions are found to be significantly different than the interpreted assumptions during the design phase, the Geotechnical Consultant shall inform the owner, recommend appropriate changes in design to accommodate the observed conditions, and notify the review agency where required. Subsurface areas to be geotechnically observed, mapped, elevations recorded, and/or tested include natural ground after it has been cleared for receiving fill but before fill is placed, bottoms of all "remedial removal" areas, all key bottoms, and benches made on sloping ground to receive fill.

The Geotechnical Consultant shall observe the moisture-conditioning and processing of the subgrade and fill materials and perform relative compaction testing of fill to determine the attained level of compaction. The Geotechnical Consultant shall provide the test results to the owner and the Contractor on a routine and frequent basis.



LEIGHTON AND ASSOCIATES, INC.  
General Earthwork and Grading Specifications

- 1.3 The Earthwork Contractor: The Earthwork Contractor (Contractor) shall be qualified, experienced, and knowledgeable in earthwork logistics, preparation and processing of ground to receive fill, moisture-conditioning and processing of fill, and compacting fill. The Contractor shall review and accept the plans, geotechnical report(s), and these Specifications prior to commencement of grading. The

Contractor shall be solely responsible for performing the grading in accordance with the plans and specifications.

The Contractor shall prepare and submit to the owner and the Geotechnical Consultant a work plan that indicates the sequence of earthwork grading, the number of "spreads" of work and the estimated quantities of daily earthwork contemplated for the site prior to commencement of grading. The Contractor shall inform the owner and the Geotechnical Consultant of changes in work schedules and updates to the work plan at least 24 hours in advance of such changes so that appropriate observations and tests can be planned and accomplished. The Contractor shall not assume that the Geotechnical Consultant is aware of all grading operations.

The Contractor shall have the sole responsibility to provide adequate equipment and methods to accomplish the earthwork in accordance with the applicable grading codes and agency ordinances, these Specifications, and the recommendations in the approved geotechnical report(s) and grading plan(s). If, in the opinion of the Geotechnical Consultant, unsatisfactory conditions, such as unsuitable soil, improper moisture condition, inadequate compaction, insufficient buttress key size, adverse weather, etc., are resulting in a quality of work less than required in these specifications, the Geotechnical Consultant shall reject the work and may recommend to the owner that construction be stopped until the conditions are rectified.

2.0 Preparation of Areas to be Filled

- 2.1 Clearing and Grubbing: Vegetation, such as brush, grass, roots, and other deleterious material shall be sufficiently removed and properly disposed of in a method acceptable to the owner, governing agencies, and the Geotechnical Consultant.

The Geotechnical Consultant shall evaluate the extent of these removals depending on specific site conditions. Earth fill material shall not contain more than 1 percent of organic materials (by volume). No fill lift shall contain more than 5 percent of organic matter. Nesting of the organic materials shall not be allowed.

LEIGHTON AND ASSOCIATES, INC.  
General Earthwork and Grading Specifications

If potentially hazardous materials are encountered, the Contractor shall stop work in the affected area, and a hazardous material specialist shall be informed immediately for proper evaluation and handling of these materials prior to continuing to work in that area.

As presently defined by the State of California, most refined petroleum products (gasoline, diesel fuel, motor oil, grease, coolant, etc.) have chemical constituents that are considered to be hazardous waste. As such, the indiscriminate dumping or spillage of these fluids onto the ground may constitute a misdemeanor, punishable by fines and/or imprisonment, and shall not be allowed.

- 2.2 Processing: Existing ground that has been declared satisfactory for support of fill by the Geotechnical Consultant shall be scarified to a minimum depth of 6 inches. Existing ground that is not satisfactory shall be overexcavated as specified in the following section. Scarification shall continue until soils are broken down and free of large clay lumps or clods and the working surface is reasonably uniform, flat, and free of uneven features that would inhibit uniform compaction.
- 2.3 Overexcavation: In addition to removals and overexcavations recommended in the approved geotechnical report(s) and the grading plan, soft, loose, dry, saturated, spongy, organic-rich, highly fractured or otherwise unsuitable ground shall be overexcavated to competent ground as evaluated by the Geotechnical Consultant during grading.
- 2.4 Benching: Where fills are to be placed on ground with slopes steeper than 5:1 (horizontal to vertical units), the ground shall be stepped or benched. Please see the Standard Details for a graphic illustration. The lowest bench or key shall be a minimum of 15 feet wide and at least 2 feet deep, into competent material as evaluated by the Geotechnical Consultant. Other benches shall be excavated a minimum height of 4 feet into competent material or as otherwise recommended by the Geotechnical Consultant. Fill placed on ground sloping flatter than 5:1 shall also be benched or otherwise overexcavated to provide a flat subgrade for the fill.
- 2.5 Evaluation/Acceptance of Fill Areas: All areas to receive fill, including removal and processed areas, key bottoms, and benches, shall be observed, mapped, elevations recorded, and/or tested prior to being accepted by the Geotechnical Consultant as suitable to receive fill. The Contractor shall obtain a written acceptance from the Geotechnical Consultant prior to fill placement. A licensed surveyor shall provide the survey control for determining elevations of processed areas, keys, and benches.

LEIGHTON AND ASSOCIATES, INC.  
General Earthwork and Grading Specifications

3.0 Fill Material

- 3.1 General: Material to be used as fill shall be essentially free of organic matter and other deleterious substances evaluated and accepted by the Geotechnical Consultant prior to placement. Soils of poor quality, such as those with unacceptable gradation, high expansion potential, or low strength shall be placed in areas acceptable to the Geotechnical Consultant or mixed with other soils to achieve satisfactory fill material.
- 3.2 Oversize: Oversize material defined as rock, or other irreducible material with a maximum dimension greater than 8 inches, shall not be buried or placed in fill unless location, materials, and placement methods are specifically accepted by the Geotechnical Consultant. Placement operations shall be such that nesting of oversized material does not occur and such that oversize material is completely surrounded by compacted or densified fill. Oversize material shall not be placed within 10 vertical feet of finish grade or within 2 feet of future utilities or underground construction.
- 3.3 Import: If importing of fill material is required for grading, proposed import material shall meet the requirements of Section 3.1. The potential import source shall be given to the Geotechnical Consultant at least 48 hours (2 working days) before importing begins so that its suitability can be determined and appropriate tests performed.

4.0 Fill Placement and Compaction

- 4.1 Fill Layers: Approved fill material shall be placed in areas prepared to receive fill (per Section 3.0) in near-horizontal layers not exceeding 8 inches in loose thickness. The Geotechnical Consultant may accept thicker layers if testing indicates the grading procedures can adequately compact the thicker layers. Each layer shall be spread evenly and mixed thoroughly to attain relative uniformity of material and moisture throughout.
- 4.2 Fill Moisture Conditioning: Fill soils shall be watered, dried back, blended, and/or mixed, as necessary to attain a relatively uniform moisture content at or slightly over optimum. Maximum density and optimum soil moisture content tests shall be performed in accordance with the American Society of Testing and Materials (ASTM Test Method D1557-91).

LEIGHTON AND ASSOCIATES, INC.  
General Earthwork and Grading Specifications

- 4.3 Compaction of Fill: After each layer has been moisture-conditioned, mixed, and evenly spread, it shall be uniformly compacted to not less than 90 percent of maximum dry density (ASTM Test Method D1557-91). Compaction equipment shall be adequately sized and be either specifically designed for soil compaction or of proven reliability to efficiently achieve the specified level of compaction with uniformity.
- 4.4 Compaction of Fill Slopes: In addition to normal compaction procedures specified above, compaction of slopes shall be accomplished by backrolling of slopes with sheepsfoot rollers at increments of 3 to 4 feet in fill elevation, or by other methods producing satisfactory results acceptable to the Geotechnical Consultant. Upon completion of grading, relative compaction of the fill, out to the slope face, shall be at least 90 percent of maximum density per ASTM Test Method D1557-91.
- 4.5 Compaction Testing: Field tests for moisture content and relative compaction of the fill soils shall be performed by the Geotechnical Consultant. Location and frequency of tests shall be at the Consultant's discretion based on field conditions encountered. Compaction test locations will not necessarily be selected on a random basis. Test locations shall be selected to verify adequacy of compaction levels in areas that are judged to be prone to inadequate compaction (such as close to slope faces and at the fill/bedrock benches).
- 4.6 Frequency of Compaction Testing: Tests shall be taken at intervals not exceeding 2 feet in vertical rise and/or 1,000 cubic yards of compacted fill soils embankment. In addition, as a guideline, at least one test shall be taken on slope faces for each 5,000 square feet of slope face and/or each 10 feet of vertical height of slope. The Contractor shall assure that fill construction is such that the testing schedule can be accomplished by the Geotechnical Consultant. The Contractor shall stop or slow down the earthwork construction if these minimum standards are not met.
- 4.7 Compaction Test Locations: The Geotechnical Consultant shall document the approximate elevation and horizontal coordinates of each test location. The Contractor shall coordinate with the project surveyor to assure that sufficient grade stakes are established so that the Geotechnical Consultant can determine the test locations with sufficient accuracy. At a minimum, two grade stakes within a horizontal distance of 100 feet and vertically less than 5 feet apart from potential test locations shall be provided.

LEIGHTON AND ASSOCIATES, INC.  
General Earthwork and Grading Specifications

5.0 Subdrain Installation

Subdrain systems shall be installed in accordance with the approved geotechnical report(s), the grading plan, and the Standard Details. The Geotechnical Consultant may recommend additional subdrains and/or changes in subdrain extent, location, grade, or material depending on conditions encountered during grading. All subdrains shall be surveyed by a land surveyor/civil engineer for line and grade after installation and prior to burial. Sufficient time should be allowed by the Contractor for these surveys.

6.0 Excavation

Excavations, as well as over-excavation for remedial purposes, shall be evaluated by the Geotechnical Consultant during grading. Remedial removal depths shown on geotechnical plans are estimates only. The actual extent of removal shall be determined by the Geotechnical Consultant based on the field evaluation of exposed conditions during grading. Where fill-over-cut slopes are to be graded, the cut portion of the slope shall be made, evaluated, and accepted by the Geotechnical Consultant prior to placement of materials for construction of the fill portion of the slope, unless otherwise recommended by the Geotechnical Consultant.

7.0 Trench Backfills

7.1 Safety: The Contractor shall follow all OSHA and Cal/OSHA requirements for safety of trench excavations.

7.2 Bedding and Backfill: All bedding and backfill of utility trenches shall be done in accordance with the applicable provisions of Standard Specifications of Public Works Construction. Bedding material shall have a Sand Equivalent greater than 30 (SE>30). The bedding shall be placed to 1 foot over the top of the conduit and densified by jetting. Backfill shall be placed and densified to a minimum of 90 percent of maximum from 1 foot above the top of the conduit to the surface.

The Geotechnical Consultant shall test the trench backfill for relative compaction. At least one test should be made for every 300 feet of trench and 2 feet of fill.

7.3 Lift Thickness: Lift thickness of trench backfill shall not exceed those allowed in the Standard Specifications of Public Works Construction unless the Contractor can demonstrate to the Geotechnical Consultant that the fill lift can be compacted to the minimum relative compaction by his alternative equipment and method.

7.4 Observation and Testing: The jetting of the bedding around the conduits shall be observed by the Geotechnical Consultant.





May 9, 2014

Project No. 14541-11A

Mr. Jason Keller  
**MISSION PACIFIC LAND COMPANY**  
 3649 Mission Inn Avenue  
 1<sup>st</sup> Floor Rotunda  
 Riverside, CA 92501

**Subject: Interpretive Report for Infiltration System Design, Proposed Residential Development, Located at the Northeast Corner of Indian Avenue and Santiago Street City of Moreno Valley, Riverside County, California**

Earth-Strata, Inc. is pleased to present this interpretive report for the proposed development, located at the northeast corner of Indian Avenue and Santiago Street in the City of Moreno Valley, Riverside County, California. The purpose of our study was to determine the infiltration rates and physical characteristics of the subsurface earth materials within the proposed development. We have provided guidelines for the design of onsite detention basins, where applicable. This study is intended to provide onsite infiltration rates for the earth materials at the approximate depth near the proposed porous pavement areas.

#### **PROPERTY DESCRIPTION**

The subject property is located at northwest corner of Indian Avenue and Santiago Street in the City of Moreno Valley, Riverside County, California (see Figure 1). The subject property consists of a developed parcel of land with relatively flat terrain. The subject property is underlain by undocumented fill and alluvium (Qal).

#### **PROPOSED CONSTRUCTION**

Based on information provided by you, the proposed development will consist of single family residences which include interior driveways, utilities and hardscape.

#### **SUBSURFACE EXPLORATION AND INFILTRATION TESTING**

##### **SUBSURFACE EXPLORATION**

Subsurface exploration of the subject site consisted of 2 exploratory excavations to a depth of 6 feet, conducted on May 7, 2014. The exploratory holes were excavated to evaluate insitu permeability rates for the soil below the porous pavement. The approximate location of the exploratory excavations are shown on the attached Infiltration Location Map, Plate 1.

##### **EARTH MATERIALS**

A general description of the earth materials observed on site is provided below.

- Quaternary Alluvium (map symbol Qal): Quaternary alluvium was encountered to a maximum depth explored. These alluvial deposits consist predominately of interlayered brown to gray brown, fine to coarse grained silty sand. These deposits were generally noted to be in a slightly moist to moist, loose to medium dense state.



**GROUNDWATER**

Groundwater was not observed within the exploratory excavations.

**INFILTRATION TESTING**

The continuous presoak test method was utilized to perform a total of two (2) infiltration tests on May 7, 2014 to evaluate near surface infiltration rates in order to estimate the amount of storm water runoff that can percolate into the onsite bio swale retention basins. The infiltration tests were performed in general accordance with the requirements of insitu infiltration testing.

The infiltration tests were performed within 8 inch holes, 6 feet deep. The locations of the infiltration test holes are indicated on the attached Infiltration Location Map, Plate 1. The infiltration test holes were located by property boundary measurement on the site plan and by using geographic features. For the continuous presoak testing method, the pipe was filled with water and allowed to stand.

After the presoak, testing was performed by adjusting the water level. The drop in water level was measured from a fixed initial reference point for more reliable readings, with measurements having an accuracy of 1/8-inch. After each measurement, the water level was brought up to the original test level. Infiltration test data recorded in the field is summarized in the following table and is included within Appendix A.

**INFILTRATION TEST SUMMARY**

TEST NUMBER	INFILTRATION HOLE DEPTH (ft.)	INFILTRATION RATE (cm/sec)	DESCRIPTION
P-1	6	5	Silty SAND
P-2	6	3	Silty SAND

The infiltration test rates ranged from 3 to 5 minutes per inch (mpi).

**CONCLUSIONS AND RECOMMENDATIONS**

Based on the data presented in this report and the recommendations set forth herein, it is the opinion of Earth-Strata that the retention basin can be designed for a infiltration rate of 5 mpi.

The following equation was used in order to convert the infiltration rate to infiltration rate.

$$i_c = \frac{\Delta H (60) r}{\Delta t (r + 2H_{avg})}$$

The design infiltration rate of 5 mpi is equalvent to 0.45 inch/hour.

**GRADING PLAN REVIEW AND CONSTRUCTION SERVICES**

This report has been prepared for the exclusive use of **Mr. Jason Keller** and their authorized representative. It likely does not contain sufficient information for other parties or other uses. Earth-Strata should be engaged to review the final design plans and specifications prior to construction. This is to verify that the recommendations contained in this report have been properly incorporated into the project plans and specifications. Should Earth-Strata not be accorded the opportunity to review the project plans and specifications, we are not responsibility for misinterpretation of our recommendations.

Earth-Strata should be retained to provide observations during construction to validate this report. In order to allow for design changes in the event that the subsurface conditions differ from those anticipated prior to construction.

Earth-Strata should review any changes in the project and modify and approve in writing the conclusions and recommendations of this report. This report and the drawings contained within are intended for design input purposes only and are not intended to act as construction drawings or specifications. In the event that conditions encountered during grading or construction operations appear to be different than those indicated in this report, this office should be notified immediately, as revisions may be required.

**REPORT LIMITATIONS**

Our services were performed using the degree of care and skill ordinarily exercised, under similar circumstances, by reputable soils engineers and geologists, practicing at the time and location this report was prepared. No other warranty, expressed or implied, is made as to the conclusions and professional advice included in this report.

Earth materials vary in type, strength, and other geotechnical properties between points of observation and exploration. Groundwater and moisture conditions can also vary due to natural processes or the works of man on this or adjacent properties. As a result, we do not and cannot have complete knowledge of the subsurface conditions beneath the subject property. No practical study can completely eliminate uncertainty with regard to the anticipated geotechnical conditions in connection with a subject property. The conclusions and recommendations within this report are based upon the findings at the points of observation and are subject to confirmation by Earth-Strata during construction. This report is considered valid for a period of one year from the time the report was issued.

This report was prepared with the understanding that it is the responsibility of the owner or their representative, to ensure that the conclusions and recommendations contained herein are brought to the attention of the other project consultants and are incorporated into the plans and specifications. The owners' contractor should properly implement the conclusions and recommendations during grading and construction, and notify the owner if they consider any of the recommendations presented herein to be unsafe or unsuitable.

Respectfully submitted,

EARTH-STRATA, INC.

Stephen M. Poole, PE 40219  
President  
Principal Engineer



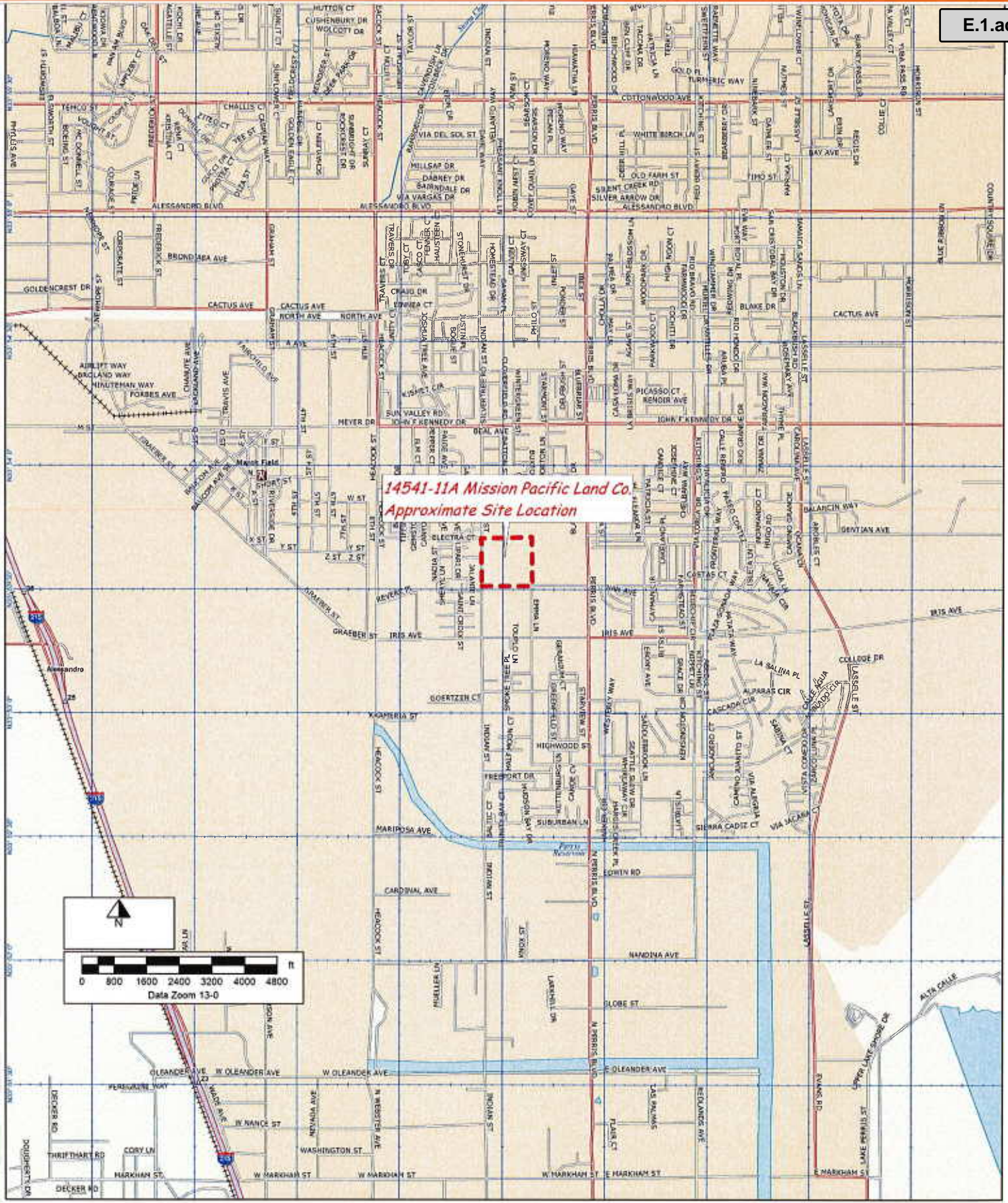
SMP/ca

Distribution: (2) Addressee

- Attachments: Figure 1 - Vicinity Map *(Rear of Text)*
- Appendix A - Exploratory Logs *(Rear of Text)*
- Appendix B - Infiltration Test Sheets *(Rear of Text)*
- Plate 1 - Infiltration Location Map *(Rear of Text)*

**FIGURE 1**  
**VICINITY MAP**





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Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

# APPENDIX A

## EXPLORATORY LOGS



## Geotechnical Boring Log B-1

Date: May 6, 2014	Project Name: Moreno Valley	Page: 1 of 1
Project Number: 14541-11A	Logged By: SMP	
Drilling Company: Drilling It	Type of Rig: CME 45B	
Drive Weight (lbs): 140	Drop (in): 30	Hole Diameter (in): 8
Top of Hole Elevation (ft):	Hole Location: See Geotechnical Map	

Depth (ft)	Blow Count Per Foot	Sample Number	Dry Density (pcf)	Moisture (%)	Classification Symbol	MATERIAL DESCRIPTION
0					SM	<p><b>Quaternary Alluvium (Qal):</b>                      Silty <b>SAND</b>, Brown to Gray Brown, fine to coarse grained, slightly moist to moist, loose to medium dense</p>
5						
10						
15						
20						
25						
30						

42217 Rio Nedo Rd., Suite A-104, Temecula CA 92590



Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A



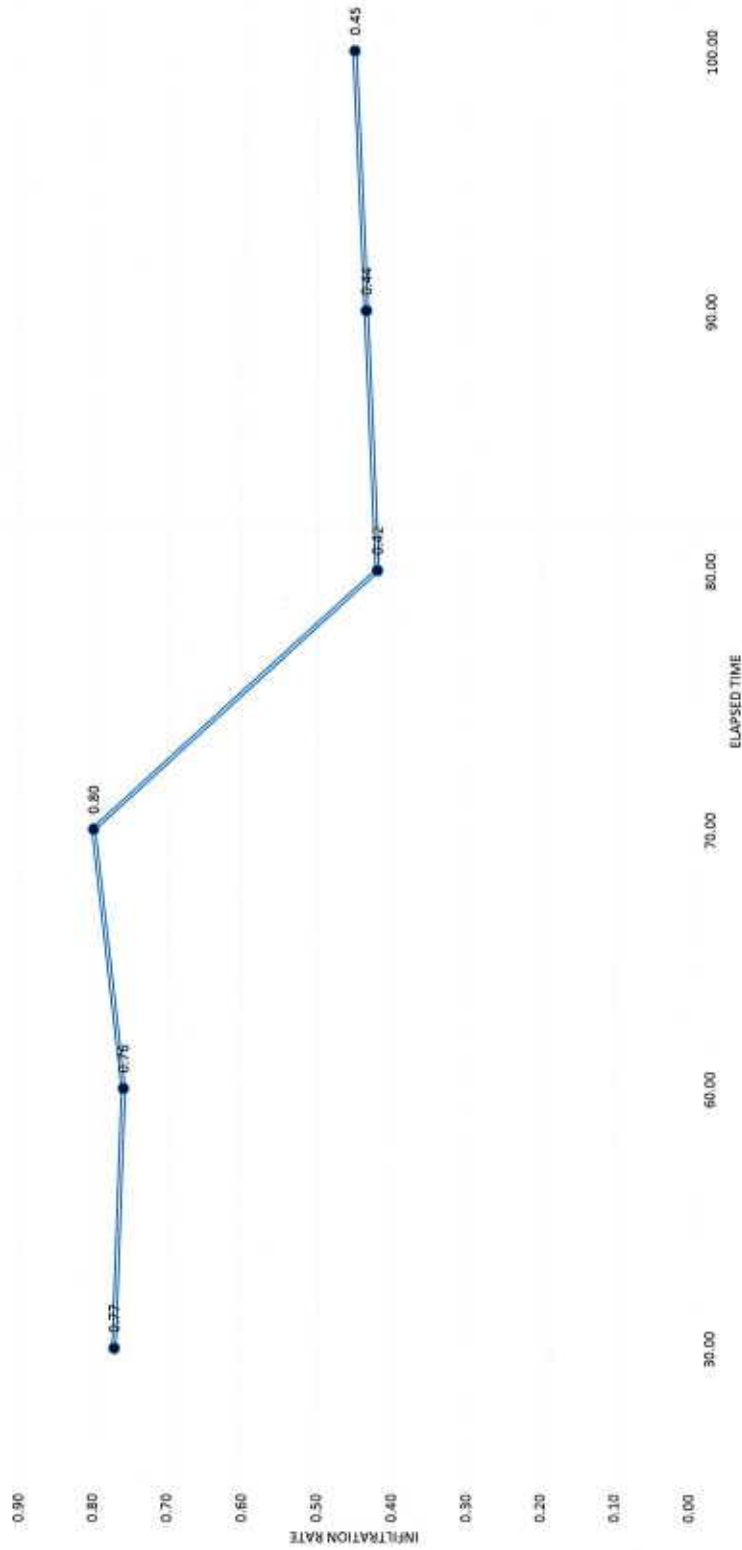
# APPENDIX B

## INFILTRATION TEST SHEETS



Job No.: 14541-11A  
Job Name: Moreno Valley, Indian Avenue  
Test Hole Number: P-1

### ELAPSED TIME VS. INFILTRATION RATE





Job No.: 14541-11A  
Job Name: Moreno Valley, Indian Avenue  
Test Hole Number: P-2

### ELAPSED TIME VS. INFILTRATION RATE





GENTIAN AVE.

INDIAN AVE.

PARK

AQUADUCT

EMMA ST

### LEGEND

Locations are Approximate

#### Symbols



Limits of Report



Percolation Test Location



Percolation Monitoring Well Location



## PERCOLATION MAP

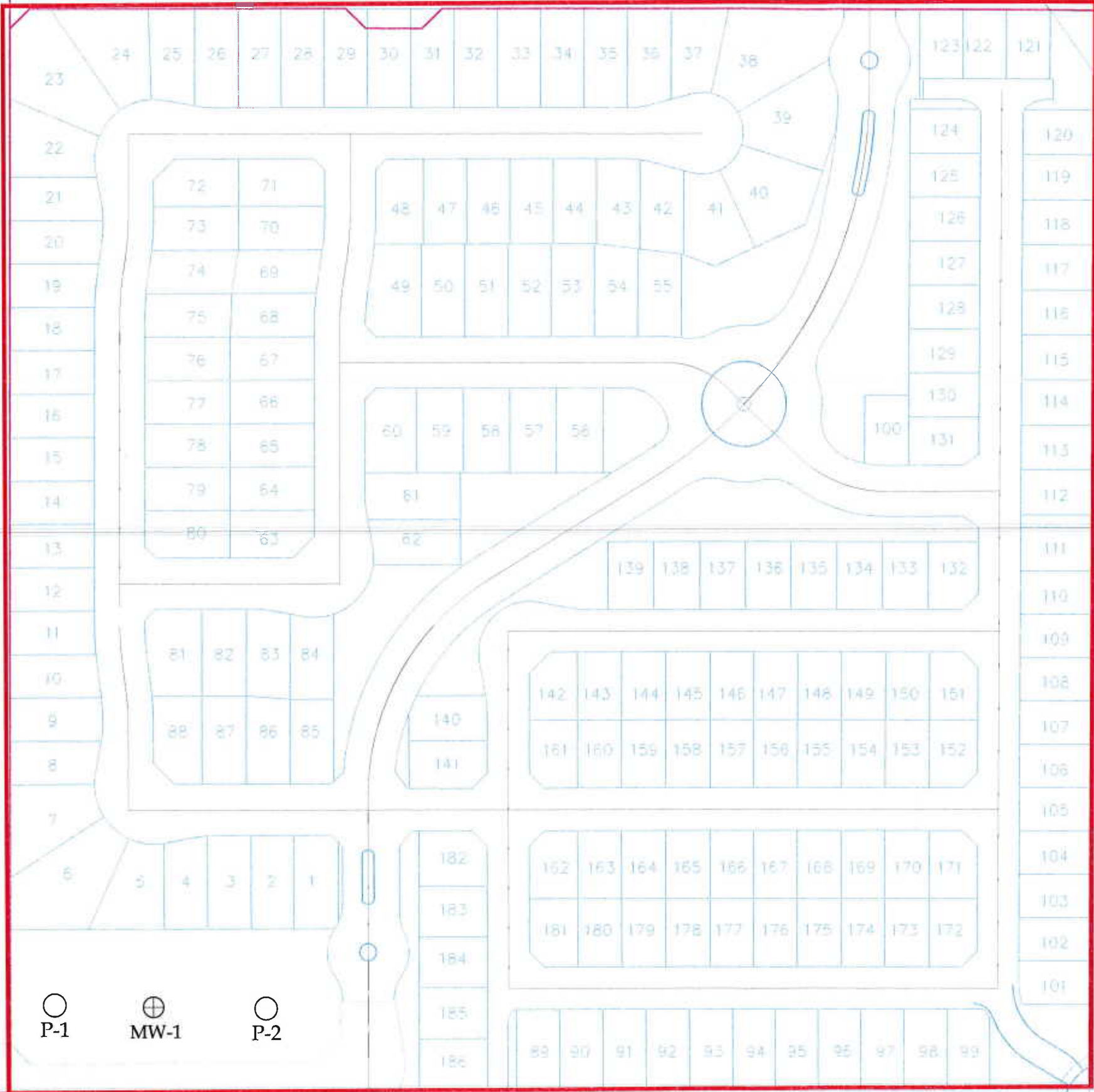
LOCATED EAST OF INDIAN AVE., SOUTH OF GENETIAN AVE.  
CITY OF MORENO VALLEY  
RIVERSIDE COUNTY, CALIFORNIA

PROJECT	MISSION VALLEY LAND COMPANY		
CLIENT	MR. JASON KELLER		
PROJECT NO.	14541-11A		
DATE	MAY 2014		
SCALE	1:40		
DWG XREFS			
REVISION			
DRAWN BY	CS	PLATE	1 OF 1

*Earth - Strata, Inc.*  
Geotechnical, Environmental and Materials Testing Consultants

BETTER PEOPLE • BETTER SERVICE • BETTER RES

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A





# Appendix 4: Historical Site Conditions

*Phase I Environmental Site Assessment or Other Information on Past Site Use*

Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

# Appendix 5: LID Infeasibility

*LID Technical Infeasibility Analysis*

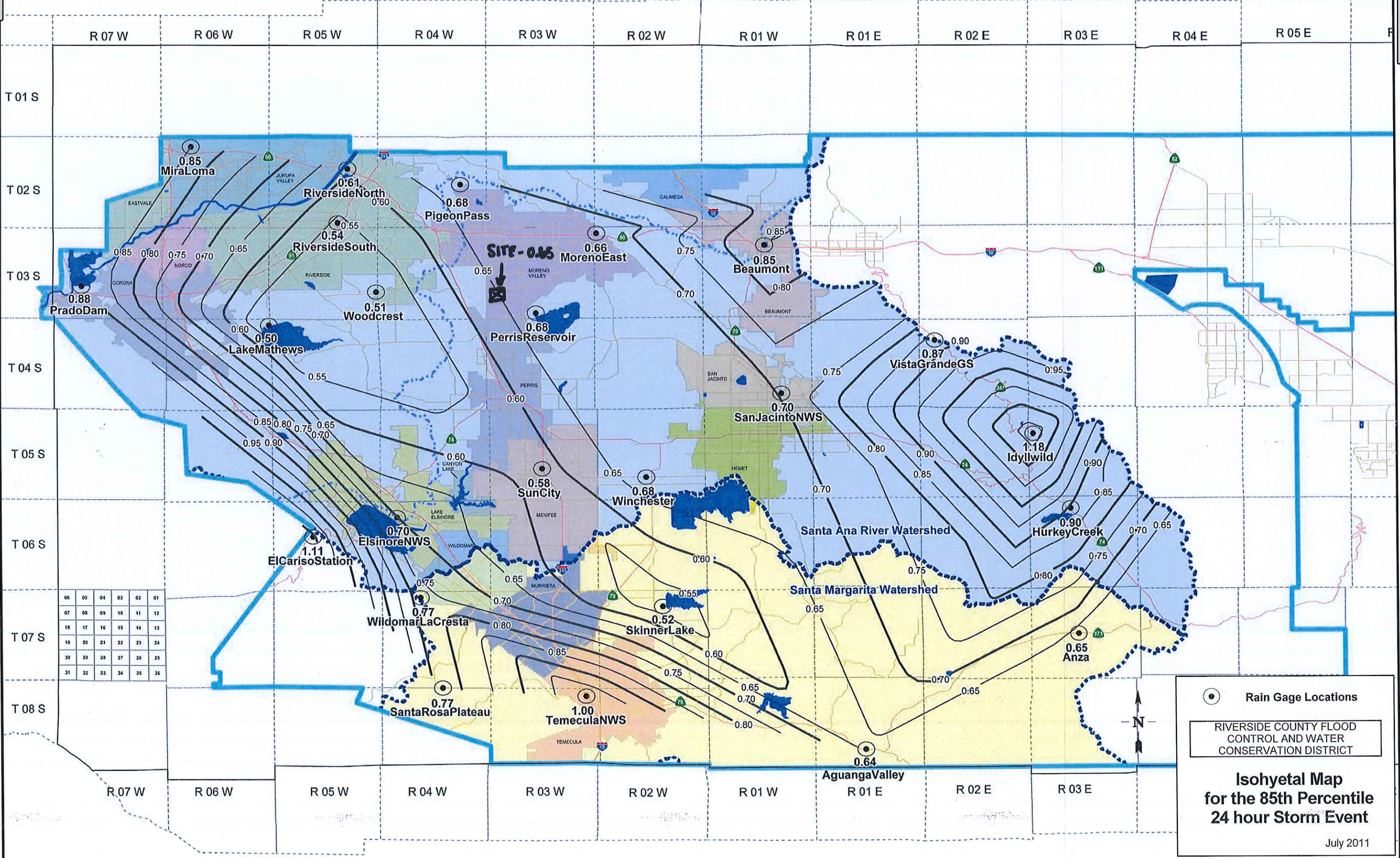
(NOT APPLICABLE)

# Appendix 6: BMP Design Details

*BMP Sizing, Design Details and other Supporting Documentation*

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A





06	05	04	03	02	01
07	08	09	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

● Rain Gage Locations

RIVERSIDE COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

**Isohyetal Map for the 85th Percentile 24 hour Storm Event**

July 2011



**Santa Ana Watershed - BMP Design Volume,  $V_{BMP}$**   
 (Rev. 10-2011)

Legend:  Required Entries  
 Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook** )*

Company Name **REC** Date **6/8/2015**  
 Designed by **TMG** Case No   
 Company Project Number/Name **16464B Legacy Park**

**BMP Identification**

BMP NAME / ID **Area 100 West**  
*Must match Name/ID used on BMP Design Calculation Sheet*

**Design Rainfall Depth**

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E  $D_{85} =$  **0.65** inches

**Drainage Management Area Tabulation**

*Insert additional rows if needed to accommodate all DMAs draining to the BMP*

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, $I_f$	DMA Runoff Factor	DMA Areas x Runoff Factor	Design Storm Depth (in)	Design Capture Volume, $V_{BMP}$ (cubic feet)	Proposed Volume on Plans (cubic feet)
D-100	320442	Concrete or Asphalt	1	0.89	285834.3			
D-100	727285	Roofs	1	0.89	648738.2			
D-100	571926	Ornamental Landscaping	0.1	0.11	63173.8			
<b>Total</b>					<b>997746.3</b>			

Notes:  
 The design capture volume is stored in the sub-surface media and gravel layers, with excess water not exceeding a maximum of 6" ponded depth (see attached calculation sheet titled "Ponded Depth Calc"). The actual basin volume exceeds the proposed  $V_{bmp}$  for hydrology detetention requirements.

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

Bioretention Facility - Design Procedure	BMP ID	Legend:	Required Entries
	D-100		Calculated Cells

Company Name:	REC	Date:	6/18/2015
Designed by:	ROG	County/City Case No.:	

**Design Volume**

Enter the area tributary to this feature A<sub>T</sub> = 36.2 acres  
 Enter V<sub>BMP</sub> determined from Section 2.1 of this Handbook V<sub>BMP</sub> = 54,045 ft<sup>3</sup>

**Type of Bioretention Facility Design**

- Side slopes required (parallel to parking spaces or adjacent to walkways)
- No side slopes required (perpendicular to parking space or Planter Boxes)

**Bioretention Facility Surface Area**

Depth of Soil Filter Media Layer d<sub>S</sub> = 3.0 ft

Top Width of Bioretention Facility, excluding curb w<sub>T</sub> = 130.0 ft

Total Effective Depth, d<sub>E</sub>  
 $d_E = (0.3) \times d_S + (0.4) \times 1 - (0.7/w_T) + 0.5$  d<sub>E</sub> = 1.79 ft

Minimum Surface Area, A<sub>m</sub>  
 $A_M (ft^2) = \frac{V_{BMP} (ft^3)}{d_E (ft)}$  A<sub>M</sub> = 30,115 ft<sup>2</sup>

Proposed Surface Area A = 31,934 ft<sup>2</sup>

**Bioretention Facility Properties**

Side Slopes in Bioretention Facility z = 4 :1

Diameter of Underdrain 6 inches

Longitudinal Slope of Site (3% maximum) 0 %

6" Check Dam Spacing 0 feet

Describe Vegetation: Natural Grasses

Notes:

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A



**Santa Ana Watershed - BMP Design Volume,  $V_{BMP}$**   
(Rev. 10-2011)

Legend:  Required Entries  
 Calculated Cells

*(Note this worksheet shall **only** be used in conjunction with BMP designs from the **LID BMP Design Handbook** )*

Company Name **REC** Date **6/8/2015**  
 Designed by **TMG** Case No   
 Company Project Number/Name **16464B Legacy Park**

**BMP Identification**

BMP NAME / ID **Area 200 East**  
*Must match Name/ID used on BMP Design Calculation Sheet*

**Design Rainfall Depth**

85th Percentile, 24-hour Rainfall Depth, from the Isohyetal Map in Handbook Appendix E  $D_{85} =$  **0.65** inches

**Drainage Management Area Tabulation**

*Insert additional rows if needed to accommodate all DMAs draining to the BMP*

DMA Type/ID	DMA Area (square feet)	Post-Project Surface Type	Effective Imperivous Fraction, $I_f$	DMA Runoff Factor	DMA Areas x Runoff Factor	Design Storm Depth (in)	Design Capture Volume, $V_{BMP}$ (cubic feet)	Proposed Volume on Plans (cubic feet)
D-200	118702	Concrete or Asphalt	1	0.89	105882.2			
D-200	230892	Roofs	1	0.89	205955.7			
D-200	193462	Ornamental Landscaping	0.1	0.11	21369.4			
<b>543056</b>	<b>Total</b>				<b>333207.3</b>			

Notes:  
 The design capture volume is stored in the sub-surface media and gravel layers, with excess water not exceeding a maximum of 6" ponded depth (see attached calculation sheet titled "Ponded Depth Calc"). The actual basin volume exceeds the proposed  $V_{bmp}$  for hydrology detention requirements.

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

Bioretention Facility - Design Procedure	BMP ID	Legend:	Required Entries
	D-200		Calculated Cells

Company Name:	REC	Date:	6/18/2015
Designed by:	ROG	County/City Case No.:	

**Design Volume**

Enter the area tributary to this feature	$A_T =$	12.5	acres
Enter $V_{BMP}$ determined from Section 2.1 of this Handbook	$V_{BMP} =$	18,049	ft <sup>3</sup>

**Type of Bioretention Facility Design**

- Side slopes required (parallel to parking spaces or adjacent to walkways)
- No side slopes required (perpendicular to parking space or Planter Boxes)

**Bioretention Facility Surface Area**

Depth of Soil Filter Media Layer	$d_S =$	2.0	ft
Top Width of Bioretention Facility, excluding curb	$w_T =$	74.0	ft
Total Effective Depth, $d_E$ $d_E = (0.3) \times d_S + (0.4) \times 1 - (0.7/w_T) + 0.5$	$d_E =$	1.49	ft
Minimum Surface Area, $A_m$ $A_M (ft^2) = \frac{V_{BMP} (ft^3)}{d_E (ft)}$	$A_M =$	12,110	ft <sup>2</sup>
Proposed Surface Area	$A =$	27,885	ft <sup>2</sup>

**Bioretention Facility Properties**

Side Slopes in Bioretention Facility	$z =$	4	:1
Diameter of Underdrain		6	inches
Longitudinal Slope of Site (3% maximum)		0	%
6" Check Dam Spacing		0	feet
Describe Vegetation:	Natural Grasses		

Notes:

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Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

WEST BASIN #100

DESIGN CAPTURE VOLUME (VBMP)  $\approx 54,045 \text{ ft}^3 = 1.2 \text{ AC-FT}$

SUB-SURFACE STORAGE:

$$\left\{ \begin{array}{l} \text{BOTTOM OF BASIN SURFACE AREA} = 31,934 \text{ ft}^2 \\ 36" \text{ SOIL MEDIA LAYER @ } 30\% \text{ POROSITY} \\ 12" \text{ GRAVEL LAYER @ } 40\% \text{ POROSITY} \end{array} \right\}$$

$$\text{VOLUME IN (12") GRAVEL LAYER} = (1 \text{ ft} \times 31,934 \text{ ft}^2) \times 0.4 = 12,774 \text{ ft}^3$$

$$\text{VOLUME IN (36") SOIL MEDIA} = (3 \text{ ft} \times 31,934 \text{ ft}^2) \times 0.3 = 28,741 \text{ ft}^3$$

$$\text{SUM OF SUB-SURFACE STORAGE VOLUME} = \underline{\underline{41,515 \text{ ft}^3}}$$

$$\text{REMAINING VOLUME} = 54,045 \text{ ft}^3 - 41,515 \text{ ft}^3 = 12,530 \text{ ft}^3$$

$$\text{BASIN VOLUME @ 6" ABOVE BASIN BOTTOM} = 15,882 \text{ ft}^3$$

$\therefore$  PONDED DEPTH  $< 6"$

EAST BASIN #200

DESIGN CAPTURE VOLUME =  $18,049 \text{ ft}^3 = 0.4 \text{ AC-FT}$

SUB-SURFACE STORAGE:

$$\left\{ \begin{array}{l} \text{BOTTOM OF BASIN SURFACE AREA} = 27,885 \text{ ft}^2 \\ 24" \text{ SOIL MEDIA @ } 30\% \text{ POROSITY} \\ 12" \text{ GRAVEL LAYER @ } 40\% \text{ POROSITY} \end{array} \right\}$$

$$\text{VOLUME IN (12") GRAVEL LAYER} = (1 \text{ ft} \times 27,885 \text{ ft}^2) \times 0.4 = 11,154 \text{ ft}^3$$

$$\text{VOLUME IN (24") SOIL MEDIA} = (2 \text{ ft} \times 27,885 \text{ ft}^2) \times 0.3 = 16,731 \text{ ft}^3$$

$$\text{SUM OF SUB-SURFACE STORAGE VOLUME} = \underline{\underline{27,885 \text{ ft}^3}}$$

$\therefore$  PONDED DEPTH  $< 6"$

# APPENDIX E

## BMP POLLUTANT REMOVAL EFFECTIVENESS

**BMP Pollutant Removal Effectiveness <sup>(1)</sup>**

Pollutant of Concern	Harvest and Use <sup>(8)</sup>	Infiltration on BMPs <sup>(3)</sup>	Bioretention	Extended Detention Basins <sup>(2)</sup>	Sand Filter Basin <sup>(7)</sup>
Sediment	H	H	H	M	H
Nutrient	H	H	(5)	M <sup>(4)</sup>	L <sup>(6)</sup>
Trash	H	H	H	H	H
Metal	H	H	H	M	M
Bacteria	H	H	H	M	M
Oil & Grease	H	H	H	M	H
Organic Compounds	H	H	H	M	H
Pesticides	H	H	H	U	U

**Abbreviations:**

L: Low removal efficiency    M: Medium removal efficiency    H: High removal efficiency    U: Unknown

**Notes:**

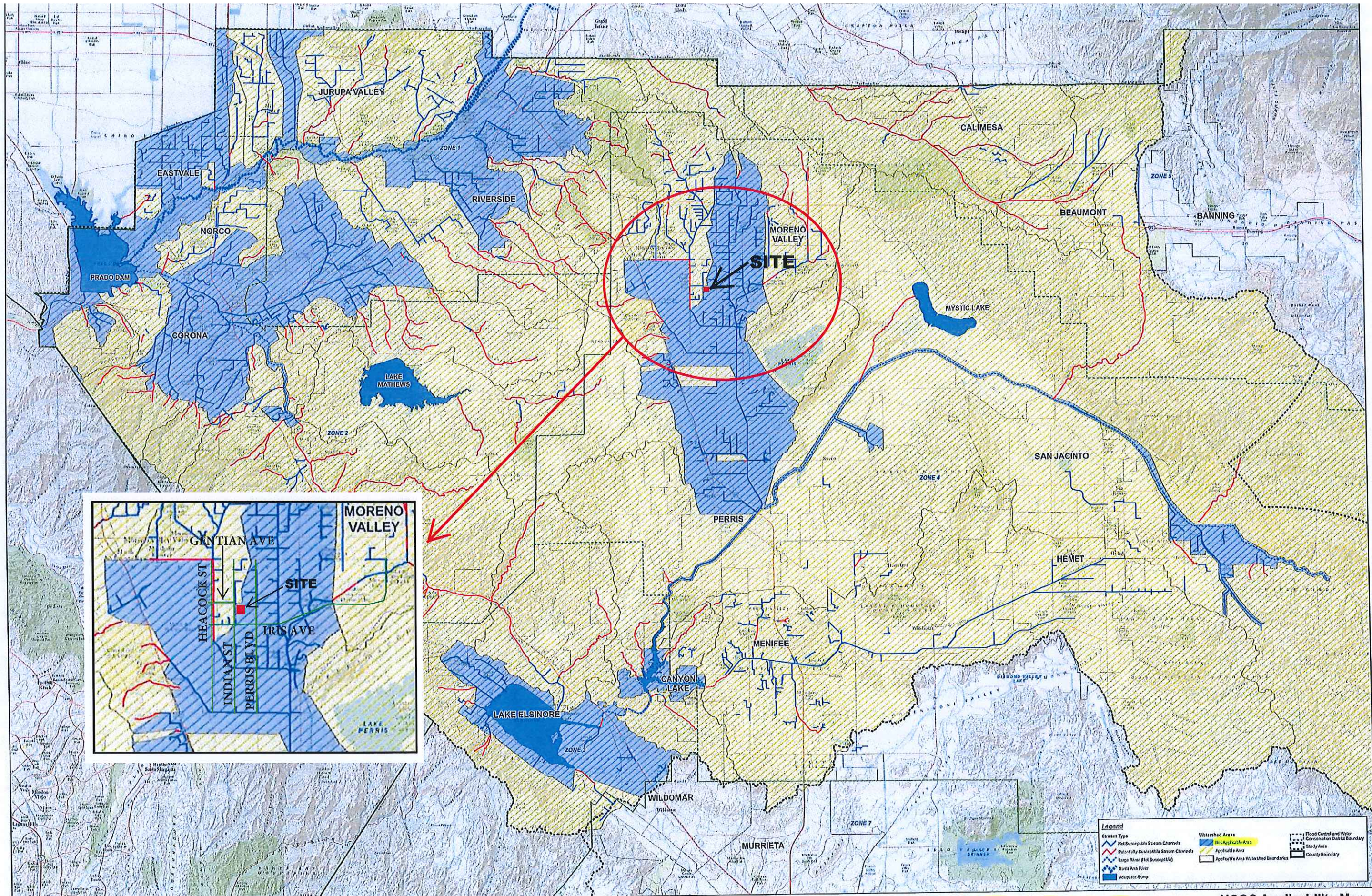
- (1) Periodic performance assessment and updating of this table may be performed based on updated information from studies from the District, CASQA, Caltrans or others. These effectiveness ratings are based on the specific BMP designs incorporated into this manual.
- (2) Effectiveness based upon total 72-hour drawdown time.
- (3) Includes infiltration basins, infiltration trenches, and permeable pavements.
- (4) Medium for soil types A & B only. Low for soil types C & D.
- (5) Removal rating is dependent on the soil media depth. L=Min. 18" deep, M= Min. 24" deep, H=Max. 30"-36" deep.
- (6) Medium where sand filter layer is increased to 36".
- (7) Considered to be a Treatment Control BMP. See the WQMP to determine if this BMP can be used.
- (8) Cisterns, when associated with an adequate and reliable (year-round) demand for non-potable use of captured storm water (see the applicable WQMP for any specific requirements), have a High effectiveness at removing all pollutants from stormwater runoff. If there is inadequate demand to reliably drain the cistern through a non-potable use throughout the year, pollutant removal effectiveness will be Low.

# Appendix 7: Hydromodification

*Supporting Detail Relating to Hydrologic Conditions of Concern*

Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A





Legend	
	Stream Type
	Not Susceptible Stream Channels
	Potentially Susceptible Stream Channels
	Large River (Not Susceptible)
	Surf Ana River
	Adequate Sump
	Watershed Areas
	Not Applicable Area
	Applicable Area
	Applicable Area Watershed Boundaries
	Flood Control and Water Conservation District Boundary
	Study Area
	County Boundary

NOT APPLICABLE AREA

**HCOC Applicability Map**  
 Hydromodification Susceptibility Documentation Report and Mapping  
 Riverside County Flood Control and Water Conservation District  
 Map 2



# Appendix 8: Source Control

*Pollutant Sources/Source Control Checklist*

Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

<p style="text-align: center;">1 Potential Sources of Runoff Pollutants</p>	<p style="text-align: center;">2 Permanent Controls—Shown on WQMP Drawings</p>	<p style="text-align: center;">3 Permanent Controls—Listed in WQMP Table and Narrative</p>	<p style="text-align: center;">4 Operational BMPs—Included in WQMP Table and Narrative</p>
<p><input checked="" type="checkbox"/> A. On-site storm drain inlets</p>	<p><input checked="" type="checkbox"/> On-site storm drain inlets</p>	<p><input checked="" type="checkbox"/> Mark all inlets with the words “Only Rain Down the Storm Drain” or similar. Catch Basin Markers may be available from the Riverside County Flood Control and Water Conservation District, call 951.955.1200 to verify.</p>	<p><input checked="" type="checkbox"/> Maintain and periodically repaint or replace inlet markings.</p> <p><input checked="" type="checkbox"/> Provide stormwater pollution prevention information to new site owners, lessees, or operators.</p> <p><input checked="" type="checkbox"/> See applicable operational BMPs in Fact Sheet SC-44, “Drainage System Maintenance,” in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a></p> <p><input checked="" type="checkbox"/> Include the following in lease agreements: “Tenant shall not allow anyone to discharge anything to storm drains or to store or deposit materials so as to create a potential discharge to storm drains.”</p>
<p><input type="checkbox"/> B. Interior floor drains and elevator shaft sump pumps</p>		<p><input type="checkbox"/> State that interior floor drains and elevator shaft sump pumps will be plumbed to sanitary sewer.</p>	<p><input type="checkbox"/> Inspect and maintain blockages and overflow.</p>
<p><input type="checkbox"/> C. Interior parking garages</p>		<p><input type="checkbox"/> State that parking garage floor drains will be plumbed to the sanitary sewer.</p>	<p><input type="checkbox"/> Inspect and maintain blockages and overflow.</p>

<p style="text-align: center;"><b>1</b> Potential Sources of Runoff Pollutants</p>	<p style="text-align: center;"><b>2</b> Permanent Controls—Shown on WQMP Drawings</p>	<p style="text-align: center;"><b>3</b> Permanent Controls—Listed in WQMP Table and Narrative</p>	<p style="text-align: center;"><b>4</b> Operational BMPs—Included in WQMP Table and Narrative</p>
<p><input type="checkbox"/> D1. Need for future indoor &amp; structural pest control</p>		<p><input type="checkbox"/> Note building design features that discourage entry of pests.</p>	<p><input type="checkbox"/> Provide Integrated Pest Management information to owners, lessees, and operators.</p>
<p><input checked="" type="checkbox"/> D2. Landscape/ Outdoor Pesticide Use</p>	<p><input checked="" type="checkbox"/> Show locations of native trees or areas of shrubs and ground cover to be undisturbed and retained.</p> <p><input checked="" type="checkbox"/> Show self-retaining landscape areas, if any.</p> <p><input checked="" type="checkbox"/> Show stormwater treatment and hydrograph modification management BMPs. (See instructions in Chapter 3, Step 5 and guidance in Chapter 5.)</p>	<p>State that final landscape plans will accomplish all of the following.</p> <p><input type="checkbox"/> Preserve existing native trees, shrubs, and ground cover to the maximum extent possible.</p> <p><input checked="" type="checkbox"/> Design landscaping to minimize irrigation and runoff, to promote surface infiltration where appropriate, and to minimize the use of fertilizers and pesticides that can contribute to stormwater pollution.</p> <p><input checked="" type="checkbox"/> Where landscaped areas are used to retain or detain stormwater, specify plants that are tolerant of saturated soil conditions.</p> <p><input checked="" type="checkbox"/> Consider using pest-resistant plants, especially adjacent to hardscape.</p> <p><input checked="" type="checkbox"/> To insure successful establishment, select plants appropriate to site soils, slopes, climate, sun, wind, rain, land use, air movement, ecological consistency, and plant interactions.</p>	<p><input checked="" type="checkbox"/> Maintain landscaping using minimum or no pesticides.</p> <p><input checked="" type="checkbox"/> See applicable operational BMPs in “What you should know for.....Landscape and Gardening” at <a href="http://rcflood.org/stormwater/Downloads/LandscapeGardenBrochure.pdf">http://rcflood.org/stormwater/Downloads/LandscapeGardenBrochure.pdf</a></p> <p><input checked="" type="checkbox"/> Provide IPM information to new owners, lessees and operators.</p>

<p style="text-align: center;"><b>1</b> Potential Sources of Runoff Pollutants</p>	<p style="text-align: center;"><b>2</b> Permanent Controls—Shown on WQMP Drawings</p>	<p style="text-align: center;"><b>3</b> Permanent Controls—Listed in WQMP Table and Narrative</p>	<p style="text-align: center;"><b>4</b> Operational BMPs—Included in WQMP Table and Narrative</p>
<p><input type="checkbox"/> E. Pools, spas, ponds, decorative fountains, and other water features.</p>	<p><input type="checkbox"/> Show location of water feature and sanitary sewer cleanout in an accessible area within 10 feet. (Exception: Public pools must be plumbed according to County Department of Environmental Health Guidelines.)</p>	<p><input type="checkbox"/> If the Co-Permittee requires pools to be plumbed to the sanitary sewer, place a note on the plans and state in the narrative that this connection will be made according to local requirements.</p>	<p><input type="checkbox"/> See applicable operational BMPs in “Guidelines for Maintaining Your Swimming Pool, Jacuzzi and Garden Fountain” at <a href="http://rcflood.org/stormwater/">http://rcflood.org/stormwater/</a></p>
<p><input type="checkbox"/> F. Food service</p>	<p><input type="checkbox"/> For restaurants, grocery stores, and other food service operations, show location (indoors or in a covered area outdoors) of a floor sink or other area for cleaning floor mats, containers, and equipment.</p> <p><input type="checkbox"/> On the drawing, show a note that this drain will be connected to a grease interceptor before discharging to the sanitary sewer.</p>	<p><input type="checkbox"/> Describe the location and features of the designated cleaning area.</p> <p><input type="checkbox"/> Describe the items to be cleaned in this facility and how it has been sized to insure that the largest items can be accommodated.</p>	<p><input type="checkbox"/> See the brochure, “The Food Service Industry Best Management Practices for: Restaurants, Grocery Stores, Delicatessens and Bakeries” at <a href="http://rcflood.org/stormwater/">http://rcflood.org/stormwater/</a> Provide this brochure to new site owners, lessees, and operators.</p>
<p><input type="checkbox"/> G. Refuse areas</p>	<p><input type="checkbox"/> Show where site refuse and recycled materials will be handled and stored for pickup. See local municipal requirements for sizes and other details of refuse areas.</p> <p><input type="checkbox"/> If dumpsters or other receptacles are outdoors, show how the designated area will be covered, graded, and paved to prevent run-on and show locations of berms to prevent runoff from the area.</p> <p><input type="checkbox"/> Any drains from dumpsters, compactors, and tallow bin areas shall be connected to a grease removal device before discharge to sanitary sewer.</p>	<p><input type="checkbox"/> State how site refuse will be handled and provide supporting detail to what is shown on plans.</p> <p><input type="checkbox"/> State that signs will be posted on or near dumpsters with the words “Do not dump hazardous materials here” or similar.</p>	<p>State how the following will be implemented:</p> <p><input type="checkbox"/> Provide adequate number of receptacles. Inspect receptacles regularly; repair or replace leaky receptacles. Keep receptacles covered. Prohibit/prevent dumping of liquid or hazardous wastes. Post “no hazardous materials” signs. Inspect and pick up litter daily and clean up spills immediately. Keep spill control materials available on-site. See Fact Sheet SC-34, “Waste Handling and Disposal” in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a></p>

1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Shown on WQMP Drawings	3 Permanent Controls—Listed in WQMP Table and Narrative	4 Operational BMPs—Included in WQMP Table and Narrative
<input type="checkbox"/> H. Industrial processes.	<input type="checkbox"/> Show process area	<input type="checkbox"/> If industrial processes are to be located on site, state: “All process activities to be performed indoors. No processes to drain to exterior or to storm drain system.”	<input type="checkbox"/> See Fact Sheet SC-10, “Non-Stormwater Discharges” in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a> See the brochure “Industrial & Commercial Facilities Best Management Practices for: Industrial, Commercial Facilities” at <a href="http://rcflood.org/stormwater/">http://rcflood.org/stormwater/</a>

1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Shown on WQMP Drawings	3 Permanent Controls—Listed in WQMP Table and Narrative	4 Operational BMPs—Included in WQMP Table and Narrative
<input type="checkbox"/> I. Outdoor storage of equipment or materials. (See rows J and K for source control measures for vehicle cleaning, repair, and maintenance.)	<input type="checkbox"/> Show any outdoor storage areas, including how materials will be covered. Show how areas will be graded and bermed to prevent run-on or run-off from area.  <input type="checkbox"/> Storage of non-hazardous liquids shall be covered by a roof and/or drain to the sanitary sewer system, and be contained by berms, dikes, liners, or vaults.  <input type="checkbox"/> Storage of hazardous materials and wastes must be in compliance with the local hazardous materials ordinance and a Hazardous Materials Management Plan for the site.	Include a detailed description of materials to be stored, storage areas, and structural features to prevent pollutants from entering storm drains.  Where appropriate, reference documentation of compliance with therequirements of Hazardous Materials Programs for: <ul style="list-style-type: none"> <li>• Hazardous Waste Generation</li> <li>• Hazardous Materials Release Response and Inventory</li> <li>• California Accidental Release (CalARP)</li> <li>• Aboveground Storage Tank</li> <li>• Uniform Fire Code Article 80 Section 103(b) &amp; (c) 1991</li> <li>• Underground Storage Tank <a href="http://www.cchealth.org/groups/hazmat/">www.cchealth.org/groups/hazmat/</a></li> </ul>	<input type="checkbox"/> See the Fact Sheets SC-31, “Outdoor Liquid Container Storage” and SC-33, “Outdoor Storage of Raw Materials ” in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a>

<p style="text-align: center;">1 Potential Sources of Runoff Pollutants</p>	<p style="text-align: center;">2 Permanent Controls—Shown on WQMP Drawings</p>	<p style="text-align: center;">3 Permanent Controls—Listed in WQMP Table and Narrative</p>	<p style="text-align: center;">4 Operational BMPs—Included in WQMP Table and Narrative</p>
<p><input type="checkbox"/> J. Vehicle and Equipment Cleaning</p>	<p><input type="checkbox"/> Show on drawings as appropriate:</p> <p>(1) Commercial/industrial facilities having vehicle/equipment cleaning needs shall either provide a covered, bermed area for washing activities or discourage vehicle/equipment washing by removing hose bibs and installing signs prohibiting such uses.</p> <p>(2) Multi-dwelling complexes shall have a paved, bermed, and covered car wash area (unless car washing is prohibited on-site and hoses are provided with an automatic shutoff to discourage such use).</p> <p>(3) Washing areas for cars, vehicles, and equipment shall be paved, designed to prevent run-on to or runoff from the area, and plumbed to drain to the sanitary sewer.</p> <p>(4) Commercial car wash facilities shall be designed such that no runoff from the facility is discharged to the storm drain system. Wastewater from the facility shall discharge to the sanitary sewer, or a wastewater reclamation system shall be installed.</p>	<p><input type="checkbox"/> If a car wash area is not provided, describe any measures taken to discourage on-site car washing and explain how these will be enforced.</p>	<p>Describe operational measures to implement the following (if applicable):</p> <p><input type="checkbox"/> Wash water from vehicle and equipment washing operations shall not be discharged to the storm drain system. Refer to “Outdoor Cleaning Activities and Professional Mobile Service Providers” for many of the Potential Sources of Runoff Pollutants categories below. Brochure can be found at <a href="http://rcflood.org/stormwater/">http://rcflood.org/stormwater/</a></p> <p><input type="checkbox"/> Car dealerships and similar may rinse cars with water only.</p>



<p style="text-align: center;">1 Potential Sources of Runoff Pollutants</p>	<p style="text-align: center;">2 Permanent Controls—Shown on WQMP Drawings</p>	<p style="text-align: center;">3 Permanent Controls—Listed in WQMP Table and Narrative</p>	<p style="text-align: center;">4 Operational BMPs—Included in WQMP Table and Narrative</p>
<p><input type="checkbox"/> K. Vehicle/Equipment Repair and Maintenance</p>	<p><input type="checkbox"/> Accommodate all vehicle equipment repair and maintenance indoors. Or designate an outdoor work area and design the area to prevent run-on and runoff of stormwater.</p> <p><input type="checkbox"/> Show secondary containment for exterior work areas where motor oil, brake fluid, gasoline, diesel fuel, radiator fluid, acid-containing batteries or other hazardous materials or hazardous wastes are used or stored. Drains shall not be installed within the secondary containment areas.</p> <p><input type="checkbox"/> Add a note on the plans that states either (1) there are no floor drains, or (2) floor drains are connected to wastewater pretreatment systems prior to discharge to the sanitary sewer and an industrial waste discharge permit will be obtained.</p>	<p><input type="checkbox"/> State that no vehicle repair or maintenance will be done outdoors, or else describe the required features of the outdoor work area.</p> <p><input type="checkbox"/> State that there are no floor drains or if there are floor drains, note the agency from which an industrial waste discharge permit will be obtained and that the design meets that agency's requirements.</p> <p><input type="checkbox"/> State that there are no tanks, containers or sinks to be used for parts cleaning or rinsing or, if there are, note the agency from which an industrial waste discharge permit will be obtained and that the design meets that agency's requirements.</p>	<p>In the Stormwater Control Plan, note that all of the following restrictions apply to use the site:</p> <p><input type="checkbox"/> No person shall dispose of, nor permit the disposal, directly or indirectly of vehicle fluids, hazardous materials, or rinsewater from parts cleaning into storm drains.</p> <p><input type="checkbox"/> No vehicle fluid removal shall be performed outside a building, nor on asphalt or ground surfaces, whether inside or outside a building, except in such a manner as to ensure that any spilled fluid will be in an area of secondary containment. Leaking vehicle fluids shall be contained or drained from the vehicle immediately.</p> <p><input type="checkbox"/> No person shall leave unattended drip parts or other open containers containing vehicle fluid, unless such containers are in use or in an area of secondary containment. Refer to "Automotive Maintenance &amp; Car Care Best Management Practices for Auto Body Shops, Auto Repair Shops, Car Dealerships, Gas Stations and Fleet Service Operations". Brochure can be found at <a href="http://rcflood.org/stormwater/">http://rcflood.org/stormwater/</a></p> <p>Refer to Outdoor Cleaning Activities and Professional Mobile Service Providers for many of the Potential Sources of Runoff Pollutants categories below. Brochure can be found at <a href="http://rcflood.org/stormwater/">http://rcflood.org/stormwater/</a></p>

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A

<p style="text-align: center;">1 Potential Sources of Runoff Pollutants</p>	<p style="text-align: center;">2 Permanent Controls—Shown on WQMP Drawings</p>	<p style="text-align: center;">3 Permanent Controls—Listed in WQMP Table and Narrative</p>	<p style="text-align: center;">4 Operational BMPs—Included in WQMP Table and Narrative</p>
<p><input type="checkbox"/> L. Fuel Dispensing Areas</p>	<p><input type="checkbox"/> Fueling areas<sup>6</sup> shall have impermeable floors (i.e., portland cement concrete or equivalent smooth impervious surface) that are: a) graded at the minimum slope necessary to prevent ponding; and b) separated from the rest of the site by a grade break that prevents run-on of stormwater to the maximum extent practicable.</p> <p><input type="checkbox"/> Fueling areas shall be covered by a canopy that extends a minimum of ten feet in each direction from each pump. [Alternative: The fueling area must be covered and the cover's minimum dimensions must be equal to or greater than the area within the grade break or fuel dispensing area<sup>1</sup>.] The canopy [or cover] shall not drain onto the fueling area.</p>		<p><input type="checkbox"/> The property owner shall dry sweep the fueling area routinely.</p> <p><input type="checkbox"/> See the Fact Sheet SD-30 , “Fueling Areas” in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a></p>

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<sup>6</sup>The fueling area shall be defined as the area extending a minimum of 6.5 feet from the corner of each fuel dispenser or the length at which the hose and nozzle assembly may be operated plus a minimum of one foot, whichever is greater.

<p style="text-align: center;">1 Potential Sources of Runoff Pollutants</p>	<p style="text-align: center;">2 Permanent Controls—Shown on WQMP Drawings</p>	<p style="text-align: center;">3 Permanent Controls—Listed in WQMP Table and Narrative</p>	<p style="text-align: center;">4 Operational BMPs—Included in WQMP Table and Narrative</p>
<p><input type="checkbox"/> M. Loading Docks</p>	<p><input type="checkbox"/> Show a preliminary design for the loading dock area, including roofing and drainage. Loading docks shall be covered and/or graded to minimize run-on to and runoff from the loading area. Roof downspouts shall be positioned to direct stormwater away from the loading area. Water from loading dock areas shall be drained to the sanitary sewer, or diverted and collected for ultimate discharge to the sanitary sewer.</p> <p><input type="checkbox"/> Loading dock areas draining directly to the sanitary sewer shall be equipped with a spill control valve or equivalent device, which shall be kept closed during periods of operation.</p> <p><input type="checkbox"/> Provide a roof overhang over the loading area or install door skirts (cowling) at each bay that enclose the end of the trailer.</p>		<p><input type="checkbox"/> Move loaded and unloaded items indoors as soon as possible.</p> <p><input type="checkbox"/> See Fact Sheet SC-30, “Outdoor Loading and Unloading,” in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a></p>

<p style="text-align: center;">1</p> <p style="text-align: center;"><b>Potential Sources of Runoff Pollutants</b></p>	<p style="text-align: center;">2</p> <p style="text-align: center;"><b>Permanent Controls—Shown on WQMP Drawings</b></p>	<p style="text-align: center;">3</p> <p style="text-align: center;"><b>Permanent Controls—Listed in WQMP Table and Narrative</b></p>	<p style="text-align: center;">4</p> <p style="text-align: center;"><b>Operational BMPs—Included in WQMP Table and Narrative</b></p>
<p><input type="checkbox"/> N. Fire Sprinkler Test Water</p>		<p><input type="checkbox"/> Provide a mean to drain fire sprinkler test water to the sanitary sewer.</p>	<p><input type="checkbox"/> See the note in Fact Sheet SC-41, “Building and Grounds Maintenance,” in the CASQA Stormwater Quality Handbooks at <a href="http://www.cabmphandbooks.com">www.cabmphandbooks.com</a></p>
<p><b>O. Miscellaneous Drain or Wash Water or Other Sources</b></p> <p><input type="checkbox"/> Boiler drain lines</p> <p><input type="checkbox"/> Condensate drain lines</p> <p><input type="checkbox"/> Rooftop equipment</p> <p><input type="checkbox"/> Drainage sumps</p> <p><input checked="" type="checkbox"/> Roofing, gutters, and trim.</p> <p><input type="checkbox"/> Other sources</p>		<p><input type="checkbox"/> Boiler drain lines shall be directly or indirectly connected to the sanitary sewer system and may not discharge to the storm drain system.</p> <p><input type="checkbox"/> Condensate drain lines may discharge to landscaped areas if the flow is small enough that runoff will not occur. Condensate drain lines may not discharge to the storm drain system.</p> <p><input type="checkbox"/> Rooftop equipment with potential to produce pollutants shall be roofed and/or have secondary containment.</p> <p><input type="checkbox"/> Any drainage sumps on-site shall feature a sediment sump to reduce the quantity of sediment in pumped water.</p> <p><input checked="" type="checkbox"/> Avoid roofing, gutters, and trim made of copper or other unprotected metals that may leach into runoff.</p> <p><input type="checkbox"/> Include controls for other sources as specified by local reviewer.</p>	

1 Potential Sources of Runoff Pollutants	2 Permanent Controls—Shown on WQMP Drawings	3 Permanent Controls—Listed in WQMP Table and Narrative	4 Operational BMPs—Included in WQMP Table and Narrative
<input type="checkbox"/> P. Plazas, sidewalks, and parking lots.			<input type="checkbox"/> Sweep plazas, sidewalks and parking lots regularly to prevent accumulation of litter and debris. Collect debris from pressure washing to prevent entry into the storm drain system. Collect washwater containing any cleaning agent or degreaser and discharge to the sanitary sewer not to a storm drain.

# Appendix 9: O&M

*Operation and Maintenance Plan and Documentation of Finance, Maintenance and Recording Mechanisms*

Attachment: Preliminary Water Quality Management Plan (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A



**Operation and Maintenance Responsibility for Treatment Control BMPs**

<b>BMP</b>	<b>Operation and Maintenance Activities</b>	<b>BMP Start Date</b>	<b>Frequency</b>	<b>Indications for Maintenance</b>	<b>Parties Responsible For Maintenance and Funding</b>
Landscaping and Irrigation	Inspect landscaping and irrigation systems and repair/replace if needed.	At the completion of project	The landscaping and irrigation systems shall be monitored monthly.	The landscaping areas should be maintained if areas are eroding away. Irrigation systems should be checked for irregular flows to the landscaped areas when ponding or dry soil occurs.	MPLC Legacy 75 Partners, LLP 4100 Newport Place, Suite 400 Newport, California 92660
Bioretention Basin	Maintain vegetation as needed and remove debris and litter from the basin.  Inspect hydraulic and structural facilities, check erosion, and verify infiltration.	At the completion of project	The basin shall be monitored before annual storm seasons and following rainfall events. Mulch replacement prior to start of wet season.  An in-depth inspection should occur annually, within 72 hours after a significant rainfall.  Perform biannual health evaluation of trees/shrubs.	Vegetation should be maintained if it has eroded. If any debris or litter is seen it should be removed. Odor, insects, and overgrowth indicate the need for repair.  The inlet should be examined for blockage, embankment, and damage to the structural integrity. The basin should be aerated if significant ponding of more than 72 hours occurs.	Home Owner's Association
Activity Restrictions	Any activity that may affect surrounding areas or the downstream receiving waters (such as car washes or leaving trash bin lids open) is strictly prohibited.	At the completion of project	Trash areas shall be checked before and after a major storm event, as well as on a monthly basis to reduce debris.	Not applicable	MPLC Legacy 75 Partners, LLP 4100 Newport Place, Suite 400 Newport, California 92660
Education Program	Educational materials are included in this WQMP Attachment D. The property owner shall distribute additional copies of handouts to the homeowners.	When new homeowners move in	The educational material provided shall be included in homeowner information packets and reviewed quarterly.	Not applicable	MPLC Legacy 75 Partners, LLP 4100 Newport Place, Suite 400 Newport, California 92660

Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A

<b>BMP</b>	<b>Operation and Maintenance Activities</b>	<b>BMP Start Date</b>	<b>Frequency</b>	<b>Indications for Maintenance</b>	<b>Parties Responsible For Maintenance and Funding</b>
Street Sweeping	A street sweeper shall clean the privately maintained streets and parking areas to reduce debris.	At the completion of project	A street sweeper shall clean the privately maintained streets and parking areas monthly and before any known storm event.	Not applicable	MPLC Legacy 75 Partners, LLP 4100 Newport Place, Suite 400 Newport, California 92660

# Appendix 10: Educational Materials

*BMP Fact Sheets, Maintenance Guidelines and Other End-User BMP Information*

Attachment: Preliminary Water Quality Management Plan (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A

### 3.5 Bioretention Facility

<b>Type of BMP</b>	LID – Bioretention
<b>Treatment Mechanisms</b>	Infiltration, Evapotranspiration, Evaporation, Biofiltration
<b>Maximum Drainage Area</b>	This BMP is intended to be integrated into a project’s landscaped area in a distributed manner. Typically, contributing drainage areas to Bioretention Facilities range from less than 1 acre to a maximum of around 10 acres.
<b>Other Names</b>	Rain Garden, Bioretention Cell, Bioretention Basin, Biofiltration Basin, Landscaped Filter Basin, Porous Landscape Detention

#### Description

Bioretention Facilities are shallow, vegetated basins underlain by an engineered soil media. Healthy plant and biological activity in the root zone maintain and renew the macro-pore space in the soil and maximize plant uptake of pollutants and runoff. This keeps the Best Management Practice (BMP) from becoming clogged and allows more of the soil column to function as both a sponge (retaining water) and a highly effective and self-maintaining biofilter. In most cases, the bottom of a Bioretention Facility is unlined, which also provides an opportunity for infiltration to the extent the underlying onsite soil can accommodate. When the infiltration rate of the underlying soil is exceeded, fully biotreated flows are discharged via underdrains. Bioretention Facilities therefore will inherently achieve the maximum feasible level of infiltration and evapotranspiration and achieve the minimum feasible (but highly biotreated) discharge to the storm drain system.

#### Siting Considerations

These facilities work best when they are designed in a relatively level area. Unlike other BMPs, Bioretention Facilities can be used in smaller landscaped spaces on the site, such as:

- ✓ Parking islands
- ✓ Medians
- ✓ Site entrances

Landscaped areas on the site (such as may otherwise be required through minimum landscaping ordinances), can often be designed as Bioretention Facilities. This can be accomplished by:

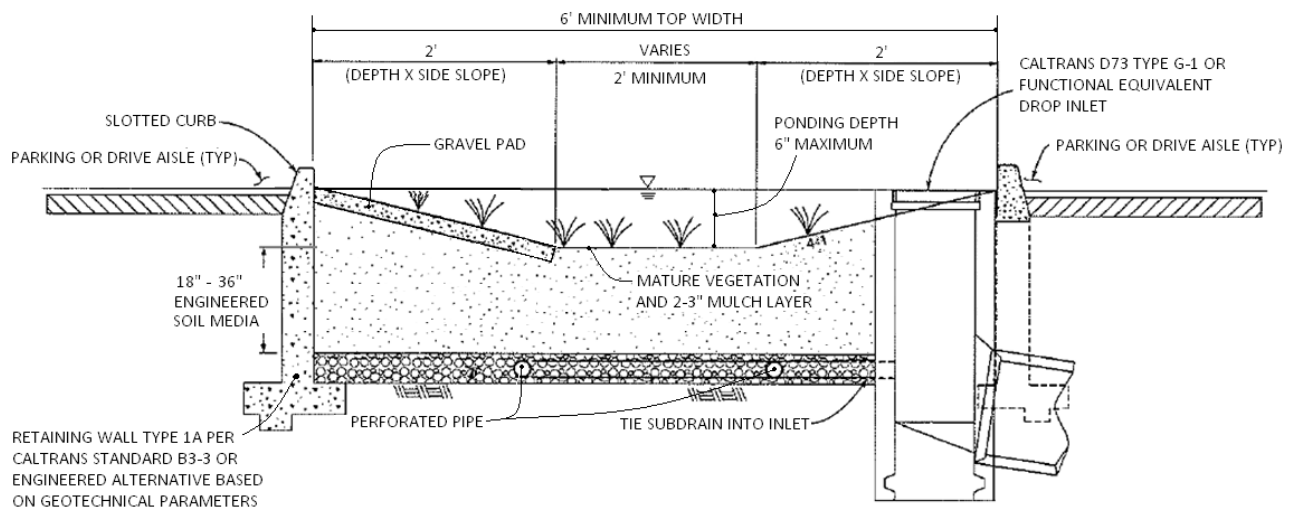
- *Depressing* landscaped areas below adjacent impervious surfaces, rather than elevating those areas
- Grading the site to direct runoff from those impervious surfaces *into* the Bioretention Facility, rather than away from the landscaping
- Sizing and designing the depressed landscaped area as a Bioretention Facility as described in this Fact Sheet

Bioretention Facilities should however not be used downstream of areas where large amounts of sediment can clog the system. Placing a Bioretention Facility at the toe of a steep slope should also be avoided due to the potential for clogging the engineered soil media with erosion from the slope, as well as the potential for damaging the vegetation.

### Design and Sizing Criteria

The recommended cross section necessary for a Bioretention Facility includes:

- Vegetated area
- 18' minimum depth of engineered soil media
- 12' minimum gravel layer depth with 6' perforated pipes (added flow control features such as orifice plates may be required to mitigate for HCOC conditions)



While the 18-inch minimum engineered soil media depth can be used in some cases, it is recommended to use 24 inches or a preferred 36 inches to provide an adequate root zone for the chosen plant palate. Such a design also provides for improved removal effectiveness for nutrients. The recommended ponding depth inside of a Bioretention Facility is 6 inches; measured from the flat bottom surface to the top of the water surface as shown in Figure 1.

Because this BMP is filled with an engineered soil media, pore space in the soil and gravel layer is assumed to provide storage volume. However, several considerations must be noted:

- Surcharge storage above the soil surface (6 inches) is important to assure that design flows do not bypass the BMP when runoff exceeds the soil's absorption rate.
- In cases where the Bioretention Facility contains engineered soil media deeper than 36 inches, the pore space within the engineered soil media can only be counted to the 36-inch depth.
- A maximum of 30 percent pore space can be used for the soil media whereas a maximum of 40 percent pore space can be used for the gravel layer.

## BIORETENTION FACILITY BMP FACT SHEET

### Engineered Soil Media Requirements

The engineered soil media shall be comprised of 85 percent mineral component and 15 percent organic component, by volume, drum mixed prior to placement. The mineral component shall be a Class A sandy loam topsoil that meets the range specified in Table 1 below. The organic component shall be nitrogen stabilized compost<sup>1</sup>, such that nitrogen does not leach from the media.

**Table 1: Mineral Component Range Requirements**

Percent Range	Component
<b>70-80</b>	Sand
<b>15-20</b>	Silt
<b>5-10</b>	Clay

The trip ticket, or certificate of compliance, shall be made available to the inspector to prove the engineered mix meets this specification.

### Vegetation Requirements

Vegetative cover is important to minimize erosion and ensure that treatment occurs in the Bioretention Facility. The area should be designed for at least 70 percent mature coverage throughout the Bioretention Facility. To prevent the BMP from being used as walkways, Bioretention Facilities shall be planted with a combination of small trees, densely planted shrubs, and natural grasses. Grasses shall be native or ornamental; preferably ones that do not need to be mowed. The application of fertilizers and pesticides should be minimal. To maintain oxygen levels for the vegetation and promote biodegradation, it is important that vegetation not be completely submerged for any extended period of time. Therefore, a maximum of 6 inches of ponded water shall be used in the design to ensure that plants within the Bioretention Facility remain healthy.

A 2 to 3-inch layer of standard shredded aged hardwood mulch shall be placed as the top layer inside the Bioretention Facility. The 6-inch ponding depth shown in Figure 1 above shall be measured from the top surface of the 2 to 3-inch mulch layer.

### Curbs Cuts

To allow water to flow into the Bioretention Facility, 1-foot-wide (minimum) curb cuts should be placed approximately every 10 feet around the perimeter of the Bioretention Facility. Figure 2 shows a curb cut in a Bioretention Facility. Curbs cut flow lines must be at or above the  $V_{BMP}$  water surface level.

<sup>1</sup> For more information on compost, visit the US Composting Council website at: <http://compostingcouncil.org/>



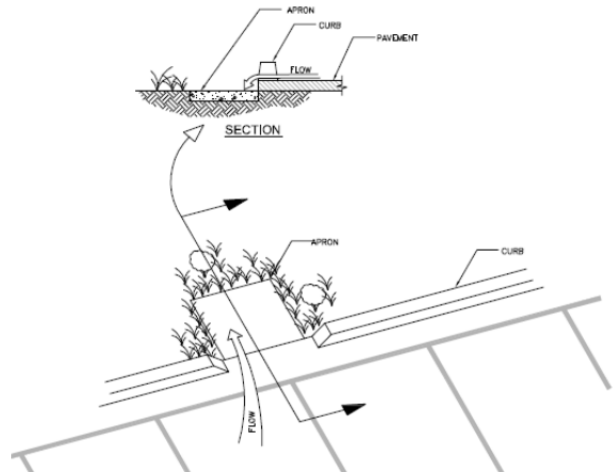
**BIORETENTION FACILITY BMP FACT SHEET**



**Figure 2: Curb Cut located in a Bioretention Facility**

To reduce erosion, a gravel pad shall be placed at each inlet point to the Bioretention Facility. The gravel should be 1- to 1.5-inch diameter in size. The gravel should overlap the curb cut opening a minimum of 6 inches. The gravel pad inside the Bioretention Facility should be flush with the finished surface at the curb cut and extend to the bottom of the slope.

In addition, place an apron of stone or concrete, a foot square or larger, inside each inlet to prevent vegetation from growing up and blocking the inlet. See Figure 3.



**Figure 3: Apron located in a Bioretention Facility**

**Terracing the Landscaped Filter Basin**

It is recommended that Bioretention Facilities be level. In the event the facility site slopes and lacks proper design, water would fill the lowest point of the BMP and then discharge from the basin without being treated. To ensure that the water will be held within the Bioretention Facility on sloped sites, the BMP must be terraced with nonporous check dams to provide the required storage and treatment capacity.

The terraced version of this BMP shall be used on non-flat sites with no more than a 3 percent slope. The surcharge depth cannot exceed 0.5 feet, and side slopes shall not exceed 4:1. Table 2 below shows the spacing of the check dams, and slopes shall be rounded up (i.e., 2.5 percent slope shall use 10' spacing for check dams).

**Table 2: Check Dam Spacing**

6" Check Dam Spacing	
Slope	Spacing
1%	25'
2%	15'
3%	10'

## BIORETENTION FACILITY BMP FACT SHEET

### Roof Runoff

Roof downspouts may be directed towards Bioretention Facilities. However, the downspouts must discharge onto a concrete splash block to protect the Bioretention Facility from erosion.

### Retaining Walls

It is recommended that Retaining Wall Type 1A, per Caltrans Standard B3-3 or equivalent, be constructed around the entire perimeter of the Bioretention Facility. This practice will protect the sides of the Bioretention Facility from collapsing during construction and maintenance or from high service loads adjacent to the BMP. Where such service loads would not exist adjacent to the BMP, an engineered alternative may be used if signed by a licensed civil engineer.

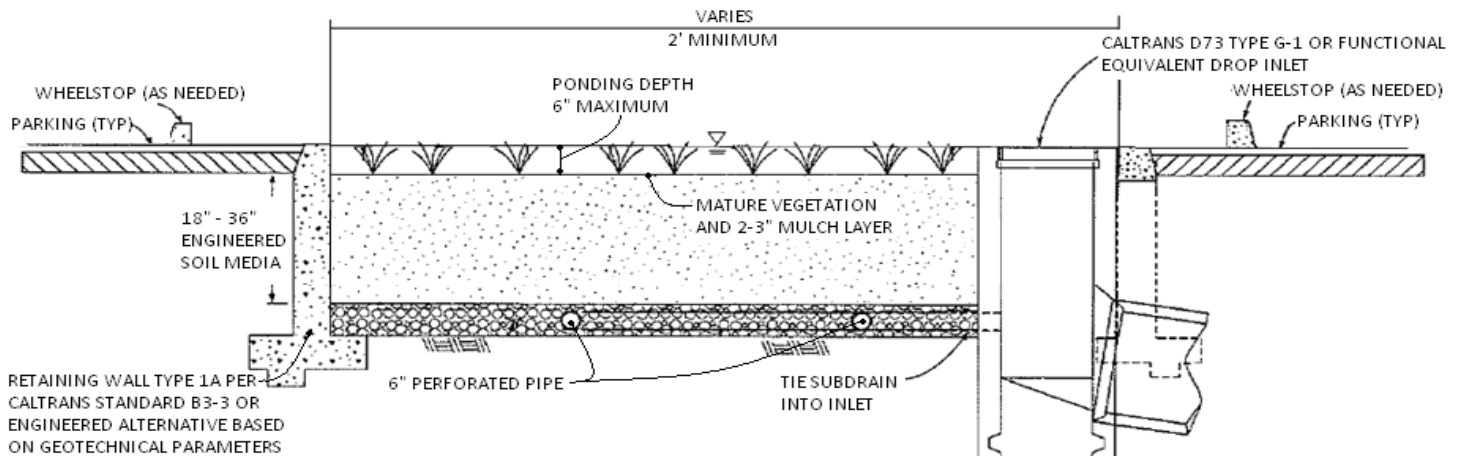
### Side Slope Requirements

#### *Bioretention Facilities Requiring Side Slopes*

The design should assure that the Bioretention Facility does not present a tripping hazard. Bioretention Facilities proposed near pedestrian areas, such as areas parallel to parking spaces or along a walkway, must have a gentle slope to the bottom of the facility. Side slopes inside of a Bioretention Facility shall be 4:1. A typical cross section for the Bioretention Facility is shown in Figure 1.

#### *Bioretention Facilities Not Requiring Side Slopes*

Where cars park perpendicular to the Bioretention Facility, side slopes are not required. A 6-inch maximum drop may be used, and the Bioretention Facility must be planted with trees and shrubs to prevent pedestrian access. In this case, a curb is not placed around the Bioretention Facility, but wheel stops shall be used to prevent vehicles from entering the Bioretention Facility, as shown in Figure 4.



## BIORETENTION FACILITY BMP FACT SHEET

### Planter Boxes

Bioretention Facilities can also be placed above ground as planter boxes. Planter boxes must have a minimum width of 2 feet, a maximum surcharge depth of 6 inches, and no side slopes are necessary. Planter boxes must be constructed so as to ensure that the top surface of the engineered soil media will remain level. This option may be constructed of concrete, brick, stone or other stable materials that will not warp or bend. Chemically treated wood or galvanized steel, which has the ability to contaminate stormwater, should not be used. Planter boxes must be lined with an impermeable liner on all sides, including the bottom. Due to the impermeable liner, the inside bottom of the planter box shall be designed and constructed with a cross fall, directing treated flows within the subdrain layer toward the point where subdrain exits the planter box, and subdrains shall be oriented with drain holes oriented down. These provisions will help avoid excessive stagnant water within the gravel underdrain layer. Similar to the in-ground Bioretention Facility versions, this BMP benefits from healthy plants and biological activity in the root zone. Planter boxes should be planted with appropriately selected vegetation.



**Figure 5: Planter Box**

Source: LA Team Effort

### Overflow

An overflow route is needed in the Bioretention Facility design to bypass stored runoff from storm events larger than  $V_{BMP}$  or in the event of facility or subdrain clogging. Overflow systems must connect to an acceptable discharge point, such as a downstream conveyance system as shown in Figure 1 and Figure 4. The inlet to the overflow structure shall be elevated inside the Bioretention Facility to be flush with the ponding surface for the design capture volume ( $V_{BMP}$ ) as shown in Figure 4. This will allow the design capture volume to be fully treated by the Bioretention Facility, and for larger events to safely be conveyed to downstream systems. The overflow inlet shall **not** be located in the entrance of a Bioretention Facility, as shown in Figure 6.

## BIORETENTION FACILITY BMP FACT SHEET

### **Underdrain Gravel and Pipes**

An underdrain gravel layer and pipes shall be provided in accordance with Appendix B – Underdrains.



**Figure 6: Incorrect Placement of an Overflow Inlet.**

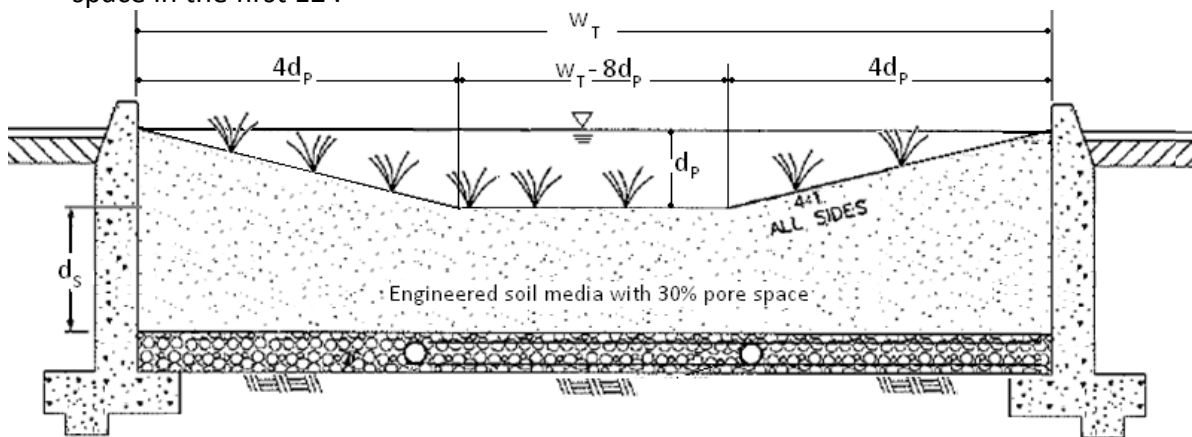
### **Inspection and Maintenance Schedule**

The Bioretention Facility area shall be inspected for erosion, dead vegetation, soggy soils, or standing water. The use of fertilizers and pesticides on the plants inside the Bioretention Facility should be minimized.

Schedule	Activity
Ongoing	<ul style="list-style-type: none"> <li>• Keep adjacent landscape areas maintained. Remove clippings from landscape maintenance activities.</li> <li>• Remove trash and debris</li> <li>• Replace damaged grass and/or plants</li> <li>• Replace surface mulch layer as needed to maintain a 2-3 inch soil cover.</li> </ul>
After storm events	<ul style="list-style-type: none"> <li>• Inspect areas for ponding</li> </ul>
Annually	<ul style="list-style-type: none"> <li>• Inspect/clean inlets and outlets</li> </ul>

**Bioretention Facility Design Procedure**

- 1) Enter the area tributary,  $A_T$ , to the Bioretention Facility.
- 2) Enter the Design Volume,  $V_{BMP}$ , determined from Section 2.1 of this Handbook.
- 3) Select the type of design used. There are two types of Bioretention Facility designs: the standard design used for most project sites that include side slopes, and the modified design used when the BMP is located perpendicular to the parking spaces or with planter boxes that do not use side slopes.
- 4) Enter the depth of the engineered soil media,  $d_s$ . The minimum depth for the engineered soil media can be 18' in limited cases, but it is recommended to use 24' or a preferred 36' to provide an adequate root zone for the chosen plant palette. Engineered soil media deeper than 36' will only get credit for the pore space in the first 36'.
- 5) Enter the top width of the Bioretention Facility.
- 6) Calculate the total effective depth,  $d_E$ , within the Bioretention Facility. The maximum allowable pore space of the soil media is 30% while the maximum allowable pore space for the gravel layer is 40%. Gravel layer deeper than 12' will only get credit for the pore space in the first 12'.



- a. For the design with side slopes the following equation shall be used to determine the total effective depth. Where,  $d_p$  is the depth of ponding within the basin.

$$d_E(\text{ft}) = \frac{0.3 \times \left[ (w_T(\text{ft}) \times d_s(\text{ft})) + 4(d_p(\text{ft}))^2 \right] + 0.4 \times 1(\text{ft}) + d_p(\text{ft}) [4d_p(\text{ft}) + (w_T(\text{ft}) - 8d_p(\text{ft}))]}{w_T(\text{ft})}$$

This above equation can be simplified if the maximum ponding depth of 0.5' is used. The equation below is used on the worksheet to find the minimum area required for the Bioretention Facility:

$$d_E(\text{ft}) = (0.3 \times d_s(\text{ft}) + 0.4 \times 1(\text{ft})) - \left( \frac{0.7(\text{ft}^2)}{w_T(\text{ft})} \right) + 0.5(\text{ft})$$

- b. For the design without side slopes the following equation shall be used to determine the total effective depth:

$$d_E(\text{ft}) = d_p(\text{ft}) + [(0.3) \times d_s(\text{ft}) + (0.4) \times 1(\text{ft})]$$

The equation below, using the maximum ponding depth of 0.5', is used on the worksheet to find the minimum area required for the Bioretention Facility:

$$d_E(\text{ft}) = 0.5(\text{ft}) + [(0.3) \times d_s(\text{ft}) + (0.4) \times 1(\text{ft})]$$

- 7) Calculate the minimum surface area,  $A_M$ , required for the Bioretention Facility. This does not include the curb surrounding the Bioretention Facility or side slopes.

$$A_M(\text{ft}^2) = \frac{V_{\text{BMP}}(\text{ft}^3)}{d_E(\text{ft})}$$

- 8) Enter the proposed surface area. This area shall not be less than the minimum required surface area.
- 9) Verify that side slopes are no steeper than 4:1 in the standard design, and are not required in the modified design.
- 10) Provide the diameter, minimum 6 inches, of the perforated underdrain used in the Bioretention Facility. See Appendix B for specific information regarding perforated pipes.
- 11) Provide the slope of the site around the Bioretention Facility, if used. The maximum slope is 3 percent for a standard design.
- 12) Provide the check dam spacing, if the site around the Bioretention Facility is sloped.
- 13) Describe the vegetation used within the Bioretention Facility.



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# Bioretention

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## Design Considerations

- Soil for Infiltration
- Tributary Area
- Slope
- Aesthetics
- Environmental Side-effects

## Description

The bioretention best management practice (BMP) functions as a soil and plant-based filtration device that removes pollutants through a variety of physical, biological, and chemical treatment processes. These facilities normally consist of a grass buffer strip, sand bed, ponding area, organic layer or mulch layer, planting soil, and plants. The runoff's velocity is reduced by passing over or through buffer strip and subsequently distributed evenly along a ponding area. Exfiltration of the stored water in the bioretention area planting soil into the underlying soils occurs over a period of days.

## California Experience

None documented. Bioretention has been used as a stormwater BMP since 1992. In addition to Prince George's County, MD and Alexandria, VA, bioretention has been used successfully at urban and suburban areas in Montgomery County, MD; Baltimore County, MD; Chesterfield County, VA; Prince William County, VA; Smith Mountain Lake State Park, VA; and Cary, NC.

## Advantages

- Bioretention provides stormwater treatment that enhances the quality of downstream water bodies by temporarily storing runoff in the BMP and releasing it over a period of four days to the receiving water (EPA, 1999).
- The vegetation provides shade and wind breaks, absorbs noise, and improves an area's landscape.

## Limitations

- The bioretention BMP is not recommended for areas with slopes greater than 20% or where mature tree removal would

## Targeted Constituents

<input checked="" type="checkbox"/>	Sediment	■
<input checked="" type="checkbox"/>	Nutrients	▲
<input checked="" type="checkbox"/>	Trash	■
<input checked="" type="checkbox"/>	Metals	■
<input checked="" type="checkbox"/>	Bacteria	■
<input checked="" type="checkbox"/>	Oil and Grease	■
<input checked="" type="checkbox"/>	Organics	■

### Legend (Removal Effectiveness)

- Low
- High
- ▲ Medium





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be required since clogging may result, particularly if the BMP receives runoff with high sediment loads (EPA, 1999).

- Bioretention is not a suitable BMP at locations where the water table is within 6 feet of the ground surface and where the surrounding soil stratum is unstable.
- By design, bioretention BMPs have the potential to create very attractive habitats for mosquitoes and other vectors because of highly organic, often heavily vegetated areas mixed with shallow water.
- In cold climates the soil may freeze, preventing runoff from infiltrating into the planting soil.

### Design and Sizing Guidelines

- The bioretention area should be sized to capture the design storm runoff.
- In areas where the native soil permeability is less than 0.5 in/hr an underdrain should be provided.
- Recommended minimum dimensions are 15 feet by 40 feet, although the preferred width is 25 feet. Excavated depth should be 4 feet.
- Area should drain completely within 72 hours.
- Approximately 1 tree or shrub per 50 ft<sup>2</sup> of bioretention area should be included.
- Cover area with about 3 inches of mulch.

### Construction/Inspection Considerations

Bioretention area should not be established until contributing watershed is stabilized.

### Performance

Bioretention removes stormwater pollutants through physical and biological processes, including adsorption, filtration, plant uptake, microbial activity, decomposition, sedimentation and volatilization (EPA, 1999). Adsorption is the process whereby particulate pollutants attach to soil (e.g., clay) or vegetation surfaces. Adequate contact time between the surface and pollutant must be provided for in the design of the system for this removal process to occur. Thus, the infiltration rate of the soils must not exceed those specified in the design criteria or pollutant removal may decrease. Pollutants removed by adsorption include metals, phosphorus, and hydrocarbons. Filtration occurs as runoff passes through the bioretention area media, such as the sand bed, ground cover, and planting soil.

Common particulates removed from stormwater include particulate organic matter, phosphorus, and suspended solids. Biological processes that occur in wetlands result in pollutant uptake by plants and microorganisms in the soil. Plant growth is sustained by the uptake of nutrients from the soils, with woody plants locking up these nutrients through the seasons. Microbial activity within the soil also contributes to the removal of nitrogen and organic matter. Nitrogen is removed by nitrifying and denitrifying bacteria, while aerobic bacteria are responsible for the decomposition of the organic matter. Microbial processes require oxygen and can result in depleted oxygen levels if the bioretention area is not adequately



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aerated. Sedimentation occurs in the swale or ponding area as the velocity slows and solids fall out of suspension.

The removal effectiveness of bioretention has been studied during field and laboratory studies conducted by the University of Maryland (Davis et al, 1998). During these experiments, synthetic stormwater runoff was pumped through several laboratory and field bioretention areas to simulate typical storm events in Prince George's County, MD. Removal rates for heavy metals and nutrients are shown in Table 1.

<b>Pollutant</b>	<b>Removal Rate</b>
Total Phosphorus	70-83%
Metals (Cu, Zn, Pb)	93-98%
TKN	68-80%
Total Suspended Solids	90%
Organics	90%
Bacteria	90%

Results for both the laboratory and field experiments were similar for each of the pollutants analyzed. Doubling or halving the influent pollutant levels had little effect on the effluent pollutants concentrations (Davis et al, 1998).

The microbial activity and plant uptake occurring in the bioretention area will likely result in higher removal rates than those determined for infiltration BMPs.

## Siting Criteria

Bioretention BMPs are generally used to treat stormwater from impervious surfaces at commercial, residential, and industrial areas (EPA, 1999). Implementation of bioretention for stormwater management is ideal for median strips, parking lot islands, and swales. Moreover, the runoff in these areas can be designed to either divert directly into the bioretention area or convey into the bioretention area by a curb and gutter collection system.

The best location for bioretention areas is upland from inlets that receive sheet flow from graded areas and at areas that will be excavated (EPA, 1999). In order to maximize treatment effectiveness, the site must be graded in such a way that minimizes erosive conditions as sheet flow is conveyed to the treatment area. Locations where a bioretention area can be readily incorporated into the site plan without further environmental damage are preferred. Furthermore, to effectively minimize sediment loading in the treatment area, bioretention only should be used in stabilized drainage areas.



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### Additional Design Guidelines

The layout of the bioretention area is determined after site constraints such as location of utilities, underlying soils, existing vegetation, and drainage are considered (EPA, 1999). Sites with loamy sand soils are especially appropriate for bioretention because the excavated soil can be backfilled and used as the planting soil, thus eliminating the cost of importing planting soil.

The use of bioretention may not be feasible given an unstable surrounding soil stratum, soils with clay content greater than 25 percent, a site with slopes greater than 20 percent, and/or a site with mature trees that would be removed during construction of the BMP.

Bioretention can be designed to be off-line or on-line of the existing drainage system (EPA, 1999). The drainage area for a bioretention area should be between 0.1 and 0.4 hectares (0.25 and 1.0 acres). Larger drainage areas may require multiple bioretention areas. Furthermore, the maximum drainage area for a bioretention area is determined by the expected rainfall intensity and runoff rate. Stabilized areas may erode when velocities are greater than 5 feet per second (1.5 meter per second). The designer should determine the potential for erosive conditions at the site.

The size of the bioretention area, which is a function of the drainage area and the runoff generated from the area is sized to capture the water quality volume.

The recommended minimum dimensions of the bioretention area are 15 feet (4.6 meters) wide by 40 feet (12.2 meters) long, where the minimum width allows enough space for a dense, randomly-distributed area of trees and shrubs to become established. Thus replicating a natural forest and creating a microclimate, thereby enabling the bioretention area to tolerate the effects of heat stress, acid rain, runoff pollutants, and insect and disease infestations which landscaped areas in urban settings typically are unable to tolerate. The preferred width is 25 feet (7.6 meters), with a length of twice the width. Essentially, any facilities wider than 20 feet (6.1 meters) should be twice as long as they are wide, which promotes the distribution of flow and decreases the chances of concentrated flow.

In order to provide adequate storage and prevent water from standing for excessive periods of time the ponding depth of the bioretention area should not exceed 6 inches (15 centimeters). Water should not be left to stand for more than 72 hours. A restriction on the type of plants that can be used may be necessary due to some plants' water intolerance. Furthermore, if water is left standing for longer than 72 hours mosquitoes and other insects may start to breed.

The appropriate planting soil should be backfilled into the excavated bioretention area. Planting soils should be sandy loam, loamy sand, or loam texture with a clay content ranging from 10 to 25 percent.

Generally the soil should have infiltration rates greater than 0.5 inches (1.25 centimeters) per hour, which is typical of sandy loams, loamy sands, or loams. The pH of the soil should range between 5.5 and 6.5, where pollutants such as organic nitrogen and phosphorus can be adsorbed by the soil and microbial activity can flourish. Additional requirements for the planting soil include a 1.5 to 3 percent organic content and a maximum 500 ppm concentration of soluble salts.



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Soil tests should be performed for every 500 cubic yards (382 cubic meters) of planting soil, with the exception of pH and organic content tests, which are required only once per bioretention area (EPA, 1999). Planting soil should be 4 inches (10.1 centimeters) deeper than the bottom of the largest root ball and 4 feet (1.2 meters) altogether. This depth will provide adequate soil for the plants' root systems to become established, prevent plant damage due to severe wind, and provide adequate moisture capacity. Most sites will require excavation in order to obtain the recommended depth.

Planting soil depths of greater than 4 feet (1.2 meters) may require additional construction practices such as shoring measures (EPA, 1999). Planting soil should be placed in 18 inches or greater lifts and lightly compacted until the desired depth is reached. Since high canopy trees may be destroyed during maintenance the bioretention area should be vegetated to resemble a terrestrial forest community ecosystem that is dominated by understory trees. Three species each of both trees and shrubs are recommended to be planted at a rate of 2500 trees and shrubs per hectare (1000 per acre). For instance, a 15 foot (4.6 meter) by 40 foot (12.2 meter) bioretention area (600 square feet or 55.75 square meters) would require 14 trees and shrubs. The shrub-to-tree ratio should be 2:1 to 3:1.

Trees and shrubs should be planted when conditions are favorable. Vegetation should be watered at the end of each day for fourteen days following its planting. Plant species tolerant of pollutant loads and varying wet and dry conditions should be used in the bioretention area.

The designer should assess aesthetics, site layout, and maintenance requirements when selecting plant species. Adjacent non-native invasive species should be identified and the designer should take measures, such as providing a soil breach to eliminate the threat of these species invading the bioretention area. Regional landscaping manuals should be consulted to ensure that the planting of the bioretention area meets the landscaping requirements established by the local authorities. The designers should evaluate the best placement of vegetation within the bioretention area. Plants should be placed at irregular intervals to replicate a natural forest. Trees should be placed on the perimeter of the area to provide shade and shelter from the wind. Trees and shrubs can be sheltered from damaging flows if they are placed away from the path of the incoming runoff. In cold climates, species that are more tolerant to cold winds, such as evergreens, should be placed in windier areas of the site.

Following placement of the trees and shrubs, the ground cover and/or mulch should be established. Ground cover such as grasses or legumes can be planted at the beginning of the growing season. Mulch should be placed immediately after trees and shrubs are planted. Two to 3 inches (5 to 7.6 cm) of commercially-available fine shredded hardwood mulch or shredded hardwood chips should be applied to the bioretention area to protect from erosion.

## Maintenance

The primary maintenance requirement for bioretention areas is that of inspection and repair or replacement of the treatment area's components. Generally, this involves nothing more than the routine periodic maintenance that is required of any landscaped area. Plants that are appropriate for the site, climatic, and watering conditions should be selected for use in the bioretention cell. Appropriately selected plants will aide in reducing fertilizer, pesticide, water, and overall maintenance requirements. Bioretention system components should blend over time through plant and root growth, organic decomposition, and the development of a natural



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soil horizon. These biologic and physical processes over time will lengthen the facility's life span and reduce the need for extensive maintenance.

Routine maintenance should include a biannual health evaluation of the trees and shrubs and subsequent removal of any dead or diseased vegetation (EPA, 1999). Diseased vegetation should be treated as needed using preventative and low-toxic measures to the extent possible. BMPs have the potential to create very attractive habitats for mosquitoes and other vectors because of highly organic, often heavily vegetated areas mixed with shallow water. Routine inspections for areas of standing water within the BMP and corrective measures to restore proper infiltration rates are necessary to prevent creating mosquito and other vector habitat. In addition, bioretention BMPs are susceptible to invasion by aggressive plant species such as cattails, which increase the chances of water standing and subsequent vector production if not routinely maintained.

In order to maintain the treatment area's appearance it may be necessary to prune and weed. Furthermore, mulch replacement is suggested when erosion is evident or when the site begins to look unattractive. Specifically, the entire area may require mulch replacement every two to three years, although spot mulching may be sufficient when there are random void areas. Mulch replacement should be done prior to the start of the wet season.

New Jersey's Department of Environmental Protection states in their bioretention systems standards that accumulated sediment and debris removal (especially at the inflow point) will normally be the primary maintenance function. Other potential tasks include replacement of dead vegetation, soil pH regulation, erosion repair at inflow points, mulch replenishment, unclogging the underdrain, and repairing overflow structures. There is also the possibility that the cation exchange capacity of the soils in the cell will be significantly reduced over time. Depending on pollutant loads, soils may need to be replaced within 5-10 years of construction (LID, 2000).

### **Cost**

#### ***Construction Cost***

Construction cost estimates for a bioretention area are slightly greater than those for the required landscaping for a new development (EPA, 1999). A general rule of thumb (Coffman, 1999) is that residential bioretention areas average about \$3 to \$4 per square foot, depending on soil conditions and the density and types of plants used. Commercial, industrial and institutional site costs can range between \$10 to \$40 per square foot, based on the need for control structures, curbing, storm drains and underdrains.

Retrofitting a site typically costs more, averaging \$6,500 per bioretention area. The higher costs are attributed to the demolition of existing concrete, asphalt, and existing structures and the replacement of fill material with planting soil. The costs of retrofitting a commercial site in Maryland, Kettering Development, with 15 bioretention areas were estimated at \$111,600.

In any bioretention area design, the cost of plants varies substantially and can account for a significant portion of the expenditures. While these cost estimates are slightly greater than those of typical landscaping treatment (due to the increased number of plantings, additional soil excavation, backfill material, use of underdrains etc.), those landscaping expenses that would be required regardless of the bioretention installation should be subtracted when determining the net cost.



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Perhaps of most importance, however, the cost savings compared to the use of traditional structural stormwater conveyance systems makes bioretention areas quite attractive financially. For example, the use of bioretention can decrease the cost required for constructing stormwater conveyance systems at a site. A medical office building in Maryland was able to reduce the amount of storm drain pipe that was needed from 800 to 230 feet - a cost savings of \$24,000 (PGDER, 1993). And a new residential development spent a total of approximately \$100,000 using bioretention cells on each lot instead of nearly \$400,000 for the traditional stormwater ponds that were originally planned (Rappahanock, ). Also, in residential areas, stormwater management controls become a part of each property owner's landscape, reducing the public burden to maintain large centralized facilities.

## **Maintenance Cost**

The operation and maintenance costs for a bioretention facility will be comparable to those of typical landscaping required for a site. Costs beyond the normal landscaping fees will include the cost for testing the soils and may include costs for a sand bed and planting soil.

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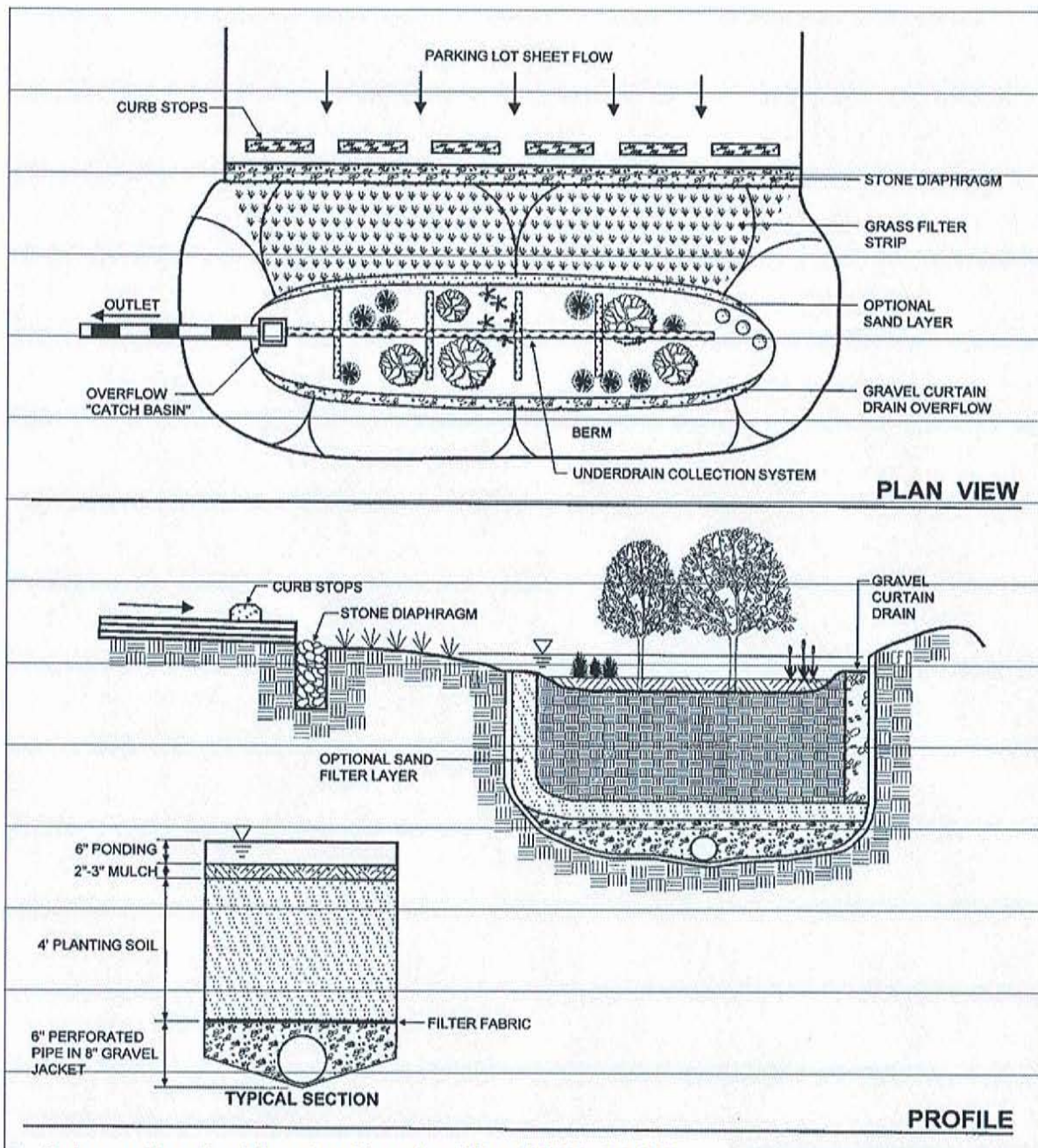
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Schematic of a Bioretention Facility (MDE, 2000)



# Roof Runoff Controls

## SD-11



Rain Garden

### Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

### Description

Various roof runoff controls are available to address stormwater that drains off rooftops. The objective is to reduce the total volume and rate of runoff from individual lots, and retain the pollutants on site that may be picked up from roofing materials and atmospheric deposition. Roof runoff controls consist of directing the roof runoff away from paved areas and mitigating flow to the storm drain system through one of several general approaches: cisterns or rain barrels; dry wells or infiltration trenches; pop-up emitters, and foundation planting. The first three approaches require the roof runoff to be contained in a gutter and downspout system. Foundation planting provides a vegetated strip under the drip line of the roof.

### Approach

Design of individual lots for single-family homes as well as lots for higher density residential and commercial structures should consider site design provisions for containing and infiltrating roof runoff or directing roof runoff to vegetative swales or buffer areas. Retained water can be reused for watering gardens, lawns, and trees. Benefits to the environment include reduced demand for potable water used for irrigation, improved stormwater quality, increased groundwater recharge, decreased runoff volume and peak flows, and decreased flooding potential.

### Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment.

### Design Considerations

#### *Designing New Installations*

##### *Cisterns or Rain Barrels*

One method of addressing roof runoff is to direct roof downspouts to cisterns or rain barrels. A cistern is an above ground storage vessel with either a manually operated valve or a permanently open outlet. Roof runoff is temporarily stored and then released for irrigation or infiltration between storms. The number of rain



## SD-11

# Roof Runoff Controls

barrels needed is a function of the rooftop area. Some low impact developers recommend that every house have at least 2 rain barrels, with a minimum storage capacity of 1000 liters. Roof barrels serve several purposes including mitigating the first flush from the roof which has a high volume, amount of contaminants, and thermal load. Several types of rain barrels are commercially available. Consideration must be given to selecting rain barrels that are vector proof and childproof. In addition, some barrels are designed with a bypass valve that filters out grit and other contaminants and routes overflow to a soak-away pit or rain garden.

If the cistern has an operable valve, the valve can be closed to store stormwater for irrigation or infiltration between storms. This system requires continual monitoring by the resident or grounds crews, but provides greater flexibility in water storage and metering. If a cistern is provided with an operable valve and water is stored inside for long periods, the cistern must be covered to prevent mosquitoes from breeding.

A cistern system with a permanently open outlet can also provide for metering stormwater runoff. If the cistern outlet is significantly smaller than the size of the downspout inlet (say  $\frac{1}{4}$  to  $\frac{1}{2}$  inch diameter), runoff will build up inside the cistern during storms, and will empty out slowly after peak intensities subside. This is a feasible way to mitigate the peak flow increases caused by rooftop impervious land coverage, especially for the frequent, small storms.

### *Dry wells and Infiltration Trenches*

Roof downspouts can be directed to dry wells or infiltration trenches. A dry well is constructed by excavating a hole in the ground and filling it with an open graded aggregate, and allowing the water to fill the dry well and infiltrate after the storm event. An underground connection from the downspout conveys water into the dry well, allowing it to be stored in the voids. To minimize sedimentation from lateral soil movement, the sides and top of the stone storage matrix can be wrapped in a permeable filter fabric, though the bottom may remain open. A perforated observation pipe can be inserted vertically into the dry well to allow for inspection and maintenance.

In practice, dry wells receiving runoff from single roof downspouts have been successful over long periods because they contain very little sediment. They must be sized according to the amount of rooftop runoff received, but are typically 4 to 5 feet square, and 2 to 3 feet deep, with a minimum of 1-foot soil cover over the top (maximum depth of 10 feet).

To protect the foundation, dry wells must be set away from the building at least 10 feet. They must be installed in solids that accommodate infiltration. In poorly drained soils, dry wells have very limited feasibility.

Infiltration trenches function in a similar manner and would be particularly effective for larger roof areas. An infiltration trench is a long, narrow, rock-filled trench with no outlet that receives stormwater runoff. These are described under Treatment Controls.

### *Pop-up Drainage Emitter*

Roof downspouts can be directed to an underground pipe that daylight some distance from the building foundation, releasing the roof runoff through a pop-up emitter. Similar to a pop-up irrigation head, the emitter only opens when there is flow from the roof. The emitter remains flush to the ground during dry periods, for ease of lawn or landscape maintenance.



# Roof Runoff Controls

**SD-11**

## *Foundation Planting*

Landscape planting can be provided around the base to allow increased opportunities for stormwater infiltration and protect the soil from erosion caused by concentrated sheet flow coming off the roof. Foundation plantings can reduce the physical impact of water on the soil and provide a subsurface matrix of roots that encourage infiltration. These plantings must be sturdy enough to tolerate the heavy runoff sheet flows, and periodic soil saturation.

## *Redeveloping Existing Installations*

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define “redevelopment” in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of “redevelopment” must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under “designing new installations” above should be followed.

## **Supplemental Information**

### *Examples*

- City of Ottawa’s Water Links Surface –Water Quality Protection Program
- City of Toronto Downspout Disconnection Program
- City of Boston, MA, Rain Barrel Demonstration Program

## **Other Resources**

Hager, Marty Catherine, Stormwater, “Low-Impact Development”, January/February 2003.  
[www.stormh2o.com](http://www.stormh2o.com)

Low Impact Urban Design Tools, Low Impact Development Design Center, Beltsville, MD.  
[www.lid-stormwater.net](http://www.lid-stormwater.net)

Start at the Source, Bay Area Stormwater Management Agencies Association, 1999 Edition



# Efficient Irrigation

## SD-12



### Design Objectives

- Maximize Infiltration
- Provide Retention
- Slow Runoff
- Minimize Impervious Land Coverage
- Prohibit Dumping of Improper Materials
- Contain Pollutants
- Collect and Convey

### Description

Irrigation water provided to landscaped areas may result in excess irrigation water being conveyed into stormwater drainage systems.

### Approach

Project plan designs for development and redevelopment should include application methods of irrigation water that minimize runoff of excess irrigation water into the stormwater conveyance system.

### Suitable Applications

Appropriate applications include residential, commercial and industrial areas planned for development or redevelopment. (Detached residential single-family homes are typically excluded from this requirement.)

### Design Considerations

#### *Designing New Installations*

The following methods to reduce excessive irrigation runoff should be considered, and incorporated and implemented where determined applicable and feasible by the Permittee:

- Employ rain-triggered shutoff devices to prevent irrigation after precipitation.
- Design irrigation systems to each landscape area's specific water requirements.
- Include design featuring flow reducers or shutoff valves triggered by a pressure drop to control water loss in the event of broken sprinkler heads or lines.
- Implement landscape plans consistent with County or City water conservation resolutions, which may include provision of water sensors, programmable irrigation times (for short cycles), etc.



## SD-12

## Efficient Irrigation

- Design timing and application methods of irrigation water to minimize the runoff of excess irrigation water into the storm water drainage system.
- Group plants with similar water requirements in order to reduce excess irrigation runoff and promote surface filtration. Choose plants with low irrigation requirements (for example, native or drought tolerant species). Consider design features such as:
  - Using mulches (such as wood chips or bark) in planter areas without ground cover to minimize sediment in runoff
  - Installing appropriate plant materials for the location, in accordance with amount of sunlight and climate, and use native plant materials where possible and/or as recommended by the landscape architect
  - Leaving a vegetative barrier along the property boundary and interior watercourses, to act as a pollutant filter, where appropriate and feasible
  - Choosing plants that minimize or eliminate the use of fertilizer or pesticides to sustain growth
- Employ other comparable, equally effective methods to reduce irrigation water runoff.

### ***Redeveloping Existing Installations***

Various jurisdictional stormwater management and mitigation plans (SUSMP, WQMP, etc.) define “redevelopment” in terms of amounts of additional impervious area, increases in gross floor area and/or exterior construction, and land disturbing activities with structural or impervious surfaces. The definition of “redevelopment” must be consulted to determine whether or not the requirements for new development apply to areas intended for redevelopment. If the definition applies, the steps outlined under “designing new installations” above should be followed.

### **Other Resources**

A Manual for the Standard Urban Stormwater Mitigation Plan (SUSMP), Los Angeles County Department of Public Works, May 2002.

Model Standard Urban Storm Water Mitigation Plan (SUSMP) for San Diego County, Port of San Diego, and Cities in San Diego County, February 14, 2002.

Model Water Quality Management Plan (WQMP) for County of Orange, Orange County Flood Control District, and the Incorporated Cities of Orange County, Draft February 2003.

Ventura Countywide Technical Guidance Manual for Stormwater Quality Control Measures, July 2002.



**Legacy Park (Tentative Tract  
Map No. 36760)  
TRAFFIC IMPACT ANALYSIS  
CITY OF MORENO VALLEY**

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09188-06 TIA Report REV

Attachment: Traffic Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL



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## LIST OF ABBREVIATED TERMS

(1)	Reference
ADT	Average Daily Traffic
Caltrans	California Department of Transportation
CEQA	California Environmental Quality Act
CMP	Congestion Management Program
DIF	Development Impact Fee
E+P	Existing Plus Project
FHWA	Federal Highway Administration
HCM	Highway Capacity Manual
ITE	Institute of Transportation Engineers
LOS	Level of Service
MUTCD	Manual on Uniform Traffic Control Devices
N/A	Not Applicable
NP	No Project (or Without Project)
PHF	Peak Hour Factor
Project	Indian Street Commerce Center
RCTC	Riverside County Transportation Commission
RTA	Riverside Transit Authority
RTP	Regional Transportation Plan
SCAG	Southern California Association of Governments
SCS	Sustainable Communities Strategy
TIA	Traffic Impact Analysis
TUMF	Transportation Uniform Mitigation Fee
WP	With Project
WRCOG	Western Riverside Council of Governments
V/C	Volume to Capacity

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# 1 INTRODUCTION

This report presents the results of the traffic impact analysis (TIA) for the proposed Legacy Park (Tentative Tract Map No. 36760) development (“Project”) located on the southeast corner of Indian Street and Gentian Avenue in the City of Moreno Valley as shown on Exhibit 1-1.

The purpose of this TIA is to evaluate the potential circulation system deficiencies that may result from the development of the proposed Project, and to recommend improvements to achieve acceptable circulation system operational conditions. This traffic study has been prepared in accordance with the City of Moreno Valley Transportation Engineering Division’s *Traffic Impact Analysis Preparation Guide* (August 2007) and consultation with City of Moreno Valley staff during the scoping process. (1) The approved Project Traffic Study Scoping agreement is provided in Appendix 1.1 of this TIA.

## 1.1 PROJECT OVERVIEW

The Project is proposed to consist of a total of 221 single family detached residential dwelling units. Per the City’s traffic study guidelines, the Opening Year will have a 5-year minimum horizon from baseline conditions. As such, the Opening Year analysis will assess 2021 traffic conditions.

Vehicular access will be provided via the following driveways (see Exhibit 1-1):

- Gentian Avenue via Street J and Street L – Full access driveways. Both driveways are proposed to align with future driveways on the north side of Gentian Avenue.
- Santiago Drive West via Street N – Knuckle from Street N into the Santiago Drive West
- Santiago Drive East via Street L – Knuckle from Street L into Santiago Drive East. Project is proposing to prohibit access to the existing Emma Lane (south of Santiago Drive).

Regional access to the project site is provided via the I-215 Freeway at Cactus Avenue interchange.

Trips generated by the Project’s proposed land uses have been estimated based on trip generation rates collected by the Institute of Transportation Engineers (ITE) *Trip Generation Manual*, 9<sup>th</sup> Edition, 2012. (2) The Project is estimated to generate a net total of 2,104 trip-ends per day on a typical weekday with approximately 166 net AM peak hour trips and 221 net PM peak hour trips. The assumptions and methods used to estimate the Project’s trip generation characteristics are discussed in greater detail in Section 4.1 *Project Trip Generation* of this report.

EXHIBIT 1-1: TENTATIVE TRACT MAP NO. 36760



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## 1.2 ANALYSIS SCENARIOS

For the purposes of this traffic study, potential impacts to traffic and circulation have been assessed for each of the following conditions:

- Existing (2016) (1 scenario)
- Existing plus Project (E+P) (1 scenario)
- Opening Year Cumulative (2021), Without and With Project (2 scenarios)
- General Plan Buildout (2040), Without and With Project (2 scenarios)

### 1.2.1 EXISTING (2016) CONDITIONS

Information for Existing (2016) conditions is disclosed to represent the baseline traffic conditions as they existed at the time this report was prepared.

### 1.2.2 EXISTING PLUS PROJECT CONDITIONS

The Existing plus Project (E+P) analysis determines circulation system deficiencies that would occur on the existing roadway system in the scenario of the Project being placed upon Existing conditions.

### 1.2.3 OPENING YEAR CUMULATIVE (2020) CONDITIONS

To account for growth in traffic between Existing Conditions (2016) and the Project Opening Year (2021), a compounded annual traffic growth rate of 2 percent was assumed (10.41 percent aggregate growth in background traffic for the period 2016—2021). The 2 percent annual growth rate is intended to capture non-specific ambient traffic growth.

In context, the TIA's assumed 2 percent compounded annual growth rate is considered a reasonable approximation of future traffic growth when compared to demographic projections reflected in other local and regional growth modeling efforts. More specifically, the Southern California Association of Governments (SCAG) 2016—2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) growth forecasts for the City of Moreno Valley assume the City population to increase from 197,600 in 2012 to 256,600 by the year 2040, or an approximate 0.94 percent growth rate compounded annually. The RTP/SCS assumed growth in households over the same 28-year period reflects an increase from 51,800 households to 73,000 households; a rate of 1.23 percent compounded annually. At the upper end of assumed RTP/SCS growth rates, employment over the same 28-year period is projected to increase from 31,400 jobs to 83,200 jobs; a rate of approximately 3.54 percent compounded annually. (3) The 2 percent compounded annual traffic growth rate employed in the TIA reflects the fact that not all persons comprising population growth, household growth, or employment growth would translate on a one to one basis as a new vehicle trip in the region; and establishes a judicious midrange estimate lying between the RTP/SCS assumed regional population growth rate (0.94 percent) and the RTP/SCS assumed regional employment growth rate (3.54 percent).

Conservatively, the TIA estimates of area traffic growth then add traffic generated by other known or probable related projects. These related projects are at least in part already accounted for in the assumed annual 2 percent ambient growth in traffic noted above; and in some instances these related projects would likely not be implemented and operational within the 2021 Opening Year time frame assumed for the Project. The resultant assumed traffic growth rate employed in the TIA (2 percent annual ambient growth + traffic generated by related projects) would therefore tend to overstate rather than understate background cumulative traffic impacts under 2021 conditions

The Opening Year Cumulative (2021) Without and With Project traffic conditions analyses will be utilized to determine if improvements funded through regional transportation mitigation fee programs, such as the Transportation Uniform Mitigation Fee (TUMF) and Development Impact Fee (DIF) programs, or other approved funding mechanism can accommodate the near-term cumulative traffic at the target level of service (LOS) identified in the City of Moreno Valley General Plan. (4) If the “funded” improvements can provide the target LOS, then the Project’s payment into TUMF and/or DIF will be considered as near-term cumulative mitigation through the conditions of approval. Other improvements needed beyond the “funded” improvements (such as localized improvements to non-TUMF facilities) are identified as such.

#### **1.2.4 GENERAL PLAN BUILDOUT (2040) CONDITIONS**

At the City’s direction, the evaluation of General Plan Buildout (2040) traffic conditions was contemplated for the purposes of this TIA. The development of the proposed Project (R5 land use designation) is anticipated to generate 1,799 fewer trip-ends per day with 135 fewer AM peak hour trips and 156 fewer PM peak hour trips, as compared to the currently adopted General Plan land uses (R5 and R30 land use designation). As such, evaluation of long-range traffic conditions was determined to be unnecessary as the proposed General Plan Amendment is anticipated to reduce the trips generated by the site. E+P and Opening Year Cumulative traffic conditions have been evaluated as part of this TIA in an effort to identify the near-term Project impacts, however, long-range traffic impacts are anticipated to be consistent with or less than those identified by the City’s currently adopted General Plan.

### **1.3 STUDY AREA**

To ensure that this TIA satisfies the City of Moreno Valley’s traffic study requirements, Urban Crossroads, Inc. prepared a project traffic study scoping package for review by City of Moreno Valley staff prior to the preparation of this report. The scoping agreement provides an outline of the Project study area, trip generation, trip distribution, and analysis methodology and is included in Appendix 1.1.



### 1.3.1 INTERSECTIONS

The 13 study area intersections shown on Exhibit 1-2 and listed at Table 1-1 were selected for this TIA based on the City of Moreno Valley's Traffic Study Guidelines and in consultation with City of Moreno Valley staff. Pursuant to the Traffic Study Guidelines, the City requires analysis of intersections where the Project would contribute 50 or more peak hour trips.<sup>1</sup>

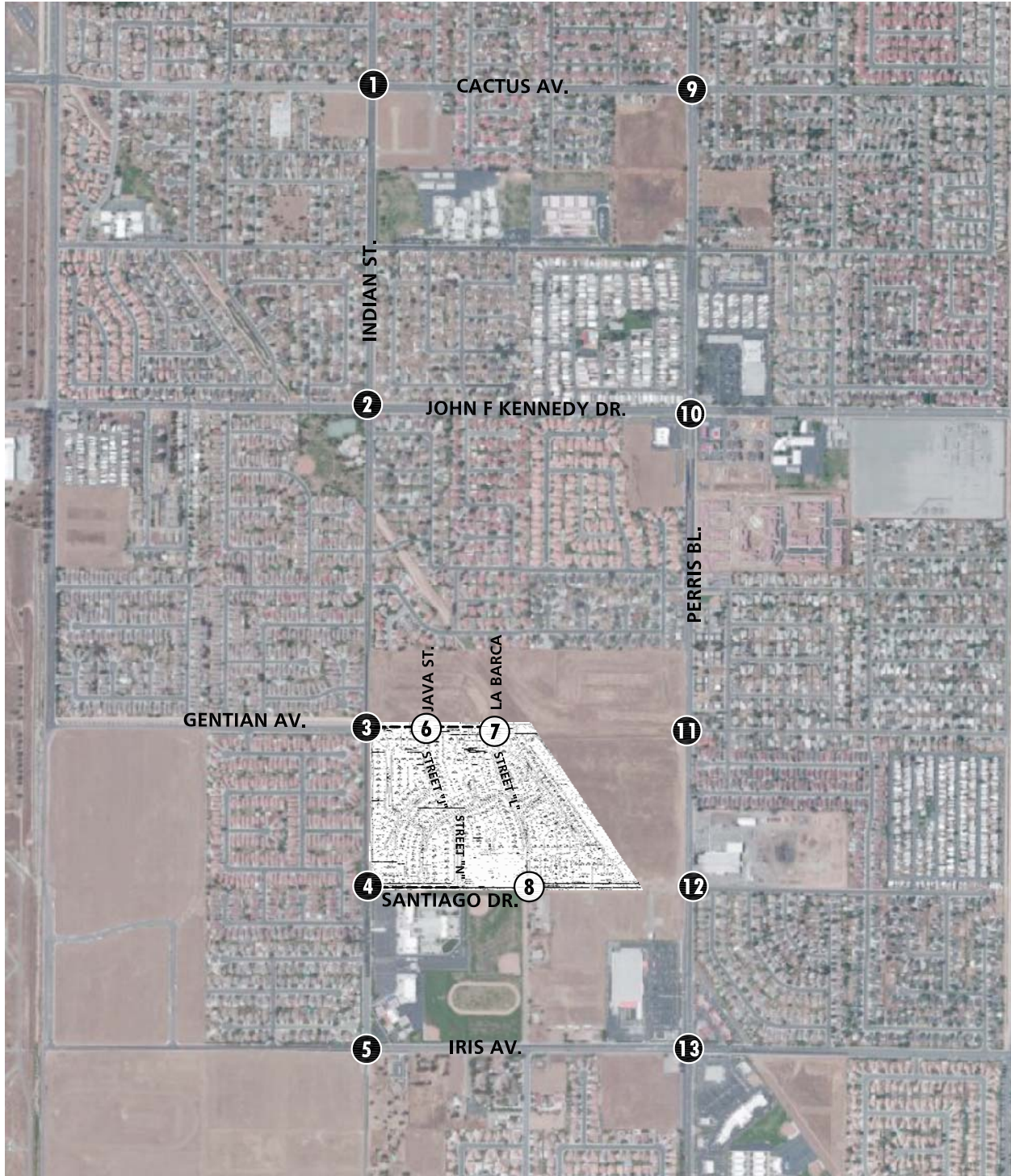
**TABLE 1-1: INTERSECTION ANALYSIS LOCATIONS**

ID	Intersection Location	Jurisdiction	CMP?
1	Indian St. / Cactus Av.	Moreno Valley	No
2	Indian St. / John F. Kennedy Dr.	Moreno Valley	No
3	Indian St. / Gentian Av.	Moreno Valley	No
4	Indian St. / Santiago Dr.	Moreno Valley	No
5	Indian St. / Iris Av.	Moreno Valley	No
6	Street J/Java Street / Gentian Av.	Moreno Valley	No
7	Street L/La Barca / Gentian Av.	Moreno Valley	No
8	Street L / Santiago Dr.	Moreno Valley	No
9	Perris Bl. / Cactus Av.	Moreno Valley	No
10	Perris Bl. / John F. Kennedy Dr.	Moreno Valley	No
11	Perris Bl. / Gentian Av.	Moreno Valley	No
12	Perris Bl. / Santiago Dr.	Moreno Valley	No
13	Perris Bl. / Iris Av.	Moreno Valley	No




The intent of a Congestion Management Program (CMP) is to more directly link land use, transportation, and air quality, thereby prompting reasonable growth management programs that will effectively utilize new transportation funds, alleviate traffic congestion and related impacts, and improve air quality. Counties within California have developed CMPs with varying methods and strategies to meet the intent of the CMP legislation. The County of Riverside CMP became effective with the passage of Proposition 111 in 1990 and updated most recently in 2011. The Riverside County Transportation Commission (RCTC) adopted the 2011 CMP for the County of Riverside in December 2011. (5) There are no study area intersections identified as CMP facilities.

<sup>1</sup> The "50 or more peak hour trips" intersection analytic protocol stipulated in the City Traffic Study Guidelines is consistent with standard industry practice. It is noted further that the 50 peak hour trip threshold is employed by other agencies throughout southern California including Caltrans, County of Riverside, County of San Bernardino, and the County of Orange.

EXHIBIT 1-2: LOCATION MAP



LEGEND:

-  ■ EXISTING INTERSECTION ANALYSIS LOCATION
-  ■ FUTURE INTERSECTION ANALYSIS LOCATION
-  ■ DIRT ROAD



### 1.3.2 ROADWAY SEGMENTS

The roadway segment study area utilized for this analysis is based on a review of the key roadway segments in which the Project is anticipated to contribute 50 or more peak hour trips. The study area identifies a total of 10 existing/future roadway segments. The roadway segments include the segments on either side of the study area intersections and are listed in Table 1-2 and are identified on Exhibit 1-2.

**TABLE 1-2: ROADWAY SEGMENT ANALYSIS LOCATIONS**

ID	Street	Segment	Jurisdiction
1	Indian Street	Cactus Av. to John F. Kennedy Dr.	Moreno Valley
2		John F. Kennedy Dr. to Gentian Av.	Moreno Valley
3		Santiago Dr. to Iris Av.	Moreno Valley
4	Gentian Avenue	Indian St. to Street J/Java St.	Moreno Valley
5		Street J/Java St. to Street L/La Barca	Moreno Valley
6		West of Perris Bl.	Moreno Valley
7	Santiago Drive	East of Indian St.	Moreno Valley
8		West of Perris Bl.	Moreno Valley
9	Perris Boulevard	Cactus Av. to John F. Kennedy Dr.	Moreno Valley
10		John F. Kennedy Dr. to Gentian Av.	Moreno Valley

## 1.4 SUMMARY OF INTERSECTION ANALYSIS

### 1.4.1 INTERSECTIONS

A summary of the operationally deficient study area intersections and recommended improvements required to achieve acceptable circulation system operational conditions are described in detail within Section 3.0 *Existing Conditions*, Section 5.0 *E+P Traffic Conditions*, and Section 6.0 *Opening Year Cumulative (2021) Traffic Conditions* of this report. The peak hour intersection LOS are summarized on Table 1-3 for each of the analysis scenarios.

### 1.4.2 ROADWAY SEGMENTS

A summary of the operationally deficient study area roadway segments and recommended improvements required to achieve acceptable circulation system operational conditions are described in detail within Section 3.0 *Existing Conditions*, Section 5.0 *E+P Traffic Conditions*, and Section 6.0 *Opening Year Cumulative (2021) Traffic Conditions* of this report. The roadway segment LOS are summarized on Table 1-4 for each of the analysis scenarios.

## 1.5 LOCAL AND REGIONAL FUNDING MECHANISMS

Transportation improvements throughout the City of Moreno Valley are funded through a combination of project mitigation, fair share contributions or development impact fee programs, such as Transportation Uniform Mitigation Fee (TUMF) program or the City's Development Impact Fee (DIF) program.



Table 1-3

Summary of Intersection Operations by Analysis Scenario

#	Intersection	Traffic Control <sup>1</sup>	Existing (2016)						E+P						2021 NP						2021 WP					
			Delay		LOS <sup>2</sup>		Delay		LOS <sup>2</sup>		Delay		LOS <sup>2</sup>		Delay		LOS <sup>2</sup>		Delay		LOS <sup>2</sup>		Delay		LOS <sup>2</sup>	
			AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
1	Indian St / Cactus Av	TS	28.4	27.2	C	C	29.5	28.7	C	C	31.7	32.8	C	C	37.6	37.3	C	C	37.6	37.3	D	D	37.6	37.3	D	D
2	Indian St / John F. Kennedy Dr	TS	26.5	24.6	C	C	26.5	24.9	C	C	26.7	25.2	C	C	26.7	25.2	C	C	26.7	25.2	C	C	26.7	25.2	C	C
3	Indian St / Gentian Av	CSS	20.0	15.1	C	C	28.6	21.0	D	D	30.7	20.2	D	D	36.5	23.1	C	C	36.5	23.1	E	E	36.5	23.1	E	E
4	Indian St / Santiago Dr	TS	14.7	2.6	B	A	15.8	4.7	B	A	15.5	2.8	B	A	16.6	4.8	B	A	16.6	4.8	B	A	16.6	4.8	B	A
5	Indian St / Iris Av	TS	44.8	30.6	D	C	49.9	31.6	D	C	47.4	31.7	D	C	48.8	34.6	D	C	48.8	34.6	D	C	48.8	34.6	D	C
6	Street J / Gentian Av	CSS	Does Not Exist				8.8	8.9	A	A	8.6	8.7	A	A	8.8	9.1	A	A	8.8	9.1	A	A	8.8	9.1	A	A
7	Street L / Gentian Av	CSS	Does Not Exist				8.6	8.6	A	A	8.7	8.7	A	A	9.0	9.3	A	A	9.0	9.3	A	A	9.0	9.3	A	A
8	Street L / Santiago Dr	CSS	Does Not Exist				0.0	0.0	A	A	Does Not Exist				0.0	0.0	A	A	0.0	0.0	A	A	0.0	0.0	A	A
9	Perris Bl / Cactus Av	TS	25.2	33.6	C	C	32.2	35.9	C	D	33.8	42.7	C	D	35.9	45.8	D	D	35.9	45.8	D	D	35.9	45.8	D	D
10	Perris Bl / John F. Kennedy Dr	TS	40.9	44.7	D	D	41.4	45.9	D	D	43.9	50.1	D	D	44.0	54.5	D	D	44.0	54.5	D	D	44.0	54.5	D	D
11	Perris Bl / Gentian Av	TS	5.9	4.9	A	A	5.9	4.9	A	A	6.0	5.1	A	A	6.0	5.1	A	A	6.0	5.1	A	A	6.0	5.1	A	A
12	Perris Bl / Santiago Dr	CSS	47.4	43.7	E	E	48.9	57.1	E	F	>100.0	>100.0	F	F	>100.0	>100.0	F	F	>100.0	>100.0	F	F	>100.0	>100.0	F	F
13	Perris Bl / Iris Av	TS	44.5	36.2	D	D	45.0	36.3	D	D	46.5	48.6	D	D	48.4	49.9	D	D	48.4	49.9	D	D	48.4	49.9	D	D

**BOLD** = LOS does not meet the applicable jurisdictional requirements (i.e., unacceptable LOS).

-- = Not Applicable/Future Intersection

<sup>1</sup> CSS = Cross-street Stop; TS = Traffic Signal; CSS = Improvement

<sup>2</sup> LOS = Level of Service





Table 1-4

Summary of Roadway Segment Level of Service

#	Roadway	Segment Limits	Roadway Section	Existing V/C <sup>1</sup>	Existing LOS <sup>2</sup>	E+P V/C <sup>1</sup>	E+P LOS <sup>2</sup>	2021 NP V/C <sup>1</sup>	2021 NP LOS <sup>2</sup>	2021 WP V/C <sup>1</sup>	2021 WP LOS <sup>2</sup>	Acceptable LOS <sup>2</sup>
1	Indian Street	Cactus Avenue to John F. Kennedy Dr.	4D	0.23	A	0.25	A	0.26	A	0.27	A	C
2		John F. Kennedy Dr. to Gentian Av.	4D	0.25	A	0.27	A	0.28	A	0.29	A	C
3		Santiago Dr. to Iris Av.	2U	0.73	C	0.77	C	0.82	D	0.86	D	D
4	Gentian Avenue	Indian St. to Street J/Java St.	<b>2U</b>	N/A	N/A	0.07	A	N/A	N/A	0.03	A	C
5		Street J/Java St. to Street L/La Barca	<b>2U</b>	N/A	N/A	0.03	A	N/A	N/A	0.03	A	C
6		West of Perris Bl.	<b>2U</b>	N/A	N/A	N/A	N/A	N/A	N/A	0.05	A	C
7	Santiago Drive	East of Indian St.	2U	0.07	A	0.12	A	0.07	A	0.11	A	C
8		West of Perris Bl.	2U	0.00	A	0.05	A	0.52	A	0.56	A	C
9	Perris Boulevard	Cactus Avenue and John F. Kennedy Dr.	6D	0.46	A	0.47	A	0.65	B	0.66	B	D
10		John F. Kennedy Dr. to Gentian Av.	6D	0.53	A	0.54	A	0.77	C	0.79	C	D

**BOLD** = LOS does not meet the applicable jurisdictional requirements (i.e., unacceptable LOS).

<sup>1</sup> V/C = Volume to Capacity Ratio

<sup>2</sup> LOS = Level of Service

### 1.5.1 TRANSPORTATION UNIFORM MITIGATION FEE (TUMF) PROGRAM

The Western Riverside Council of Governments (WRCOG) is responsible for establishing and updating TUMF rates. The County may grant to developers a credit against the specific components of fees for the dedication of land or the construction of facilities identified in the list of improvements funded by each of these fee programs. Fees are based upon projected land uses and a related transportation need to address growth based upon a 2009 Nexus study.

TUMF is an ambitious regional program created to address cumulative impacts of growth throughout western Riverside County. Program guidelines are being handled on an iterative basis. Exemptions, credits, reimbursements and local administration are being deferred to primary agencies. The County of Riverside serves this function for the proposed Project. Fees submitted to the County are passed on to the WRCOG as the ultimate program administrator.

TUMF guidelines empower a local zone committee to prioritize and arbitrate certain projects. The Project is located in the Central Zone. The zone has developed a 5-year capital improvement program to prioritize public construction of certain roads. TUMF is focused on improvements necessitated by regional growth. The Perris Boulevard is a designated TUMF roadway/facility within the Project's traffic study area.

### 1.5.2 CITY OF MORENO VALLEY DEVELOPMENT IMPACT FEE (DIF) PROGRAM

The City of Moreno Valley has created its own local Development Impact Fee (DIF) program to impose and collect fees from new residential, commercial and industrial development for the purpose of funding roadways and intersections necessary to accommodate City growth as identified in the City's General Plan Circulation Element. The City's DIF program includes facilities that are not part of, or which may exceed improvements identified and covered by the TUMF program. As a result, the pairing of the regional and local fee programs provides a more comprehensive funding and implementation plan to ensure an adequate and interconnected transportation system. Under the City's DIF program, the City may grant to developers a credit against specific components of fees when those developers construct certain facilities and landscaped medians identified in the list of improvements funded by the DIF program.

The timing to use the DIF fees is established through periodic capital improvement programs which are overseen by the City's Public Works Department. Periodic traffic counts, review of traffic accidents, and a review of traffic trends throughout the City are also periodically performed by City staff and consultants. The City uses this data to determine the timing of implementing the improvements listed in its facilities list.

The Project Applicant would pay requisite DIF pursuant to incumbent City ordinance requirements. Payment of requisite DIF would satisfy the Applicant's mitigation responsibilities for potentially significant impacts affecting DIF-funded facilities.



### 1.5.3 FAIR SHARE FEES

The Project Applicant's mitigation responsibilities may also be fulfilled through payment of fair-share fees. Fair share fees would be paid in instances where required traffic facilities are not otherwise funded by TUMF and/or DIF programs noted above.

## 1.6 PROJECT IMPACTS AND MITIGATION MEASURES

Based on the assessment of E+P traffic conditions, the intersection of Perris Boulevard and Santiago Drive is anticipated to be cumulatively impacted by the Project. Section 5 *E+P Traffic Analysis* includes the detailed analysis results.

## 1.7 CUMULATIVE IMPACTS AND MITIGATION MEASURES

This section provides a summary of recommended improvements and associated fee assessments necessary to address the Project's contributions to study area cumulative traffic impacts.

Table 1-5 lists the recommended improvements necessary to reduce the identified intersection LOS deficiencies, by analysis scenario. Street and intersection improvements that may be funded through the TUMF and/or DIF programs are noted. If a particular facility tentatively listed in Table 1-5 is ultimately excluded from the TUMF and/or DIF programs, the Project would be responsible for, and would be required to pay, fair share fees for improvement of affected facilities. These fees are collected as part of a funding mechanism aimed at ensuring that regional highways and arterial expansions keep pace with the projected vehicle trip increases. Alternatively, minor fair share responsibilities may be waived when collection is infeasible or where other mitigation assignments substantially exceed the Project's demonstrated impacts.

Improvements included in a defined program and constructed by development may be eligible for a fee credit or reimbursement through the program where appropriate. Tables 1-5 also summarizes the applicable fair share percentage associated with each of the recommended improvements. Detailed fair share calculations, for each peak hour, has been provided on Table 1-6 for the applicable deficient intersections shown previously on Table 1-5.

**Mitigation Measure 1.1** – Prior to the issuance of building permits, the Project applicant shall participate in the City's DIF and County TUMF fee programs by paying the requisite fees at the time of building permit, and in addition pay the Project's fair share amount of \$35,361 for the improvements identified in Table 1-5 that are consistent with the improvements shown on Table 6-3, or as otherwise agreed to by the City and Project Applicant. Project fair share payment shall only be collected if the City creates a fee program that includes the improvements the fair share contribution is intended to construct.

Table 1-5

Summary of Improvements by Analysis Scenario

#	Intersection Location	Jurisdiction	Recommended Improvements <sup>1</sup>			Improvements in DIF, TUMF, etc. <sup>1</sup>	Total Cost <sup>2</sup>	Fair Share % <sup>3</sup>	Fair Share Cost <sup>3</sup>	
			Existing (2016)	E+P	2021 Without Project					2021 With Project
1	Indian St / Cactus Av	Moreno Valley	None	None	None	EB right turn lane	No	\$90,390	13.9%	\$12,586
3	Indian St / Gentian Av	Moreno Valley	None	None	None	NB left turn lane 2nd NB through lane <sup>4</sup> SB left turn lane <sup>4</sup> 2nd SB through lane <sup>4</sup> WB shared left-through-right turn lane <sup>4</sup>	No No No No No	\$90,390 \$0 \$0 \$0 \$0	34.2%	\$30,911 \$0 \$0 \$0 \$0
12	Perris Bl / Santiago Dr	Moreno Valley	Traffic Signal	Same	Same	EB left turn lane	Yes <sup>5</sup> No	\$0 \$90,390	4.9%	\$0 \$4,450
<b>Total Project Fair Share Contribution to the City of Moreno Valley (non-DIF/TUMF)<sup>6</sup></b>						<b>TOTAL</b>	<b>TOTAL</b>	<b>\$90,390</b>		<b>\$35,361</b>

<sup>1</sup> Improvements included in TUMF Nexus or City of Moreno Valley DIF programs.

<sup>2</sup> Costs have been estimated using the data provided in Appendix G of the San Bernardino County CMP (2003 Update) for preliminary construction costs. Appendix G costs escalated by a factor of 1.8078 to reflect 2021 conditions, except for 1

<sup>3</sup> Program improvements constructed by project may be eligible for fee credit. In lieu fee payment is at discretion of City. Represents the fair share percentage for the Project during the most impacted peak hour.

<sup>4</sup> Improvements to be constructed by the Project as part of site adjacent or site access improvements.

<sup>5</sup> Fair share percentage is not applicable as the recommended improvements at this location are included in a pre-existing fee program.

<sup>6</sup> Total project fair share contribution consists of the improvements which are not already included in the City-wide DIF/County TUMF for those intersections wholly or partially within the City of Moreno Valley.



Table 1-6

Project Fair Share Calculations

#	Intersection		Existing	Project	2021 With Project	Total New Traffic	Project Fair Share <sup>1</sup>
1	Indian St / Cactus Av	AM:	2,669	49	3,077	408	12.0%
		PM:	2,430	66	2,904	474	<b>13.9%</b>
3	Indian St / Gentian Av	AM:	779	48	939	160	30.0%
		PM:	821	66	1,014	193	<b>34.2%</b>
12	Perris Bl / Santiago Dr	AM:	1,677	32	2,327	650	<b>4.9%</b>
		PM:	1,997	44	3,236	1,239	3.6%

\* Highest fair share percentage represented in **BOLD** and shown on Table 1-5.

<sup>1</sup> Fair share based on net new traffic which is calculated from Opening Year Cumulative (2021) with Project traffic volumes less Existing (2016) traffic volumes.

Attachment: Traffic Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

## 1.8 SITE ADJACENT ROADWAY AND SITE ACCESS IMPROVEMENTS

This section summarizes Project site access and on-site circulation recommendations. The Project is proposed to have access on Gentian Avenue via Street J and Street L and Santiago Drive via Street N and Street L. All driveways are assumed to allow full-access, with the exception of the intersections on Santiago Drive, which are both knuckles. Regional access to the project site is provided via the I-215 Freeway at Cactus Avenue interchange.

Roadway improvements necessary to provide site access and on-site circulation are assumed to be constructed in conjunction with site development and are described below. These improvements are required to be in place prior to occupancy. Exhibit 1-3 illustrates the site-adjacent roadway improvement recommendations and site access improvements. Construction of on-site and site adjacent improvements are recommended to occur in conjunction with adjacent Project development activity or as needed for Project access purposes.

### 1.8.1 SITE ADJACENT ROADWAY IMPROVEMENTS

The recommended site-adjacent roadway improvements for the Project are described below. These improvements need to be incorporated into the project description prior to Project approval or imposed as conditions of approval as part of the Project approval. Exhibit 1-3 illustrates the site-adjacent roadway improvement recommendations.

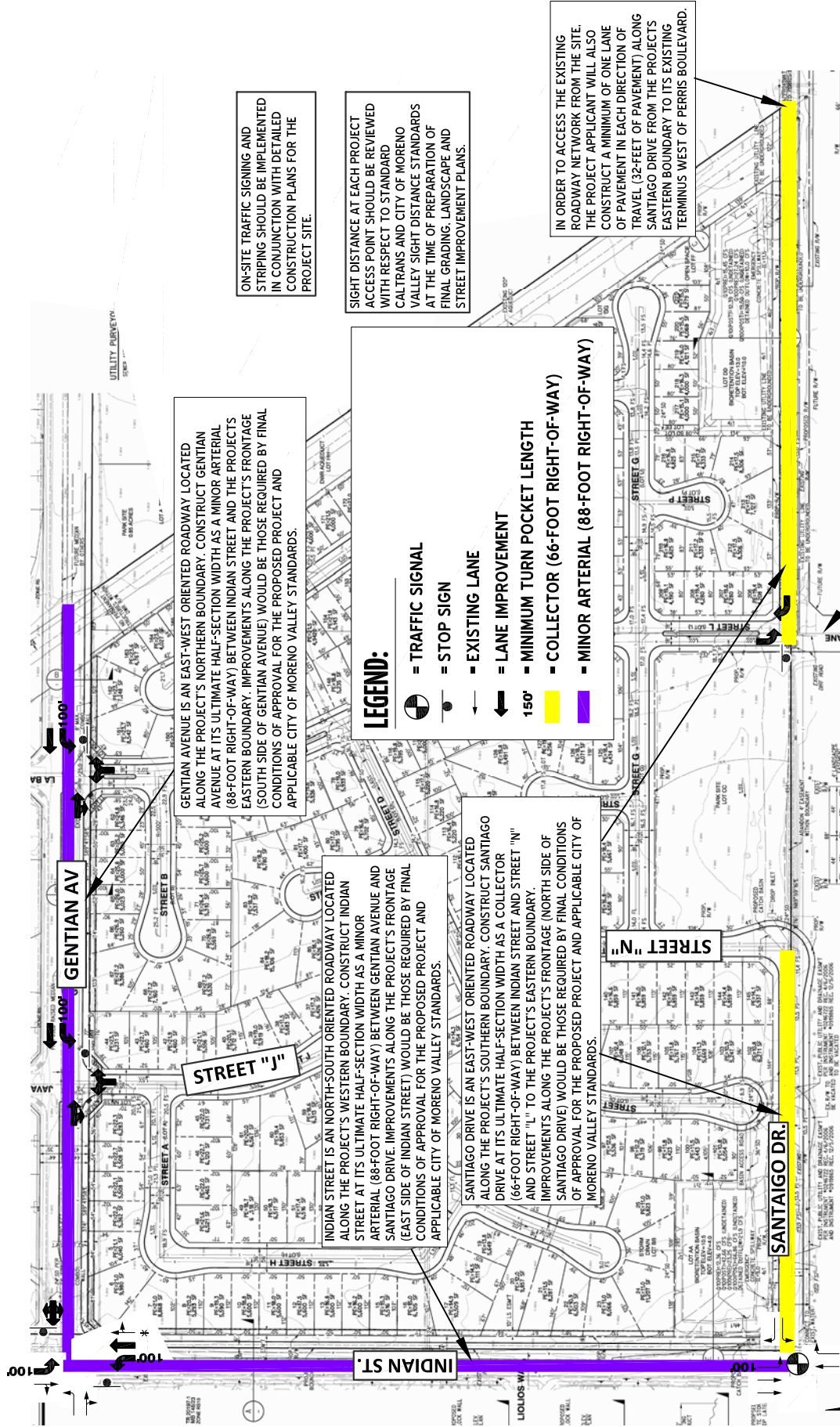
**Gentian Avenue** – Gentian Avenue is an east-west oriented roadway located along the Project’s northern boundary. Construct Gentian Avenue at its ultimate half-section width as a minor arterial (88-foot right-of-way) between Indian Street and the Project’s eastern boundary. Improvements along the Project’s frontage (south side of Gentian Avenue) would be those required by final conditions of approval for the proposed Project and applicable City of Moreno Valley standards.

**Indian Street** – Indian Street is a north-south oriented roadway located along the Project’s western boundary. Construct Indian Street at its ultimate half-section width as a minor arterial (88-foot right-of-way) between Gentian Avenue and Santiago Drive. Improvements along the Project’s frontage (east side of Indian Street) would be those required by final conditions of approval for the proposed Project and applicable City of Moreno Valley standards.

**Santiago Drive** – Santiago Drive is an east-west oriented roadway located along the Project’s southern boundary. Construct Santiago Drive at its ultimate half-section width as a collector (66-foot right-of-way) between Indian Street and Street N and Street L to the Project’s eastern boundary. Improvements along the Project’s frontage (north side of Santiago Drive) would be those required by final conditions of approval for the proposed Project and applicable City of Moreno Valley standards.

In order to access the existing roadway network from the site, the Project Applicant will also construct a minimum of one lane of pavement in each direction of travel (32-feet of pavement) along Santiago Drive from the Project’s eastern boundary to its existing terminus west of Perris Boulevard.

**EXHIBIT 1-3: SITE ACCESS AND SITE ADJACENT ROADWAY RECOMMENDATIONS**



ON-SITE TRAFFIC SIGNING AND STRIPING SHOULD BE IMPLEMENTED IN CONJUNCTION WITH DETAILED CONSTRUCTION PLANS FOR THE PROJECT SITE.

SIGHT DISTANCE AT EACH PROJECT ACCESS POINT SHOULD BE REVIEWED WITH RESPECT TO STANDARD CALTRANS AND CITY OF MORENO VALLEY SIGHT DISTANCE STANDARDS AT THE TIME OF PREPARATION OF FINAL GRADING, LANDSCAPE AND STREET IMPROVEMENT PLANS.

IN ORDER TO ACCESS THE EXISTING ROADWAY NETWORK FROM THE SITE, THE PROJECT APPLICANT WILL ALSO CONSTRUCT A MINIMUM OF ONE LANE OF PAVEMENT IN EACH DIRECTION OF TRAVEL (32- FEET OF PAVEMENT) ALONG SANTIAGO DRIVE FROM THE PROJECTS EASTERN BOUNDARY TO ITS EXISTING TERMINUS WEST OF PERRIS BOULEVARD.

- LEGEND:**
- ☉ = TRAFFIC SIGNAL
  - = STOP SIGN
  - = EXISTING LANE
  - ← = LANE IMPROVEMENT
  - 150' = MINIMUM TURN POCKET LENGTH
  - Yellow = COLLECTOR (66-FOOT RIGHT-OF-WAY)
  - Purple = MINOR ARTERIAL (88-FOOT RIGHT-OF-WAY)

\* SHOULD BE STRIPED OFF UNTIL SUCH TIME INDIAN STREET IS WIDENED TO THE NORTH TO ACCOMMODATE A SECOND RECEIVING LANE.

NO CONNECTION PROPOSED TO EXISTING EMMA LANE.



## 1.8.2 SITE ACCESS IMPROVEMENTS

The recommended site access driveway improvements for the Project are described below. Exhibit 1-3 illustrates the on-site and site adjacent recommended intersection lane improvements. Construction of on-site and site adjacent improvements are recommended to occur in conjunction with adjacent Project development activity or as needed for Project access purposes.

The following intersection recommendations represent the minimum lanes that must be provided to achieve acceptable peak hour operations. As there is not anticipated to be sufficient receiving lanes beyond the Project, a minimum of one lane should be provided in each direction of travel until such time that the adjacent roadways are also widened to their ultimate General Plan roadway classification. However, the site adjacent roadways will be improved consistent with Section 1.8.1 *Site Adjacent Roadway Improvements* of this report.

**Indian Street & Gention Avenue (#3)** – Install a stop control on the westbound approach and construct the intersection with the following geometrics:

Northbound Approach: One left turn lane with a minimum of 100-feet of storage, one through lane, and one shared through right turn lane. The second northbound through lane should not be striped until such time Indian Street is widened to the north to accommodate a second receiving lane.

Southbound Approach: One left turn lane with a minimum of 100-feet of storage and one shared through-right turn lane.

Eastbound Approach: One left turn lane and restripe the right turn lane as a shared through-right turn lane.

Westbound Approach: One shared left-through-right turn lane.

**Indian Street & Santiago Drive (#4)** – Maintain the existing traffic signal control and the following existing geometrics:

Northbound Approach: One through lane and one right turn lane with 60-feet of storage.

Southbound Approach: One left turn lane with 100-feet of storage and two through lanes.

Eastbound Approach: Not Applicable (N/A)

Westbound Approach: One left turn lane and one right turn lane.

**Street J & Gention Avenue (#6)** – Intersection is proposed to align with the future Java Street to the north. Install a stop control on the northbound approach and construct the intersection with the following geometrics:

Northbound Approach: One shared left-right turn lane.

Southbound Approach: N/A

Eastbound Approach: One shared through-right turn lane.



Westbound Approach: One left turn lane with a minimum of 100-feet of storage and one through lane.

**Street L & Gentian Avenue (#7)** – Intersection is proposed to align with the future La Barca to the north. Install a stop control on the northbound approach and construct the intersection with the following geometrics:

Northbound Approach: One shared left-right turn lane.

Southbound Approach: N/A

Eastbound Approach: One shared through-right turn lane.

Westbound Approach: One left turn lane with a minimum of 100-feet of storage and one through lane.

**Street L & Santiago Drive (#8)** – No connection is proposed from Street L to the existing Emma Lane. Install a stop control on the southbound approach and construct the intersection with the following geometrics:

Northbound Approach: N/A

Southbound Approach: One left turn lane.

Eastbound Approach: N/A

Westbound Approach: One right turn lane.

On-site traffic signing and striping should be implemented in conjunction with detailed construction plans for the Project site.

Sight distance at each project access point should be reviewed with respect to standard Caltrans and City of Moreno Valley sight distance standards at the time of preparation of final grading, landscape and street improvement plans.

## 1.9 QUEUING ANALYSIS AT THE PROJECT DRIVEWAYS

A queuing analysis was conducted along the site adjacent roadways of Gentian Avenue, Indian Street, and Santiago Drive for Opening Year Cumulative (2021) traffic conditions to determine the turn pocket lengths necessary to accommodate near term 95<sup>th</sup> percentile queues. The analysis was conducted for both the weekday AM and weekday PM peak hours.

The traffic modeling and signal timing optimization software package Synchro (Version 9) has been utilized to assess queues at the Project access points. Synchro is a macroscopic traffic software program that is based on the signalized and unsignalized intersection capacity analyses as specified in the HCM. SimTraffic is designed to model networks of signalized and unsignalized intersections, with the primary purpose of checking and fine tuning signal operations. SimTraffic uses the input parameters from Synchro to generate random simulations.

SimTraffic has been utilized to assess peak hour queuing at the site access driveways for Opening Year Cumulative With Project traffic conditions. The random simulations generated by SimTraffic have been utilized to determine the 95<sup>th</sup> percentile queue lengths observed for each turn lane. A SimTraffic simulation has been recorded 5 times, during the weekday AM and weekday PM peak hours, and has been seeded for 30-minute periods with 60-minute recording intervals.

A vehicle is considered queued whenever it is traveling at less than 10 feet/second. A vehicle will only become queued when it is either at the stop bar or behind another queued vehicle. Although only the 95<sup>th</sup> percentile queue has been utilized for purposes of determining the necessary turn pocket storage lengths, the 50<sup>th</sup> percentile queues are also reported. The 50<sup>th</sup> percentile queue is the maximum back of queue on a typical cycle during the peak hour, while the 95<sup>th</sup> percentile queue is the maximum back of queue with 95<sup>th</sup> percentile traffic volumes during the peak hour. In other words, if traffic were observed for 100 cycles, the 95<sup>th</sup> percentile queue would be the queue experienced with the 95<sup>th</sup> busiest cycle (or 5% of the time). The 50<sup>th</sup> percentile, or average, queue represents the typical queue length for peak hour traffic conditions, while the 95<sup>th</sup> percentile queue is derived from the average queue plus 1.65 standard deviations. The 95<sup>th</sup> percentile queue is not necessarily ever observed, it is simply based on statistical calculations. The average queue is the average of all the two-minute maximum queues observed by SimTraffic. The maximum back of queue observed for every two-minute period is recorded by SimTraffic. However, many jurisdictions utilize the 95<sup>th</sup> percentile queues for design purposes.

The storage length recommendations for the turning movements at the Project were shown previously on Exhibit 1-3 for Opening Year Cumulative traffic conditions. Queuing results are provided in Appendix 1.2.

## 2 METHODOLOGIES

This section of the report presents the methodologies used to perform the traffic analyses summarized in this report. The methodologies described are generally consistent with City of Moreno Valley. (1)

### 2.1 LEVEL OF SERVICE

Traffic operations of roadway facilities are described using the term "Level of Service" (LOS). LOS is a qualitative description of traffic flow based on several factors such as speed, travel time, delay, and freedom to maneuver. Six levels are typically defined ranging from LOS A, representing completely free-flow conditions, to LOS F, representing breakdown in flow resulting in stop-and-go conditions. LOS E represents operations at or near capacity, an unstable level where vehicles are operating with the minimum spacing for maintaining uniform flow.

### 2.2 INTERSECTION CAPACITY ANALYSIS

The definitions of LOS for interrupted traffic flow (flow restrained by the existence of traffic signals and other traffic control devices) differ slightly depending on the type of traffic control. The LOS is typically dependent on the quality of traffic flow at the intersections along a roadway. The *Highway Capacity Manual* (HCM) methodology expresses the LOS at an intersection in terms of delay time for the various intersection approaches. (6) The HCM uses different procedures depending on the type of intersection control.

#### 2.2.1 SIGNALIZED INTERSECTIONS

##### *City of Moreno Valley*

The City of Moreno Valley requires signalized intersection operations analysis based on the methodology described in the HCM. (6) Intersection LOS operations are based on an intersection's average control delay. Control delay includes initial deceleration delay, queue move-up time, stopped delay, and final acceleration delay. For signalized intersections, LOS is directly related to the average control delay per vehicle and is correlated to a LOS designation as described in Table 2-1. Study area intersections have been evaluated using the Synchro (Version 9) analysis software package.

Synchro is a macroscopic traffic software program that is based on the signalized intersection capacity analysis as specified in the HCM. Macroscopic level models represent traffic in terms of aggregate measures for each movement at the study intersections. Equations are used to determine measures of effectiveness such as delay and queue length. The level of service and capacity analysis performed by Synchro takes into consideration optimization and coordination of signalized intersections within a network.

**TABLE 2-1: SIGNALIZED INTERSECTION LOS THRESHOLDS**

Description	Average Control Delay (Seconds), V/C ≤ 1.0	Level of Service, V/C ≤ 1.0	Level of Service, V/C > 1.0
Operations with very low delay occurring with favorable progression and/or short cycle length.	0 to 10.00	A	F
Operations with low delay occurring with good progression and/or short cycle lengths.	10.01 to 20.00	B	F
Operations with average delays resulting from fair progression and/or longer cycle lengths. Individual cycle failures begin to appear.	20.01 to 35.00	C	F
Operations with longer delays due to a combination of unfavorable progression, long cycle lengths, or high V/C ratios. Many vehicles stop and individual cycle failures are noticeable.	35.01 to 55.00	D	F
Operations with high delay values indicating poor progression, long cycle lengths, and high V/C ratios. Individual cycle failures are frequent occurrences. This is considered to be the limit of acceptable delay.	55.01 to 80.00	E	F
Operation with delays unacceptable to most drivers occurring due to over saturation, poor progression, or very long cycle lengths	80.01 and up	F	F

Source: HCM

The peak hour traffic volumes have been adjusted using a peak hour factor (PHF) to reflect peak 15 minute volumes. Common practice for LOS analysis is to use a peak 15-minute rate of flow. However, flow rates are typically expressed in vehicles per hour. The PHF is the relationship between the peak 15-minute flow rate and the full hourly volume (e.g.  $PHF = [Hourly Volume] / [4 \times Peak\ 15\text{-minute\ Flow\ Rate}]$ ). The use of a 15-minute PHF produces a more detailed analysis as compared to analyzing vehicles per hour. Existing PHFs have been used for all analysis scenarios. Per the HCM, PHF values over 0.95 often are indicative of high traffic volumes with capacity constraints on peak hour flows, while lower PHF values are indicative of greater variability of flow during the peak hour. (6)

### 2.2.2 UNSIGNALIZED INTERSECTIONS

All unsignalized intersections in the study area are located within the City of Moreno Valley. The City of Moreno Valley requires the operations of unsignalized intersections be evaluated using the methodology described the HCM. (6) The LOS rating is based on the weighted average control delay expressed in seconds per vehicle (see Table 2-2).

TABLE 2-2: UNSIGNALIZED INTERSECTION LOS THRESHOLDS

Description	Average Control Delay Per Vehicle (Seconds)	Level of Service, V/C ≤ 1.0	Level of Service, V/C > 1.0
Little or no delays.	0 to 10.00	A	F
Short traffic delays.	10.01 to 15.00	B	F
Average traffic delays.	15.01 to 25.00	C	F
Long traffic delays.	25.01 to 35.00	D	F
Very long traffic delays.	35.01 to 50.00	E	F
Extreme traffic delays with intersection capacity exceeded.	> 50.00	F	F

Source: HCM

At two-way or side-street stop-controlled intersections, LOS is calculated for each controlled movement and for the left turn movement from the major street, as well as for the intersection as a whole. For approaches composed of a single lane, the delay is computed as the average of all movements in that lane. For all-way stop controlled intersections, LOS is computed for the intersection as a whole.

### 2.3 ROADWAY SEGMENT CAPACITY ANALYSIS

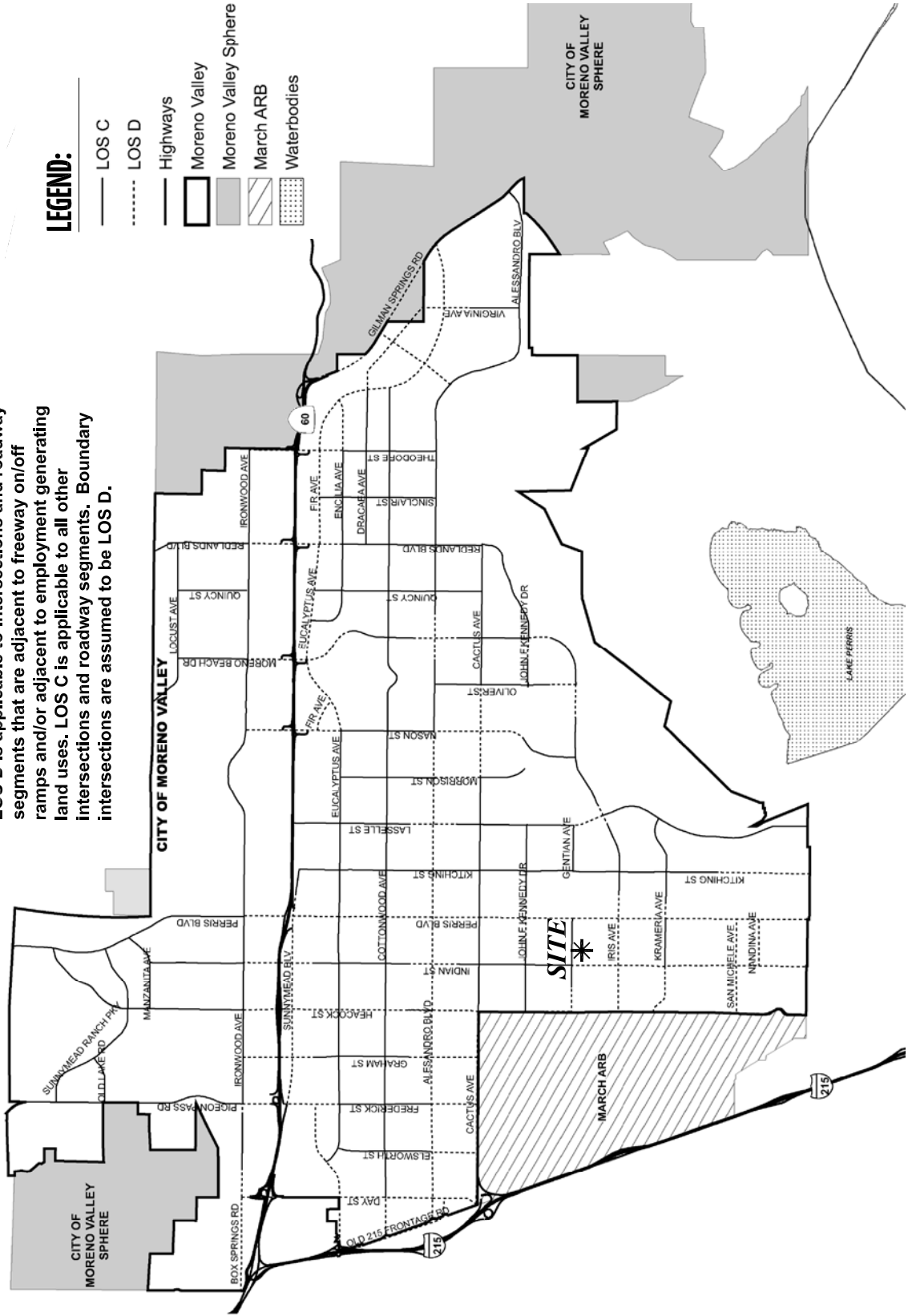
Roadway segment operations have been evaluated using the City of Moreno Valley Daily Roadway Capacity Values provided in the *City of Moreno Valley Transportation Engineering Division Traffic Impact Analysis (TIA) Preparation Guide* (1). Per the City of Moreno Valley TIA guidelines, roadway segments within the study area should maintain the LOS capacities illustrated on Exhibit 2-1. The daily roadway segment capacities for each type of roadway are summarized in Table 2-3. These roadway capacities are “rule of thumb” estimates for planning purposes and are affected by such factors as intersections (spacing, configuration and control features), degree of access control, roadway grades, design geometrics (horizontal and vertical alignment standards), sight distance, vehicle mix (truck and bus traffic), and pedestrian bicycle traffic. As such, where the average daily traffic (ADT) based roadway segment analysis indicates a deficiency (unacceptable LOS), a review of the more detailed peak hour intersection analysis and progression analysis are undertaken. The more detailed peak hour intersection analysis explicitly accounts for factors that affect roadway capacity. Therefore, roadway segment widening is typically only recommended if the peak hour intersection analysis indicates the need for additional through lanes.

**EXHIBIT 2-1: CITY OF MORENO VALLEY LEVEL OF SERVICE (LOS) STANDARDS**

LOS D is applicable to intersections and roadway segments that are adjacent to freeway on/off ramps and/or adjacent to employment generating land uses. LOS C is applicable to all other intersections and roadway segments. Boundary intersections are assumed to be LOS D.

**LEGEND:**

- LOS C
- - - - - LOS D
- Highways
- ▭ Moreno Valley
- ▭ Moreno Valley Sphere
- ▨ March ARB
- ▤ Waterbodies



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**TABLE 2-3: ROADWAY SEGMENT CAPACITY LOS THRESHOLDS<sup>1</sup>**

Facility Type	Level of Service Capacity <sup>1</sup>				
	A	B	C	D	E
Six Lane Divided Arterial	33,900	39,400	45,000	50,600	56,300
Four Lane Divided Arterial	22,500	26,300	30,000	33,800	37,500
Four Lane Undivided Arterial	15,000	17,500	20,000	22,500	25,000
Two Lane Industrial Collector	7,500	8,800	10,000	11,300	12,500
Two Lane Undivided Residential	N/A	N/A	N/A	N/A	2,000

<sup>1</sup> These maximum roadway capacities have been extracted from the City of Moreno Valley's Transportation Division's TIA Preparation Guidelines (August 2007). These roadway capacities are "rule of thumb" estimates for planning purposes. The LOS E service volumes are estimated maximum daily capacity for respective roadway classifications. Capacity is affected by such factors as intersections (spacing, configuration and control features), degree of access control, roadway grades, design geometrics (horizontal and vertical alignment standards), sight distance, vehicle mix (truck and bus traffic) and pedestrian and bicycle traffic.

## 2.4 TRAFFIC SIGNAL WARRANT ANALYSIS METHODOLOGY

The term "signal warrants" refers to the list of established criteria used by the California Department of Transportation (Caltrans) and other public agencies to quantitatively justify or ascertain the potential need for installation of a traffic signal at an otherwise unsignalized intersection. This TIA uses the signal warrant criteria presented in the latest edition of the Federal Highway Administration's (FHWA) *Manual on Uniform Traffic Control Devices (MUTCD)*, as amended by *the MUTCD 2014 California Supplement*, for all study area intersections. (7)

The signal warrant criteria for Existing study area intersections are based upon several factors, including volume of vehicular and pedestrian traffic, frequency of accidents, and location of school areas. Both the FHWA's *MUTCD* and the *MUTCD 2014 California Supplement* indicate that the installation of a traffic signal should be considered if one or more of the signal warrants are met. (7) Specifically, this TIA utilizes the Peak Hour Volume-based Warrant 3 as the appropriate representative traffic signal warrant analysis for existing traffic conditions. Warrant 3 criteria are basically identical for both the FHWA's *MUTCD* and the *MUTCD 2014 California Supplement*. Warrant 3 is appropriate to use for this TIA because it provides specialized warrant criteria for intersections with rural characteristics (e.g. located in communities with populations of less than 10,000 persons or with adjacent major streets operating above 40 miles per hour). For the purposes of this study, the speed limit was the basis for determining whether Urban or Rural warrants were used for a given intersection.

Future unsignalized intersections, that currently do not exist, have been assessed regarding the potential need for new traffic signals based on future average daily traffic (ADT) volumes, using the Caltrans planning level ADT-based signal warrant analysis worksheets.

Traffic signal warrant analyses were performed for the following unsignalized study area intersections during the peak weekday conditions wherein the Project is anticipated to contribute the highest trips:

- Indian Street / Gentian Avenue (#3)
- Street J / Gentian Avenue (#6)
- Street L / Gentian Avenue (#7)
- Street L / Santiago Drive (#8)
- Perris Boulevard / Santiago Drive (#12)

The Existing conditions traffic signal warrant analysis is presented in the subsequent section, Section 3 *Area Conditions* of this report. The traffic signal warrant analyses for future conditions are presented in Section 5 *E+P Traffic Analysis*, and Section 6 *Opening Year Cumulative (2021) Traffic Analysis* of this report.

It is important to note that a signal warrant defines the minimum condition under which the installation of a traffic signal might be warranted. Meeting this threshold condition does not require that a traffic control signal be installed at a particular location, but rather, that other traffic factors and conditions be evaluated in order to determine whether the signal is truly justified. It should also be noted that signal warrants do not necessarily correlate with LOS. An intersection may satisfy a signal warrant condition and operate at or above acceptable LOS or operate below acceptable LOS and not meet a signal warrant.

## 2.5 MINIMUM LEVEL OF SERVICE (LOS)

The definition of an intersection deficiency has been obtained from each of the applicable surrounding jurisdictions.

### 2.5.1 CITY OF MORENO VALLEY

The definition of an intersection deficiency in the City of Moreno Valley is based on the City of Moreno Valley General Plan Circulation Element. The City of Moreno Valley General Plan states that target LOS C or LOS D be maintained along City roads (including intersections) wherever possible. Exhibit 2-1 depicts the level of service standards within the City.

### 2.5.2 CMP

In an effort to more directly link land use, transportation and air quality and promote reasonable growth, the County of Riverside adopted a CMP (December 2011). The RCTC monitors the CMP roadway network system to minimize LOS deficiencies. Within the project study area, the I-215 Freeway is recognized as a key transportation facility within the CMP system. Although Caltrans utilizes LOS D as their stated threshold, RCTC has adopted LOS E as the minimum standard for intersections and segments along the CMP System of Highways and Roadways. There are no CMP intersections within the study area.

## 2.6 PROJECT FAIR SHARE CALCULATION METHODOLOGY

Improvements found to be included in the City of Moreno Valley's DIF program and WRCOG TUMF, will be identified as such. For improvements that do not appear to be in either of the pre-existing fee programs, a fair share financial contribution based on the Project's fair share

impact may be imposed in order to mitigate the Project's share of impacts in lieu of construction.

If the intersection is currently operating at acceptable LOS under Existing traffic conditions, the Project's fair share cost of improvements would be determined based on the following equation, which is the ratio of Project traffic to new traffic, where new traffic is total future traffic less existing baseline traffic:

$$\text{Project Fair Share \%} = \text{Project Traffic} / (\text{2020 With Project Total Traffic} - \text{Existing Traffic})$$

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Attachment: Traffic Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

### 3 AREA CONDITIONS

This section provides a summary of the existing circulation network, the City of Moreno Valley General Plan Circulation Network, and a review of existing peak hour intersection operations, roadway segment, and traffic signal warrant analyses.

#### 3.1 EXISTING CIRCULATION NETWORK

Pursuant to the scoping agreement with City of Moreno Valley staff (Appendix 1.1), the study area includes a total of 13 existing and future intersections as shown previously on Exhibit 1-2 where the Project is anticipated to contribute 50 or more peak hour trips. Exhibit 3-1 illustrates the study area intersections located near the proposed Project and identifies the number of through traffic lanes for existing roadways and intersection traffic controls.

#### 3.2 CITY OF MORENO VALLEY GENERAL PLAN CIRCULATION ELEMENT

As noted previously, the Project site is located within the City of Moreno Valley. The roadway classifications and planned (ultimate) roadway cross-sections of the major roadways within the study area, as identified on the City of Moreno Valley General Plan Circulation Element, are described subsequently. Exhibit 3-2 shows the City of Moreno Valley General Plan Circulation Element, and Exhibit 3-3 illustrates the City of Moreno Valley General Plan roadway cross-sections.

#### 3.3 TRANSIT SERVICE

The study area is currently served by the Riverside Transit Authority (RTA), a public transit agency serving the unincorporated Riverside County region. As shown on Exhibit 3-4, RTA Route 19 is the only existing bus route that serves a roadway within the study area in close proximity to the proposed Project. RTA Route 19 serves Perris Boulevard throughout the study area. However, Route 11 and Route 20 could also potentially serve the Project if extended to run along Indian Street.

Transit service is reviewed and updated by RTA periodically to address ridership, budget, and community demands. Changes in land use can affect these periodic adjustments which may lead to either enhanced or reduced service where appropriate.

#### 3.4 BICYCLE & PEDESTRIAN FACILITIES

In an effort to promote alternative modes of transportation, the City of Moreno Valley also includes a trails and bikeway system. The City of Moreno Valley trails and bikeway system are shown on Exhibit 3-5 and Exhibit 3-6. The Juan Bautista de Anza (Aqueduct Trail) bike trail is adjacent to the eastern boundary of the Project and crosses Gentian Avenue. Indian Street and Gentian Avenue are both Class II bike routes.

Field observations conducted in April 2016 indicate nominal pedestrian and bicycle activity within the study area. Exhibit 3-7 illustrates the existing pedestrian facilities, including sidewalks and crosswalk locations.



**EXHIBIT 3-1: EXISTING NUMBER OF THROUGH LANES AND INTERSECTION CONTROLS**

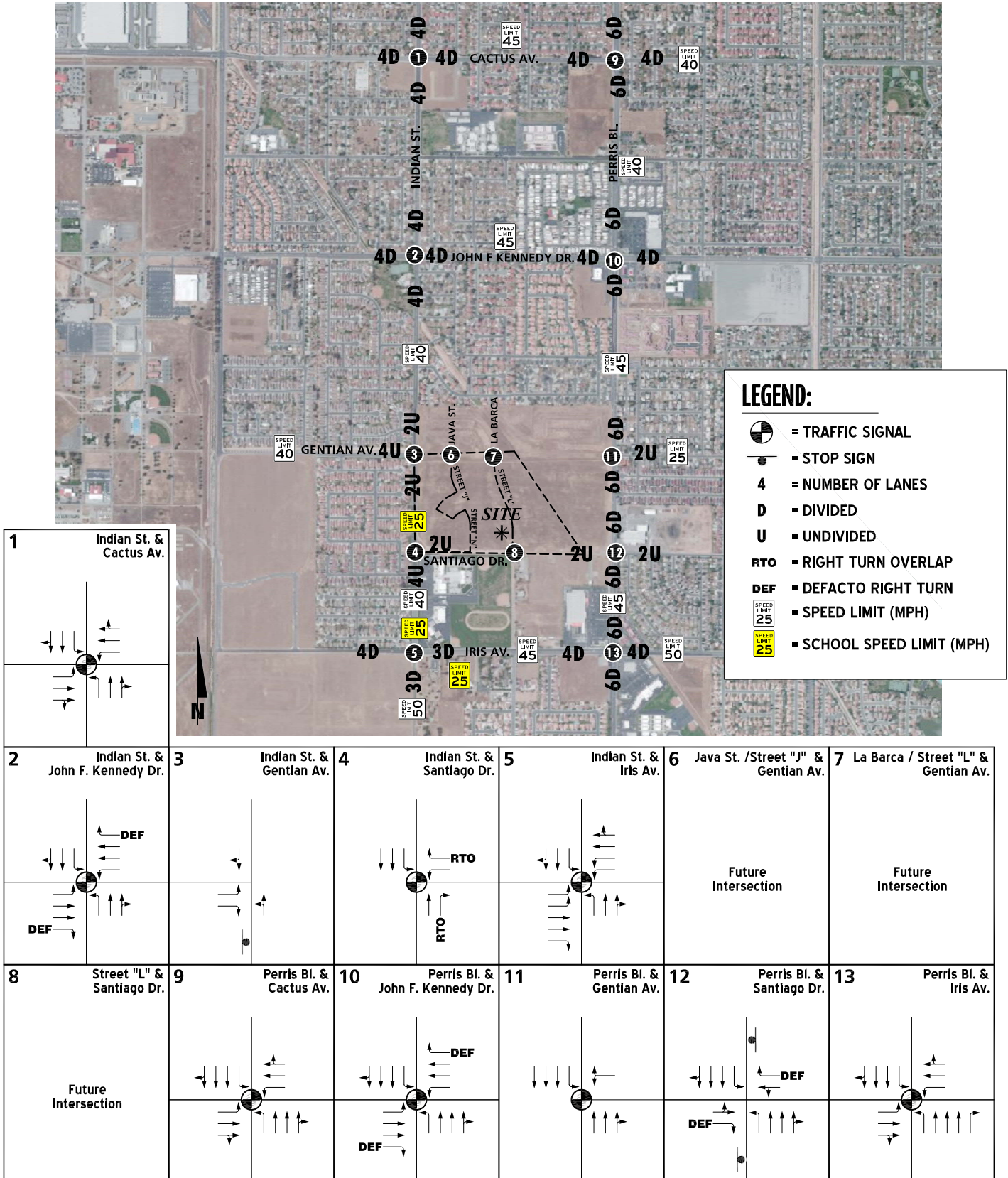




EXHIBIT 3-2: CITY OF MORENO VALLEY GENERAL PLAN CIRCULATION ELEMENT

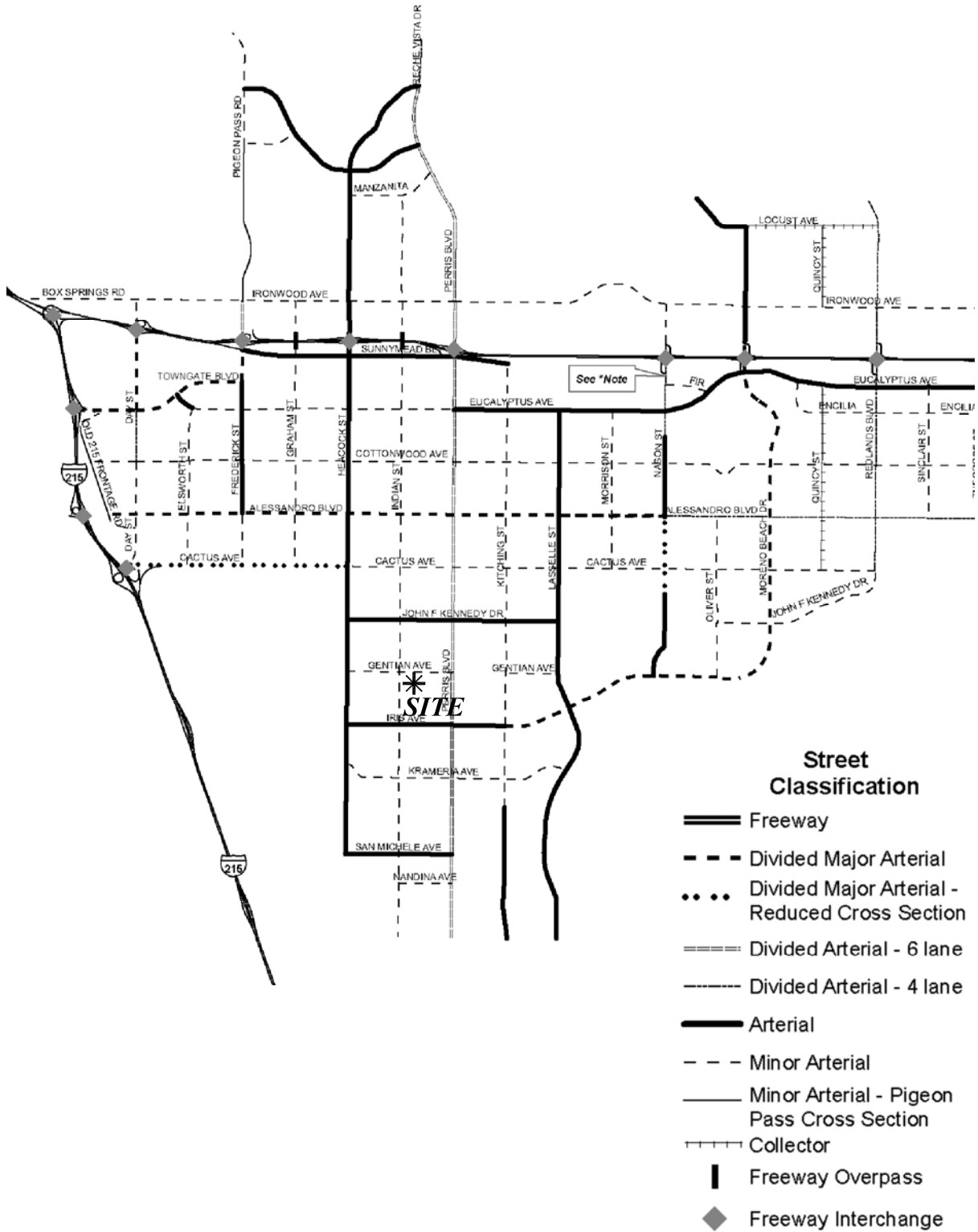
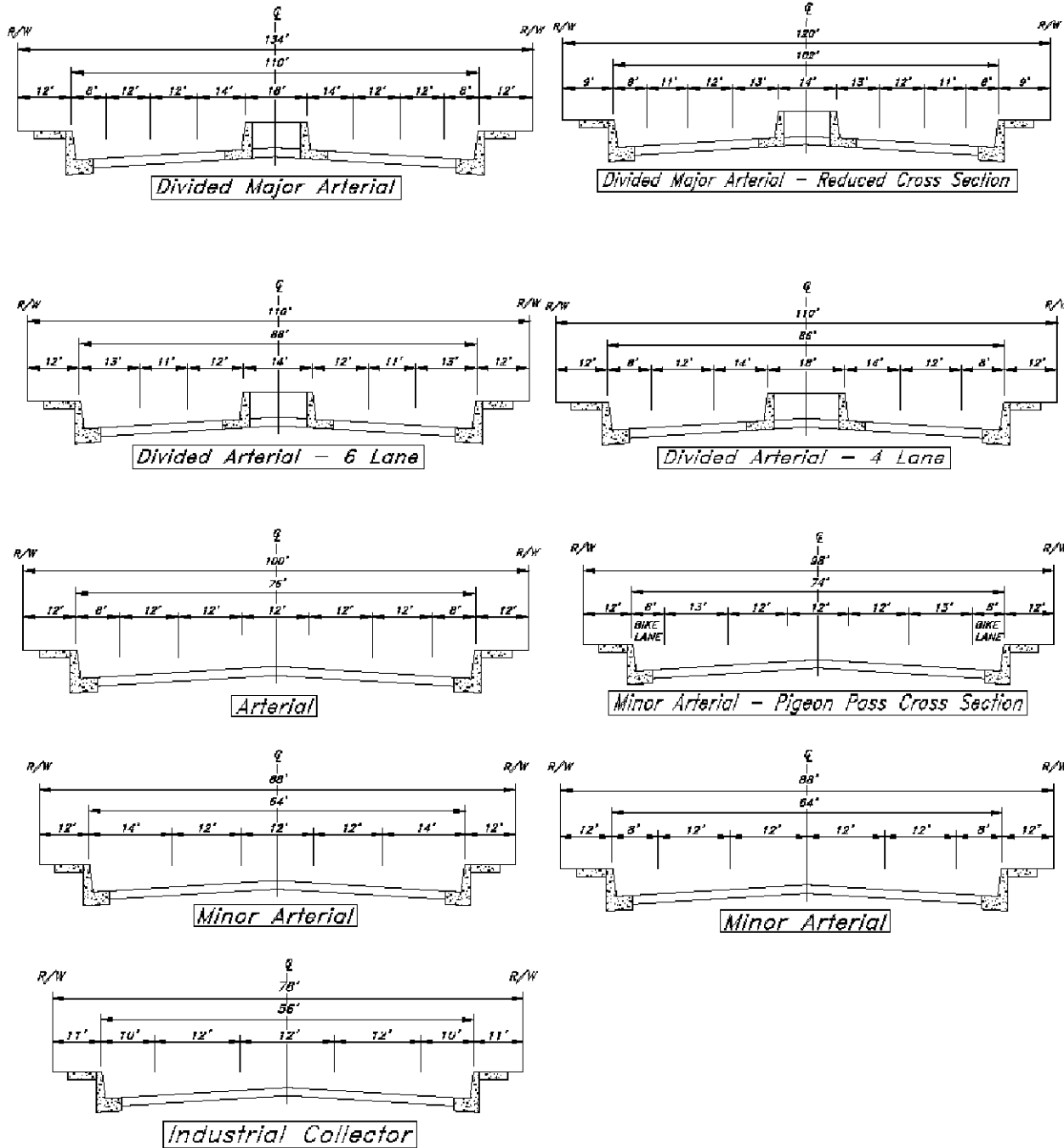
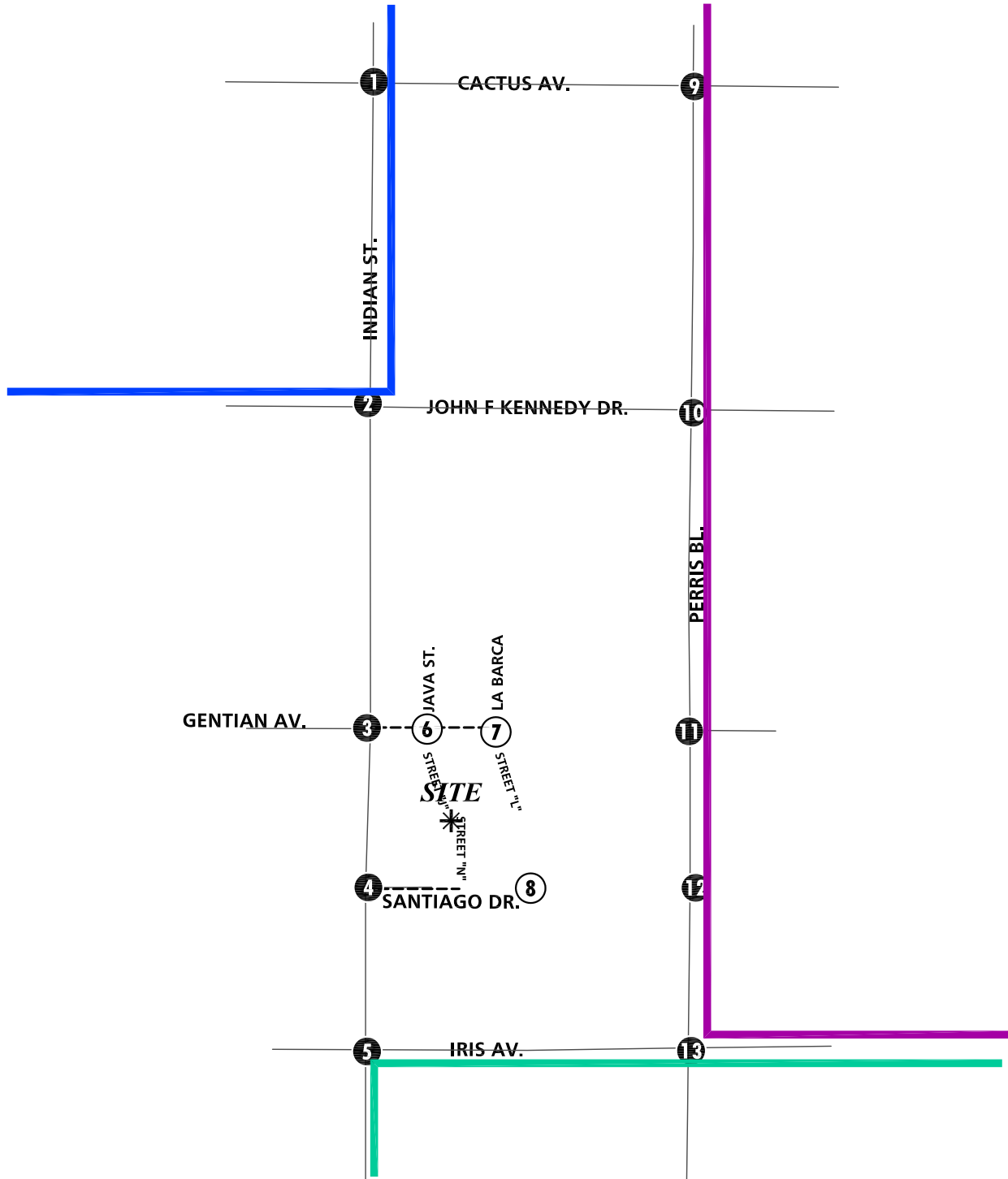


EXHIBIT 3-3: CITY OF MORENO VALLEY GENERAL PLAN ROADWAY CROSS-SECTIONS



Attachment: Traffic Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

EXHIBIT 3-4: EXISTING TRANSIT

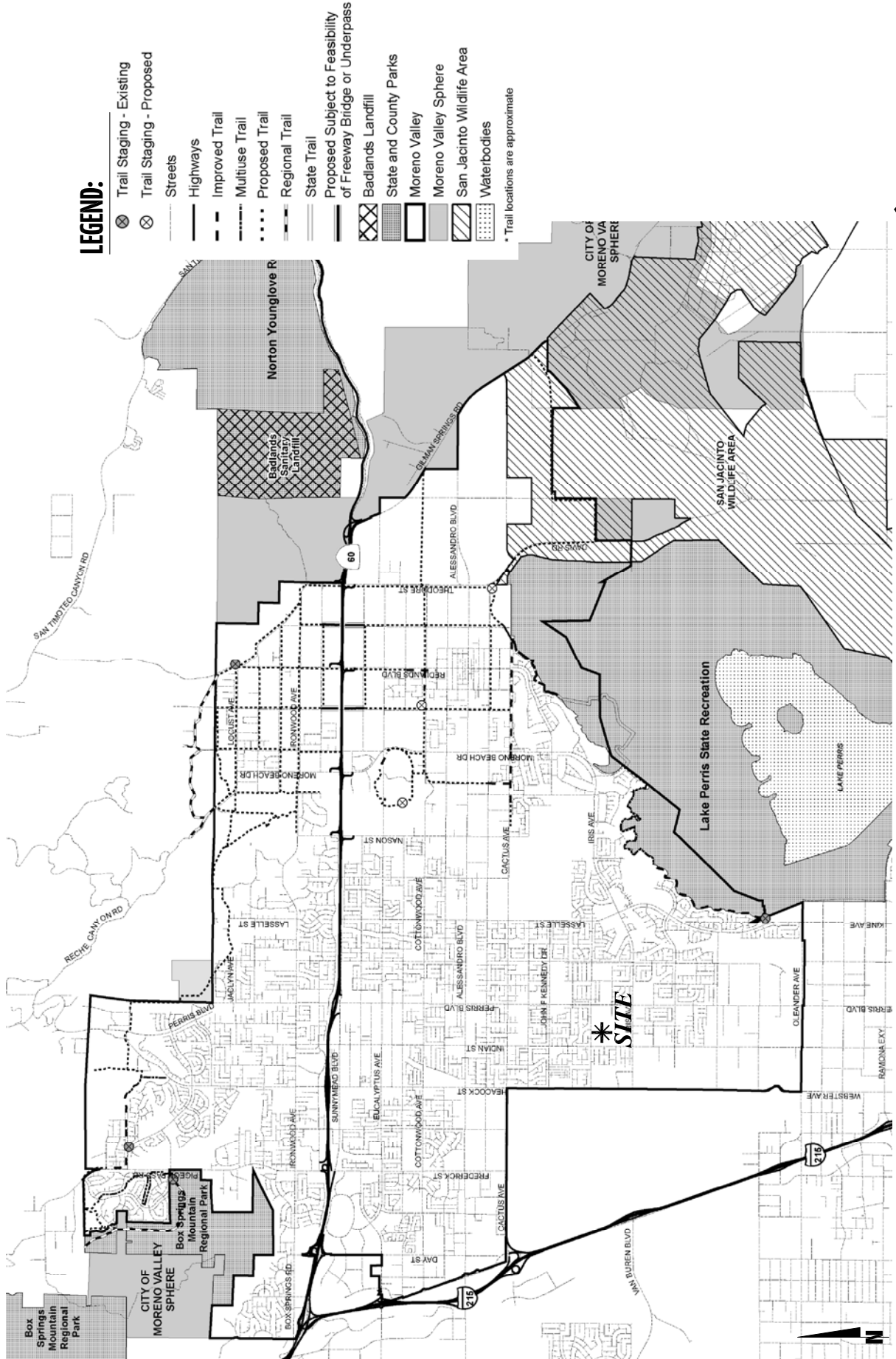


LEGEND:

- █ = RTA ROUTE 11
- █ = RTA ROUTE 19
- █ = RTA ROUTE 20



EXHIBIT 3-5: CITY OF MORENO VALLEY MASTER PLAN OF TRAILS

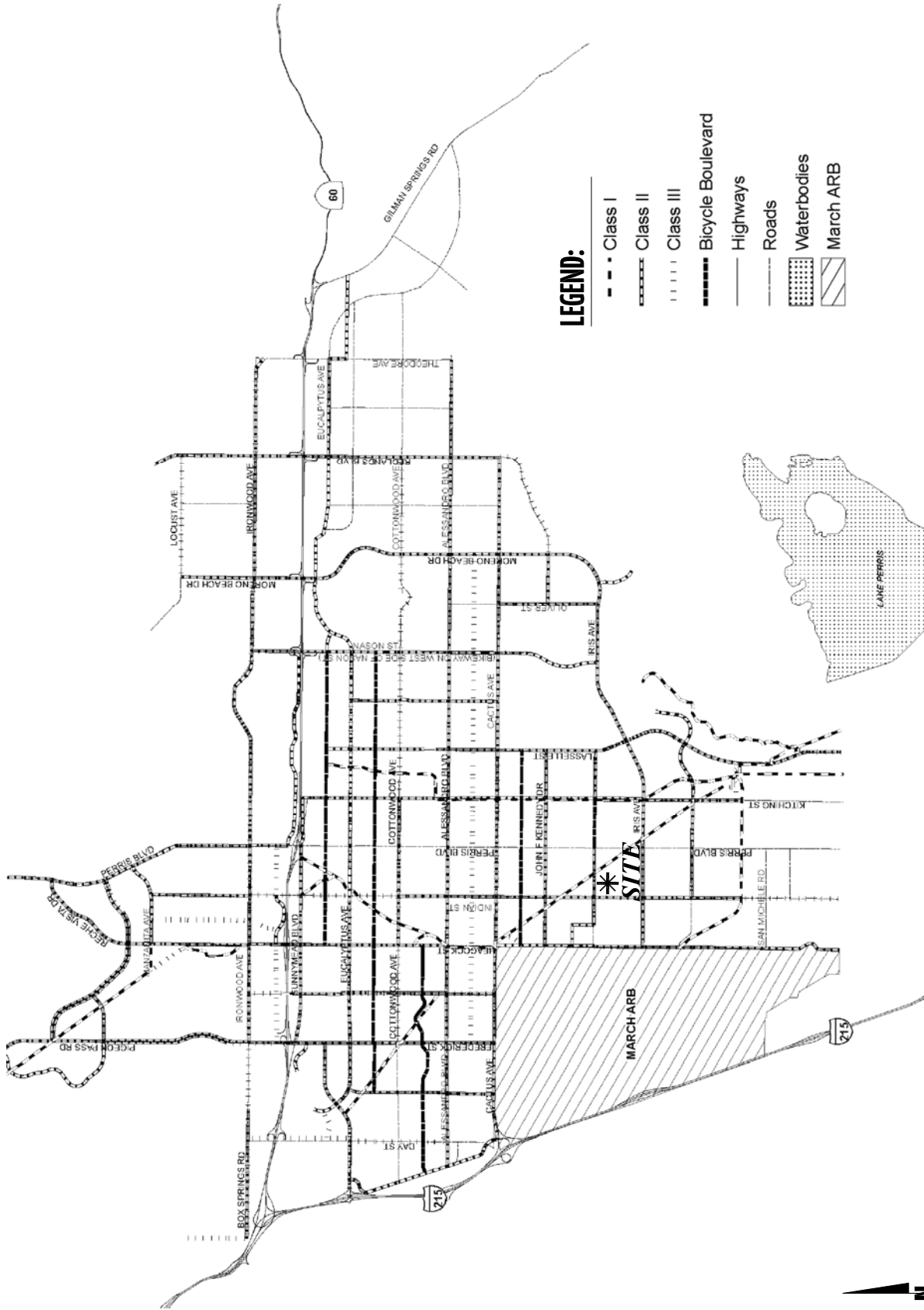


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Attachment: Traffic Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

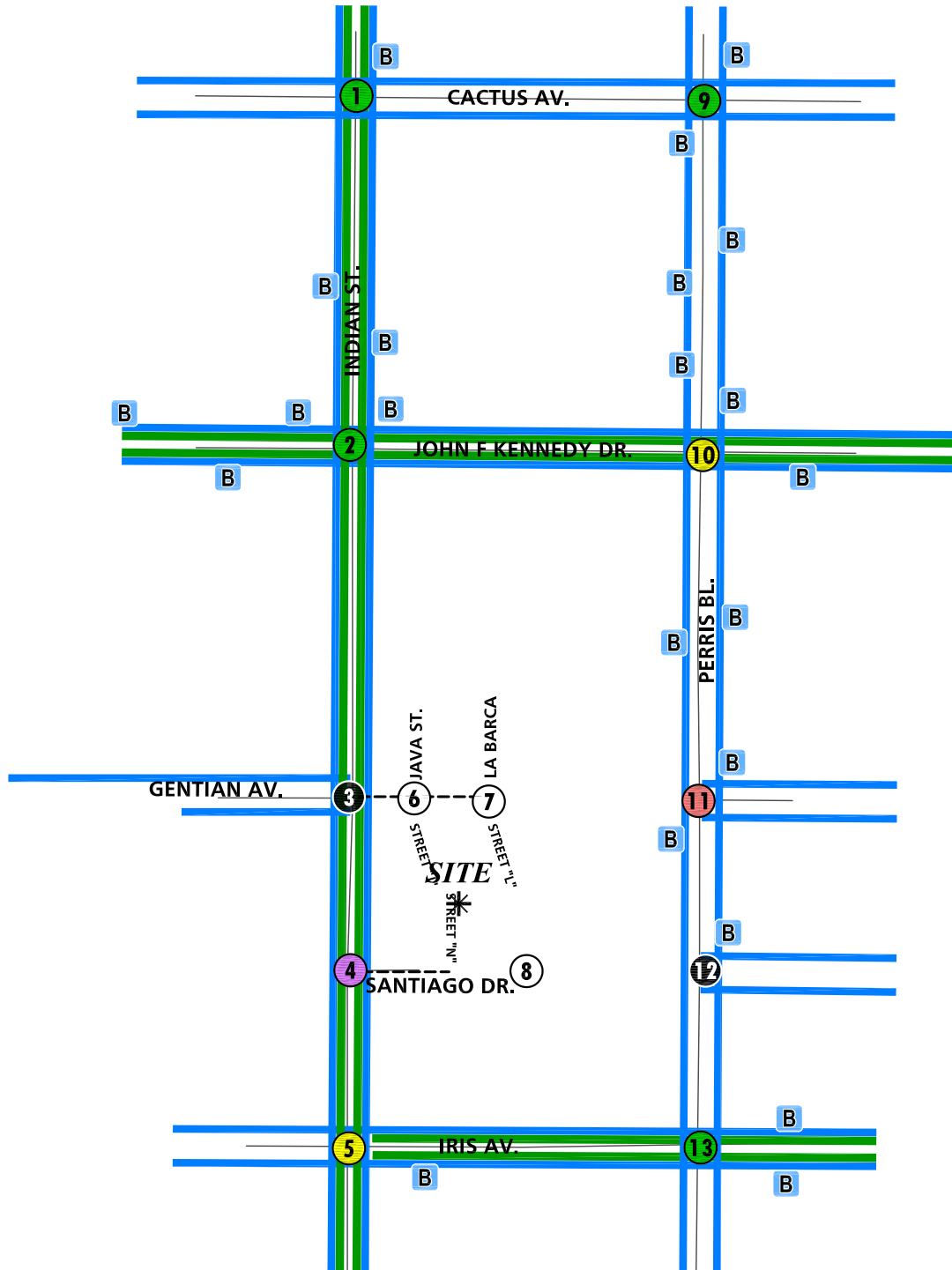
EXHIBIT 3-6: CITY OF MORENO VALLEY BIKE PLAN



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EXHIBIT 3-7: EXISTING PEDESTRIAN FACILITIES



LEGEND:

- = SIDEWALK
- = BIKE LANE
- = BUS STOP
- = NO CROSSWALK
- = FUTURE INTERSECTION
- = CROSSWALK ON ALL APPROACHES
- = CROSSWALK ON TWO APPROACHES
- = SCHOOL CROSSWALK ON TWO APPROACHES
- = SCHOOL CROSSWALK ON FOUR APPROACHES





### 3.5 EXISTING (2016) TRAFFIC COUNTS

The intersection LOS analysis is based on the traffic volumes observed during the peak hour conditions using traffic count data collected in April 2016. The following peak hours were selected for analysis:

- Weekday AM Peak Hour (peak hour between 7:00 AM and 9:00 AM)
- Weekday PM Peak Hour (peak hour between 4:00 PM and 6:00 PM)

The weekday AM and weekday PM peak hour count data is representative of typical weekday peak hour traffic conditions in the study area. There were no observations made in the field that would indicate atypical traffic conditions on the count dates, such as construction activity or detour routes and near-by schools were in session and operating on normal schedules.

The raw manual peak hour turning movement traffic count data sheets are included in Appendix 3.1. These raw turning volumes have been flow conserved between intersections with limited access, no access, and where there are currently no uses generating traffic (e.g., between ramp-to-arterial intersections, etc.).

Existing weekday average daily traffic (ADT) volumes on arterial highways throughout the study area are shown on Exhibit 3-8. The ADT volumes shown are based on 24-hour tube count data collected in April 2016. Existing weekday AM and weekday PM peak hour intersection volumes are also shown on Exhibit 3-8.

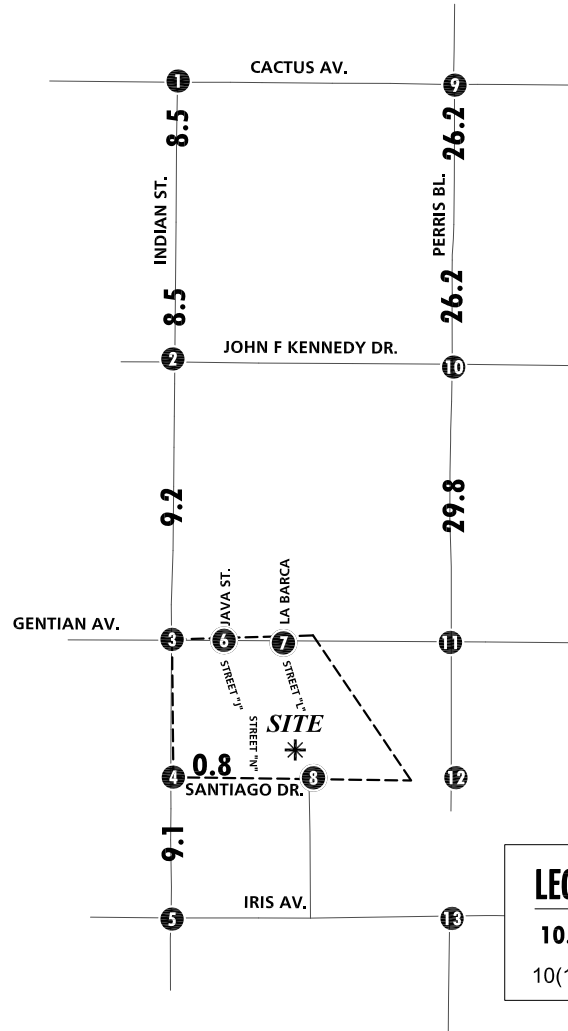
### 3.6 INTERSECTION OPERATIONS ANALYSIS

Existing peak hour traffic operations have been evaluated for the study area intersections based on the analysis methodologies presented in Section 2.2 *Intersection Capacity Analysis* of this report. The intersection operations analysis results are summarized in Table 3-1 which indicates that all of the study area intersections are currently operating at an acceptable LOS during the peak hours, with the exception of the following intersection:

- Perris Boulevard / Santiago Drive (#12)

Consistent with Table 3-1, a summary of the peak hour intersection LOS for Existing conditions are shown on Exhibit 3-9. The intersection operations analysis worksheets are included in Appendix 3.2 of this TIA.

EXHIBIT 3-8: EXISTING (2016) TRAFFIC VOLUMES



<b>1</b>	<b>Indian St. &amp; Cactus Av.</b>

<b>2</b>	<b>Indian St. &amp; John F. Kennedy Dr.</b>

<b>3</b>	<b>Indian St. &amp; Gentian Av.</b>

<b>4</b>	<b>Indian St. &amp; Santiago Dr.</b>

<b>5</b>	<b>Indian St. &amp; Iris Av.</b>

<b>6</b>	<b>Java St. /Street "J" &amp; Gentian Av.</b>
<p>Future Intersection</p>	

<b>7</b>	<b>La Barca / Street "L" &amp; Gentian Av.</b>
<p>Future Intersection</p>	

<b>8</b>	<b>Street "L" &amp; Santiago Dr.</b>
<p>Future Intersection</p>	

<b>9</b>	<b>Perris Bl. &amp; Cactus Av.</b>

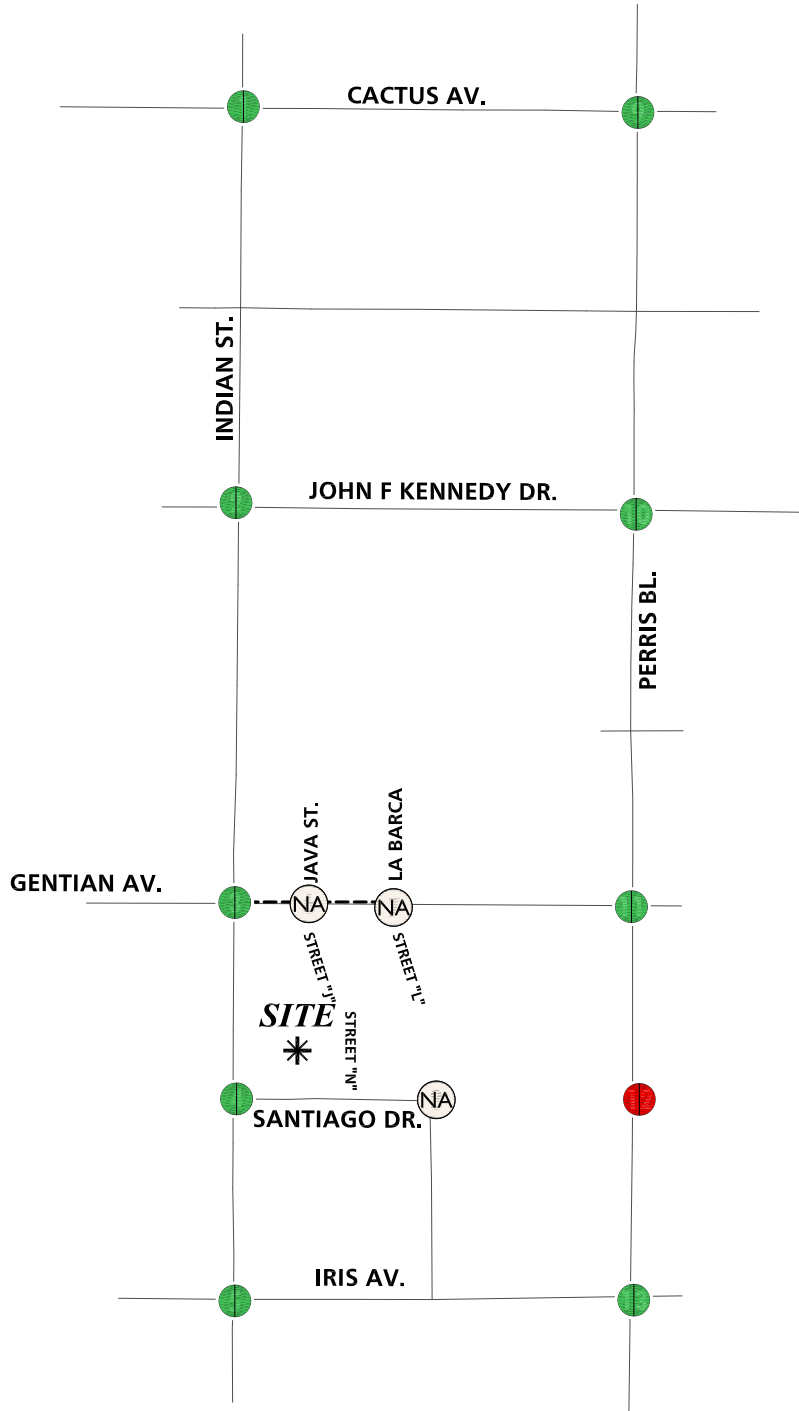
<b>10</b>	<b>Perris Bl. &amp; John F. Kennedy Dr.</b>

<b>11</b>	<b>Perris Bl. &amp; Gentian Av.</b>

<b>12</b>	<b>Perris Bl. &amp; Santiago Dr.</b>

<b>13</b>	<b>Perris Bl. &amp; Iris Av.</b>

EXHIBIT 3-9: EXISTING (2016) SUMMARY OF LOS



LEGEND:






-  = AM PEAK HOUR ACCEPTABLE LOS
-  = AM PEAK HOUR DEFICIENT LOS
-  = PM PEAK HOUR ACCEPTABLE LOS
-  = PM PEAK HOUR DEFICIENT LOS
-  = NOT AN ANALYSIS LOCATION FOR THIS SCENARIO



Table 3-1

Intersection Analysis for Existing (2016) Conditions

#	Intersection	Traffic Control <sup>3</sup>	Intersection Approach Lanes <sup>1</sup>												Delay <sup>2</sup> (secs.)		Level of Service	
			Northbound			Southbound			Eastbound			Westbound			AM	PM	AM	PM
			L	T	R	L	T	R	L	T	R	L	T	R				
1	Indian St / Cactus Av	TS	1	2	0	1	2	0	1	2	0	1	2	0	28.4	27.2	C	C
2	Indian St / John F. Kennedy Dr	TS	1	2	0	1	2	0	1	2	d	1	2	d	26.5	24.6	C	C
3	Indian St / Gentian Av	CSS	0	1	0	0	1	0	1	0	1	0	0	0	20.0	15.1	C	C
4	Indian St / Santiago Dr	TS	0	1	1>	1	2	0	0	0	0	1	0	1>	14.7	2.6	B	A
5	Indian St / Iris Av	TS	1	2	0	1	2	0	2	2	1	2	2	0	44.8	30.6	D	C
6	Street J / Gentian Av		Future Intersection															
7	Street L / Gentian Av		Future Intersection															
8	Street L / Santiago Dr		Future Intersection															
9	Perris Bl / Cactus Av	TS	1	3	0	1	3	0	1	2	0	1	2	0	25.2	33.6	C	C
10	Perris Bl / John F. Kennedy Dr	TS	1	3	0	1	3	0	1	2	d	1	2	d	40.9	44.7	D	D
11	Perris Bl / Gentian Av	TS	0	3	0	1	3	0	0	0	0	0	1	0	5.9	4.9	A	A
12	Perris Bl / Santiago Dr	CSS	1	3	0	1	3	0	0	1	d	0	1	d	<b>47.4</b>	<b>43.7</b>	<b>E</b>	<b>E</b>
13	Perris Bl / Iris Av	TS	1	3	1	1	3	0	1	2	0	1	2	0	44.5	36.2	D	D

<sup>1</sup> When a right turn is designated, the lane can either be striped or unstriped. To function as a right turn lane there must be sufficient width for right turning vehicles to travel outside the through lanes.

L = Left; T = Through; R = Right; > = Right-Turn Overlap Phasing; d= Defacto Right Turn Lane

<sup>2</sup> Per the 2010 Highway Capacity Manual, overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown.

<sup>3</sup> CSS = Cross-street Stop; TS = Traffic Signal

Attachment: Traffic Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

### 3.7 ROADWAY SEGMENT CAPACITY ANALYSIS

The City of Moreno Valley General Plan Circulation Element provides roadway volume capacity values presented previously on Table 2-3. The roadway segment capacities are approximate figures only and are used at the General Plan level to assist in determining the roadway functional classification (number of through lanes) needed to meet traffic demand. Table 3-2 provides a summary of the Existing (2016) conditions roadway segment capacity analysis based on the City of Moreno Valley and City of Perris General Plan Circulation Element Roadway Segment Capacity/ LOS Thresholds identified previously on Table 2-3. As shown on Table 3-2, all the study area roadway segments currently operate at an acceptable LOS based on the City's planning level daily roadway capacity thresholds (i.e., LOS C or better).

### 3.8 TRAFFIC SIGNAL WARRANTS ANALYSIS

Traffic signal warrants for Existing traffic conditions are based on existing peak hour intersection turning volumes. The following study area intersection currently warrants a traffic signal for Existing traffic conditions:

- Perris Boulevard / Santiago Drive (#12)

Existing conditions traffic signal warrant analysis worksheets are provided in Appendix 3.3.

### 3.9 RECOMMENDED IMPROVEMENTS

#### 3.9.1 RECOMMENDED IMPROVEMENTS TO ADDRESS DEFICIENCIES AT INTERSECTIONS

Improvement strategies have been recommended at intersections that have been identified as deficient to reduce each location's peak hour delay and improve the associated LOS grade to an acceptable LOS (LOS D or better). The effectiveness of the proposed recommended improvements is presented in Table 3-3 for Existing traffic conditions. Recommended improvements to address deficiencies for Existing traffic conditions are described below and analysis worksheets are provided in Appendix 3.4.

#### ***Recommended Improvement –Perris Boulevard / Santiago Drive (#12)***

- Install a traffic signal.

#### 3.9.2 RECOMMENDED IMPROVEMENTS TO ADDRESS DEFICIENCIES ON ROADWAY SEGMENTS

All study area roadway segments are anticipated to operate at acceptable LOS (LOS C or better) for Existing (2016) traffic conditions. As such, no roadway improvements have been recommended.

Table 3-2

## Roadway Segment Capacity Analysis for Existing (2016) Conditions

#	Roadway	Segment Limits	Roadway Section	LOS Capacity <sup>1</sup>	Existing (2016)	V/C	LOS	Acceptable LOS
1	Indian Street	Cactus Avenue to John F. Kennedy Dr.	4D	37,500	8,525	0.23	A	C
2		John F. Kennedy Dr. to Gentian Av.	4D	37,500	9,215	0.25	A	C
3		Santiago Dr. to Iris Av.	2U	12,500	9,105	0.73	C	D
4	Gentian Avenue	Indian St. to Street J/Java St.	--	--	N/A	N/A	N/A	C
5		Street J/Java St. to Street L/La Barca	--	--	N/A	N/A	N/A	C
6		West of Perris Bl.	--	--	N/A	N/A	N/A	C
7	Santiago Drive	East of Indian St.	2U	12,500	842	0.07	A	C
8		West of Perris Bl.	2U	12,500	13	0.00	A	C
9	Perris Boulevard	Cactus Avenue and John F. Kennedy Dr.	6D	56,300	26,172	0.46	A	D
10		John F. Kennedy Dr. to Gentian Av.	6D	56,300	29,801	0.53	A	D

**BOLD** = LOS does not meet the applicable jurisdictional requirements (i.e., unacceptable LOS).

N/A = Not Applicable; Segment does not exist.

<sup>1</sup> These maximum roadway capacities have been extracted from the City of Moreno Valley's Transportation Division's Traffic Impact Analysis Transportation Division's Traffic Impact Analysis Preparation Guidelines (August 2007). These roadway capacities are "rule of thumb" estimates for planning purposes. The LOS E service volumes are estimated maximum daily capacity for respective classifications. Capacity is affected by such factors as intersections (spacing, configuration and control features), degree of access control, roadway grades, design geometrics (horizontal and vertical alignment standards), sight distance, vehicle mix (truck and bus traffic) and pedestrian and bicycle traffic.



Table 3-3

Intersection Analysis for Existing (2016) Conditions With Improvements

#	Intersection	Traffic Control <sup>3</sup>	Intersection Approach Lanes <sup>1</sup>												Delay <sup>2</sup> (secs.)		Level of Service			
			Northbound			Southbound			Eastbound			Westbound			AM	PM	AM	PM		
			L	T	R	L	T	R	L	T	R	L	T	R						
12	Perris Bl / Santiago Dr																			
	- Without Improvements	CSS	1	3	0	1	3	0	0	1	d	0	1	d	47.4	43.7	E	E		
	- With Improvements	TS	1	3	0	1	3	0	0	1	d	0	1	d	9.1	8.3	A	A		

<sup>1</sup> When a right turn is designated, the lane can either be striped or unstriped. To function as a right turn lane there must be sufficient width for right turning vehicles to travel outside the through lanes

L = Left; T = Through; R = Right; > = Right-Turn Overlap Phasing; d= Defacto Right Turn Lane

<sup>2</sup> Per the 2010 Highway Capacity Manual, overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown.

<sup>3</sup> CSS = Cross-street Stop; TS = Traffic Signal

Attachment: Traffic Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

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Attachment: Traffic Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

## 4 PROJECTED FUTURE TRAFFIC

This section presents the traffic volumes estimated to be generated by the Project, as well as the Project's trip assignment, onto the study area roadway network. The Project is proposed to consist of a total of 221 single family detached residential dwelling units. Per the City's traffic study guidelines, the Opening Year will have a 5-year minimum horizon. As such, the Opening Year analysis will assess 2021 traffic conditions.

The Project is proposed to have access on Gentian Avenue via Street J and Street L and Santiago Drive via Street N and Street L. All driveways are assumed to allow full-access, with the exception of the intersections on Santiago Drive, which are both knuckles. Regional access to the project site is provided via the I-215 Freeway at Cactus Avenue interchange.

### 4.1 PROJECT TRIP GENERATION

Trip generation represents the amount of traffic which is both attracted to and produced by a development. Determining traffic generation for a specific project is therefore based upon forecasting the amount of traffic that is expected to be both attracted to and produced by the specific land uses being proposed for a given development. The trip generation rates used for this assessment are based upon information collected by the Institute of Transportation Engineers (ITE) as provided in their Trip Generation manual (9<sup>th</sup> Edition, 2012). The ITE Trip Generation manual is a nationally recognized source for estimating site specific trip generation.

#### 4.1.1 PROPOSED PROJECT: R5 RESIDENTIAL

The Single Family Residential land use (ITE Land Use Code 210) has been utilized for the purposes of this trip generation evaluation. The Project is proposing to develop the entire site (approximately 52.94 acres) per the R5 Residential General Plan Land Use designation, allowing up to 5 dwelling units per acre. Specifically, the Project is proposing 221 dwelling units, or approximately 4.2 dwelling units per acre. Trip generation rates and the daily and peak hour trip generation for proposed Project are also shown in Table 4-1. The proposed Project is anticipated to generate a net total of approximately 2,104 based trip-ends per day with 166 based AM peak hour trips and 221 based PM peak hour trips.

#### 4.1.2 CURRENTLY ADOPTED GENERAL PLAN: R5 AND R30 RESIDENTIAL

Table 4-2 summarizes the resulting trip generation estimates based on the Currently Adopted General Plan approved land use (R5 and R30 Residential). 37.88 acres of the site is currently designated with the R5 residential land use, however, the remaining 15.06 acres is designated with the R30 land use with an allowable density of 24 to 30 dwelling units per acre. Based on the currently adopted General Plan land use designations, the site currently allows for the development of up to 551 dwelling units. The currently adopted land use is anticipated to generate a net total of approximately 3,903 trip-ends per day with 301 AM peak hour trips and 377 PM peak hour trips.

Table 4-1

Proposed Project Trip Generation Summary

Land Use	Units <sup>2</sup>	ITE LU Code	AM Peak Hour			PM Peak Hour			Daily
			In	Out	Total	In	Out	Total	
<b>Trip Generation Rates<sup>1</sup></b>									
Single Family Detached Residential	DU	210	0.19	0.56	0.75	0.63	0.37	1.00	9.52

Land Use	Quantity	Units <sup>2</sup>	AM Peak Hour			PM Peak Hour			Daily
			In	Out	Total	In	Out	Total	
<b>Proposed Project Trip Generation Summary</b>									
Single Family Detached Residential	221	DU	42	124	166	139	82	221	2,104

<sup>1</sup> Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, Ninth Edition (2012).

<sup>2</sup> DU = Dwelling Units

Attachment: Traffic Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

Table 4-2

Currently Adopted General Plan Land Use Trip Generation Summary

Land Use	Units <sup>2</sup>	ITE LU Code	AM Peak Hour			PM Peak Hour			Daily
			In	Out	Total	In	Out	Total	
<b>Trip Generation Rates<sup>1</sup></b>									
Single Family Detached Residential	DU	210	0.19	0.56	0.75	0.63	0.37	1.00	9.52
Condo/Townhomes	DU	230	0.07	0.37	0.44	0.35	0.17	0.52	5.81

Land Use	Acres	Quantity	Units <sup>2</sup>	AM Peak Hour			PM Peak Hour			Daily
				In	Out	Total	In	Out	Total	
<b>Currently Adopted Trip Generation Summary</b>										
Single Family Detached Residential (R5) <sup>3</sup>	37.88	189	DU	36	106	142	119	70	189	1,803
Condo/Townhomes (R30) <sup>4</sup>	15.06	361	DU	25	134	159	127	61	188	2,100
<b>Total</b>	<b>52.94</b>	<b>551</b>	<b>DU</b>	<b>61</b>	<b>240</b>	<b>301</b>	<b>246</b>	<b>131</b>	<b>377</b>	<b>3,903</b>

<sup>1</sup> Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, Ninth Edition (2012).

<sup>2</sup> DU = Dwelling Units

<sup>3</sup> Allowable density: 5 dwelling units per acre.

<sup>4</sup> Allowable density: 24-30 dwelling units per acre.

Attachment: Traffic Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

### 4.1.3 TRIP GENERATION COMPARISON

As shown in Table 4-2, the development of the proposed Project is anticipated to generate 1,799 fewer trip-ends per day with 135 fewer AM peak hour trips and 156 fewer PM peak hour trips as compared to the currently adopted General Plan land uses. As such, evaluation of long-range traffic conditions was determined to be unnecessary as the proposed General Plan Amendment is anticipated to reduce the trips generated by the site. E+P and Opening Year Cumulative traffic conditions have been evaluated as part of this TIA in an effort to identify the near-term Project impacts, however, long-range traffic impacts are anticipated to be consistent with or less than those identified by the City's General Plan.

## 4.2 PROJECT TRIP DISTRIBUTION

Trip distribution is the process of identifying the probable destinations, directions, or traffic routes that will be utilized by Project traffic. The potential interaction between the planned land uses and surrounding regional access routes are considered to identify the route where the Project traffic would distribute.

The Project trip distribution was developed based on anticipated travel patterns to and from the Project site for both passenger cars and truck traffic. The truck trip distribution patterns have been developed based on the anticipated travel patterns for the high-cube warehousing trucks. The Project trip distribution patterns for both passenger cars and trucks were developed based on an understanding of existing travel patterns in the area, the geographical location of the site, and the site's proximity to the regional arterial and state highway system.

The trip distributions utilized for the purposes of this analysis are shown on Exhibit 4-1 and Exhibit 4-2. E+P conditions will assume Gentian Avenue to connect to the west at Indian Street only (see Exhibit 4-1). The trip distribution patterns assume that Gentian Avenue will be in place from the Project boundary east to Perris Boulevard for Opening Year Cumulative conditions only (see Exhibit 4-2). It is our understanding that the Project would have access to Indian Street via Santiago Drive and also Perris Boulevard via Santiago Drive. As such, this connection is assumed for both E+P and Opening Year Cumulative traffic conditions.

## 4.3 MODAL SPLIT

The traffic reducing potential of public transit, walking, or bicycling have not been considered in this TIA. Essentially, the traffic projections are "conservative" in that these alternative travel modes might be able to reduce the forecasted traffic volumes.

## 4.4 PROJECT TRIP ASSIGNMENT

The assignment of traffic from the Project area to the adjoining roadway system is based upon the Project trip generation, trip distribution, and the arterial highway and local street system improvements that would be in place by the time of initial occupancy of the Project. Based on the identified Project traffic generation and trip distribution patterns, Project ADT and peak hour intersection turning movement volumes are shown on Exhibit 4-3 for E+P and Exhibit 4-4 for Opening Year Cumulative traffic conditions.



Table 4-3

Trip Generation Comparison

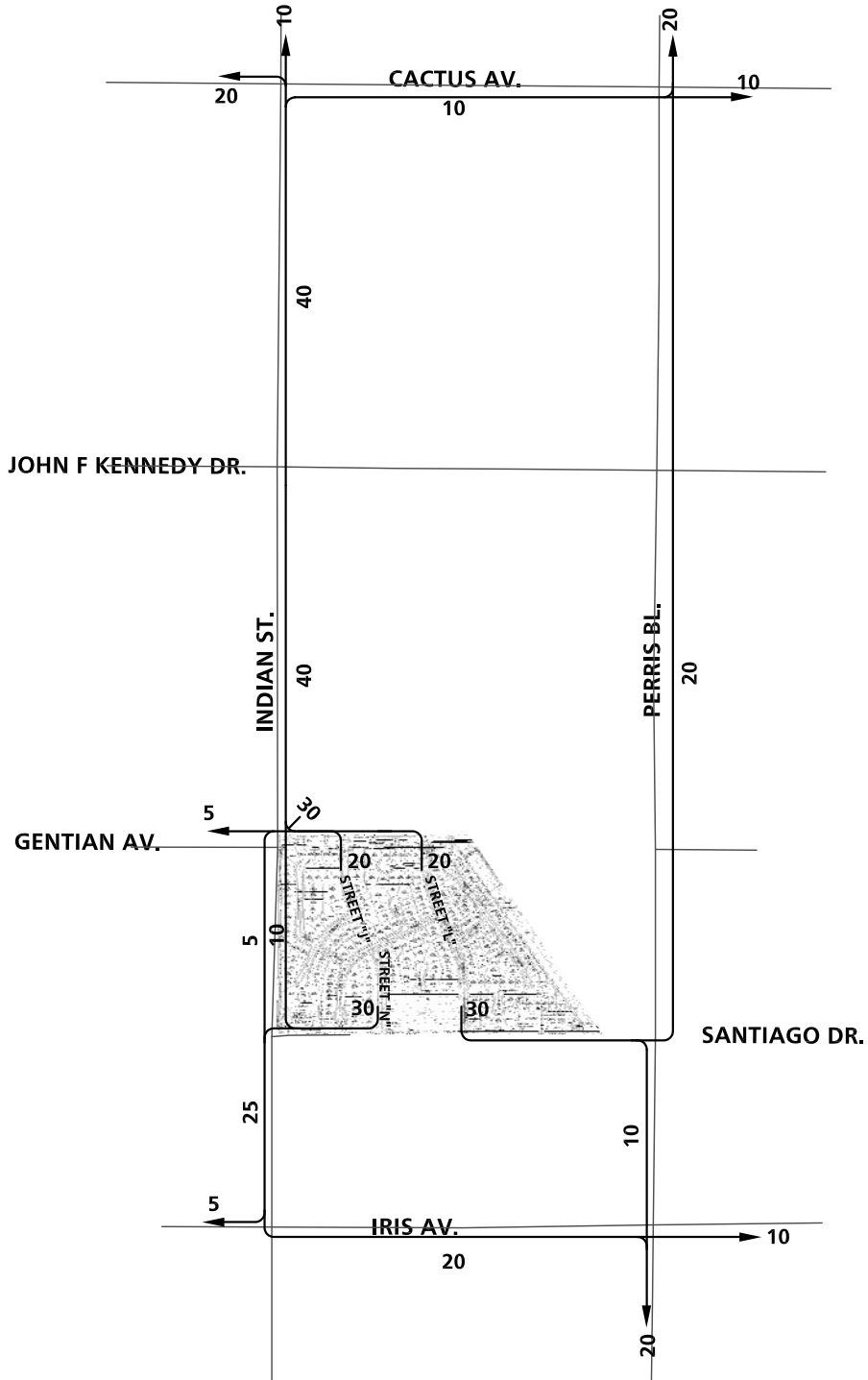
Land Use	Acres	Quantity	Units <sup>2</sup>	AM Peak Hour			PM Peak Hour			Daily
				In	Out	Total	In	Out	Total	
Proposed Project	52.94	221	DU	42	124	166	139	82	221	2,104
Currently Adopted	52.94	265	DU	61	240	301	246	131	377	3,903
<b>Variance (Proposed - Currently Adopted)</b>				<b>-19</b>	<b>-116</b>	<b>-135</b>	<b>-107</b>	<b>-49</b>	<b>-156</b>	<b>-1,799</b>

<sup>1</sup> Trip Generation Source: Institute of Transportation Engineers (ITE), Trip Generation Manual, Ninth Edition (2012).

<sup>2</sup> DU = Dwelling Units

Attachment: Traffic Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

### EXHIBIT 4-1: PROJECT (E+P) TRIP DISTRIBUTION



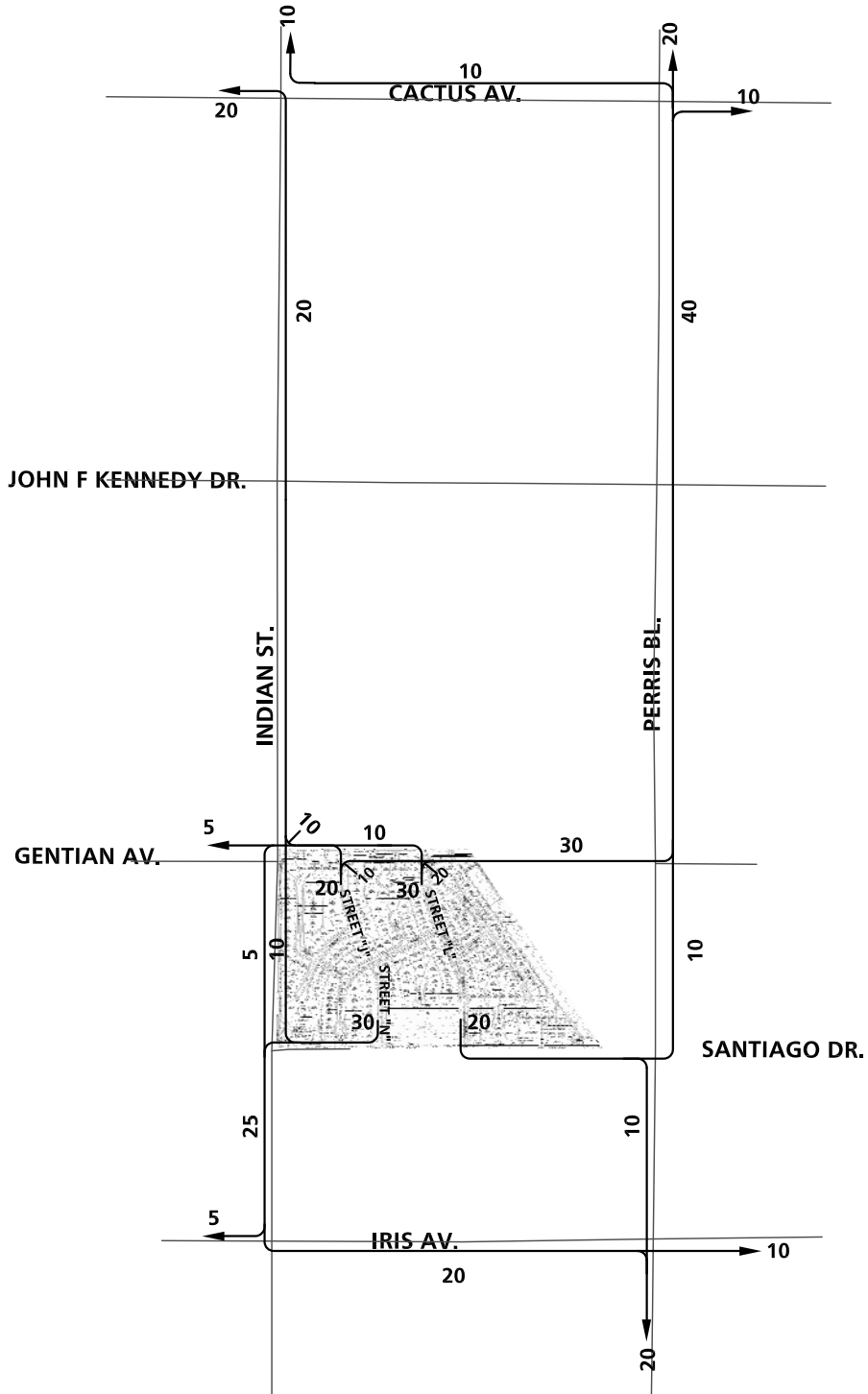
#### LEGEND:

10 = PERCENT TO/FROM PROJECT

NOTE: PROJECT DISTRIBUTION ASSUMES SANTIAGO DRIVE IS IN PLACE BETWEEN THE PROJECT AND PERRIS BOULEVARD.



**EXHIBIT 4-2: PROJECT (OPENING YEAR CUMULATIVE) TRIP DISTRIBUTION**



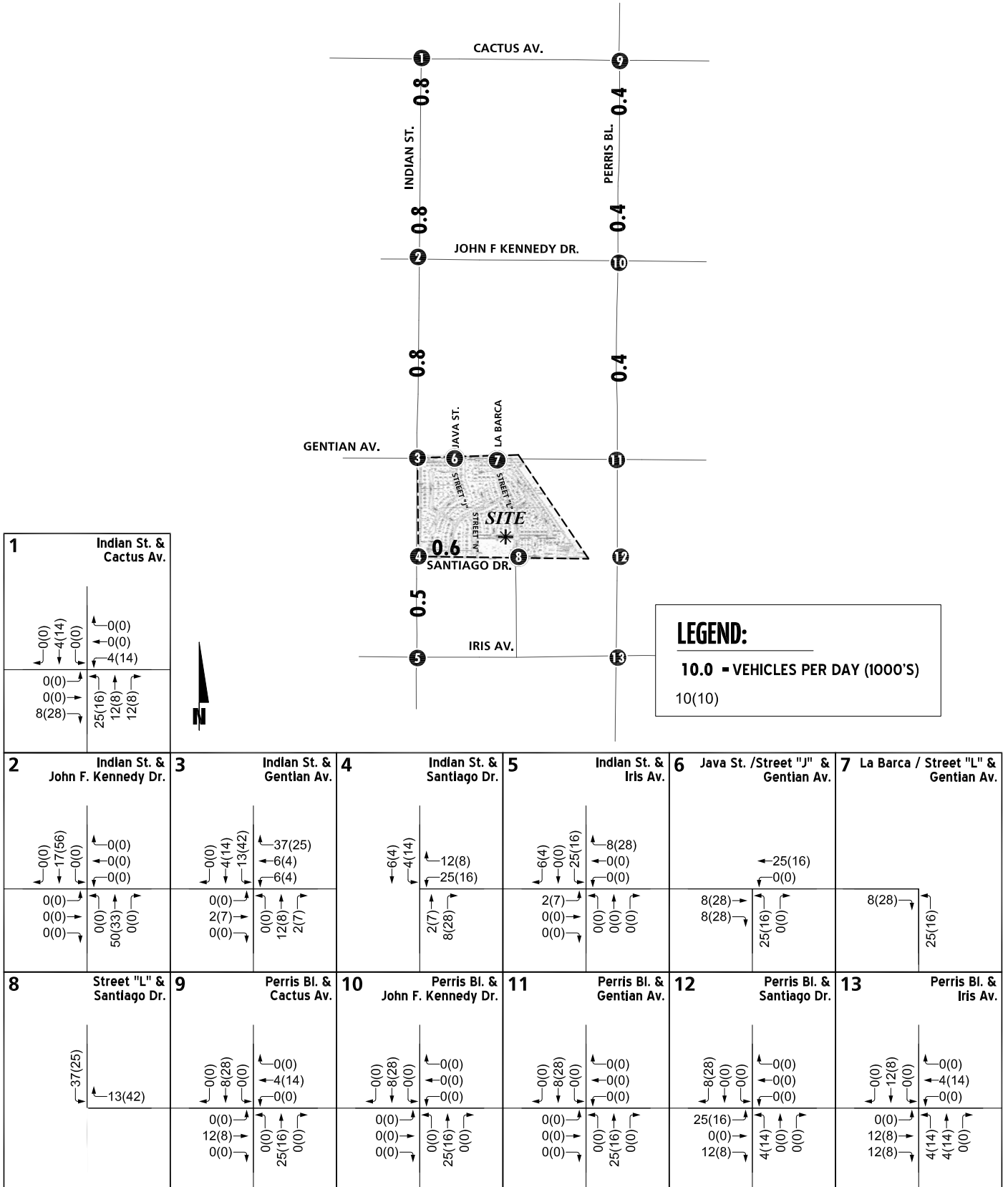
**LEGEND:**

10 = PERCENT TO/FROM PROJECT

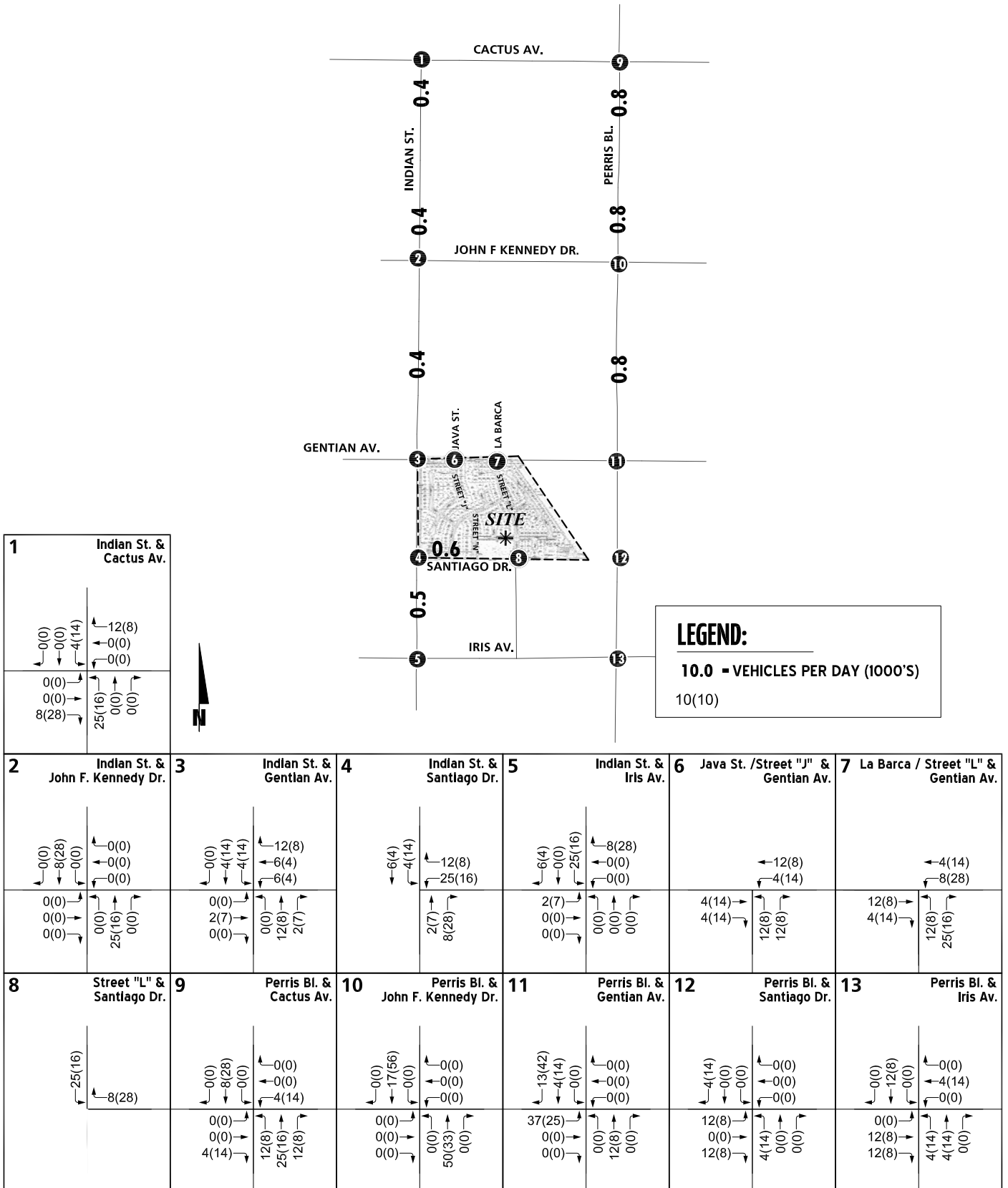
NOTE: PROJECT DISTRIBUTION ASSUMES GENTIAN AVENUE AND SANTIAGO DRIVE ARE IN PLACE BETWEEN THE PROJECT AND PERRIS BOULEVARD.



EXHIBIT 4-3: PROJECT ONLY (E+P) TRAFFIC VOLUMES



**EXHIBIT 4-4: PROJECT ONLY (OPENING YEAR CUMULATIVE) TRAFFIC VOLUMES**



#### 4.5 BACKGROUND TRAFFIC

To account for growth in traffic between Existing Conditions (2016) and the Project Opening Year (2021), a compounded annual traffic growth rate of 2 percent was assumed (10.41 percent aggregate growth in background traffic for the period 2016—2021). The 2 percent annual growth rate is intended to capture non-specific ambient traffic growth.

In context, the TIA's assumed 2 percent compounded annual growth rate is considered a reasonable approximation of future traffic growth when compared to demographic projections reflected in other local and regional growth modeling efforts. More specifically, the Southern California Association of Governments (SCAG) 2016—2040 Regional Transportation Plan/Sustainable Communities Strategy (RTP/SCS) growth forecasts for the City of Moreno Valley assume the City population to increase from 197,600 in 2012 to 256,600 by the year 2040, or an approximate 0.94 percent growth rate compounded annually. The RTP/SCS assumed growth in households over the same 28-year period reflects an increase from 51,800 households to 73,000 households; a rate of 1.23 percent compounded annually. At the upper end of assumed RTP/SCS growth rates, employment over the same 28-year period is projected to increase from 31,400 jobs to 83,200 jobs; a rate of approximately 3.54 percent compounded annually. (3) The 2 percent compounded annual traffic growth rate employed in the TIA reflects the fact that not all persons comprising population growth, household growth, or employment growth would translate on a one to one basis as a new vehicle trip in the region; and establishes a judicious midrange estimate lying between the RTP/SCS assumed regional population growth rate (0.94 percent) and the RTP/SCS assumed regional employment growth rate (3.54 percent).

Conservatively, the TIA estimates of area traffic growth then add traffic generated by other known or probable related projects. These related projects are at least in part already accounted for in the assumed annual 2 percent ambient growth in traffic noted above; and in some instances these related projects would likely not be implemented and functional within the 2021 Opening Year time frame assumed for the Project. The resultant assumed traffic growth rate employed in the TIA (2 percent annual ambient growth plus traffic generated by related projects) would therefore tend to overstate rather than understate background cumulative traffic impacts under 2021 conditions.

#### 4.6 CUMULATIVE DEVELOPMENT TRAFFIC

The California Environmental Quality Act (CEQA) guidelines require that other reasonably foreseeable development projects which are either approved or being processed concurrently in the study area also be included as part of a cumulative analysis scenario. A cumulative project list was developed for the purposes of this analysis through consultation with planning and engineering staff from the City of Moreno Valley. The cumulative project list includes known and foreseeable projects that are anticipated to contribute traffic to the study area intersections. The cumulative projects provided by each of the applicable surrounding agencies are provided in Appendix 4.1.



Where applicable, cumulative projects anticipated to contribute measurable traffic (i.e. 50 or more peak hour trips) to study area intersections have been manually added to the study area network to generate Opening Year Cumulative forecasts. In other words, this list of cumulative development projects has been reviewed to determine which projects would likely contribute measurable traffic through the study area intersections (e.g., those cumulative projects in close proximity to the proposed Project). For the purposes of this analysis, the cumulative projects that were determined to affect one or more of the study area intersections are shown on Exhibit 4-5, listed on Table 4-4, and have been considered for inclusion.

Although it is unlikely that these cumulative projects would be fully built and occupied by Year 2021, they have been included in an effort to conduct a conservative analysis and overstate as opposed to understate potential traffic impacts.

Any other cumulative projects that are not expected to contribute measurable traffic to study area intersections have not been included since the traffic would dissipate due to the distance from the Project site and study area intersections. Any additional traffic generated by other projects not on the cumulative projects list is accounted for through background ambient growth factors that have been applied to the peak hour volumes at study area intersections as discussed in Section 4.5 *Background Traffic*. Cumulative development project ADT and peak hour intersection turning movement volumes are shown on Exhibit 4-5.

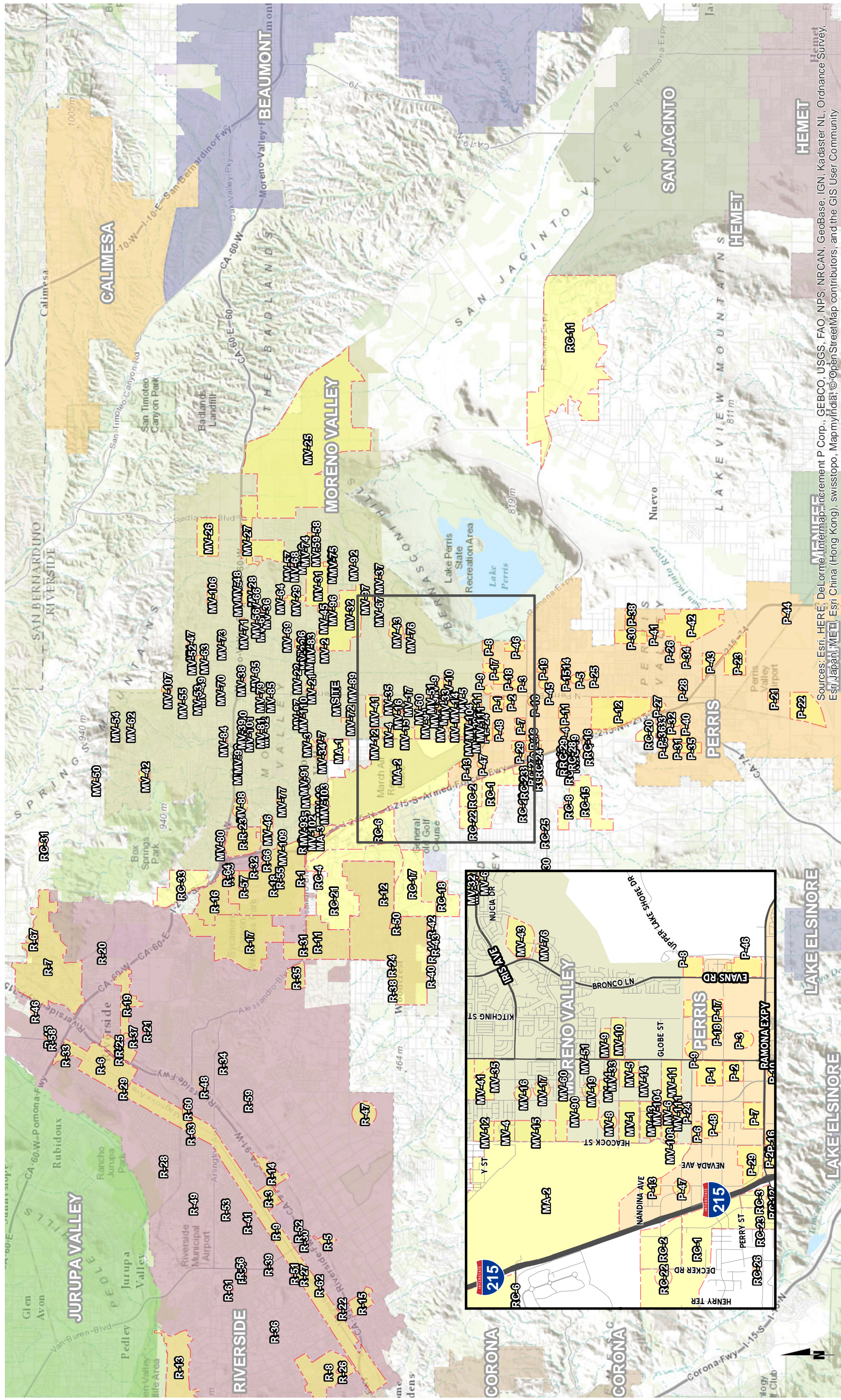
#### 4.7 NEAR-TERM TRAFFIC FORECASTS

To provide a comprehensive assessment of potential transportation network deficiencies, the “buildup” analysis was performed in support of this work effort. The “buildup” method was used to approximate the Opening Year Cumulative traffic forecasts, and is intended to identify the cumulative impacts on both the existing and planned near-term circulation system. The Opening Year Cumulative traffic forecasts include background traffic, traffic generated by other cumulative development projects within the study area, and the traffic generated by the proposed Project.

The “buildup” approach combines existing traffic counts with a background ambient growth factor to forecast the near-term 2020 traffic conditions. An ambient growth factor of 10.41% (2021) accounts for background (area-wide) traffic increases that occur over time, up to the year 2021 from the year 2016 (compounded two percent per year growth over a 5-year period). Traffic volumes generated by the Project are then added to assess the Opening Year Cumulative traffic conditions. The 2021 roadway network is similar to the existing conditions roadway network with the exception of future roadways and intersections proposed to be developed by the Project.



EXHIBIT 4-5: CUMULATIVE DEVELOPMENT PROJECTS LOCATION MAP



Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, ©OpenStreetMap contributors, and the GIS User Community



EXHIBIT 4-6: CUMULATIVE DEVELOPMENT ONLY TRAFFIC VOLUMES

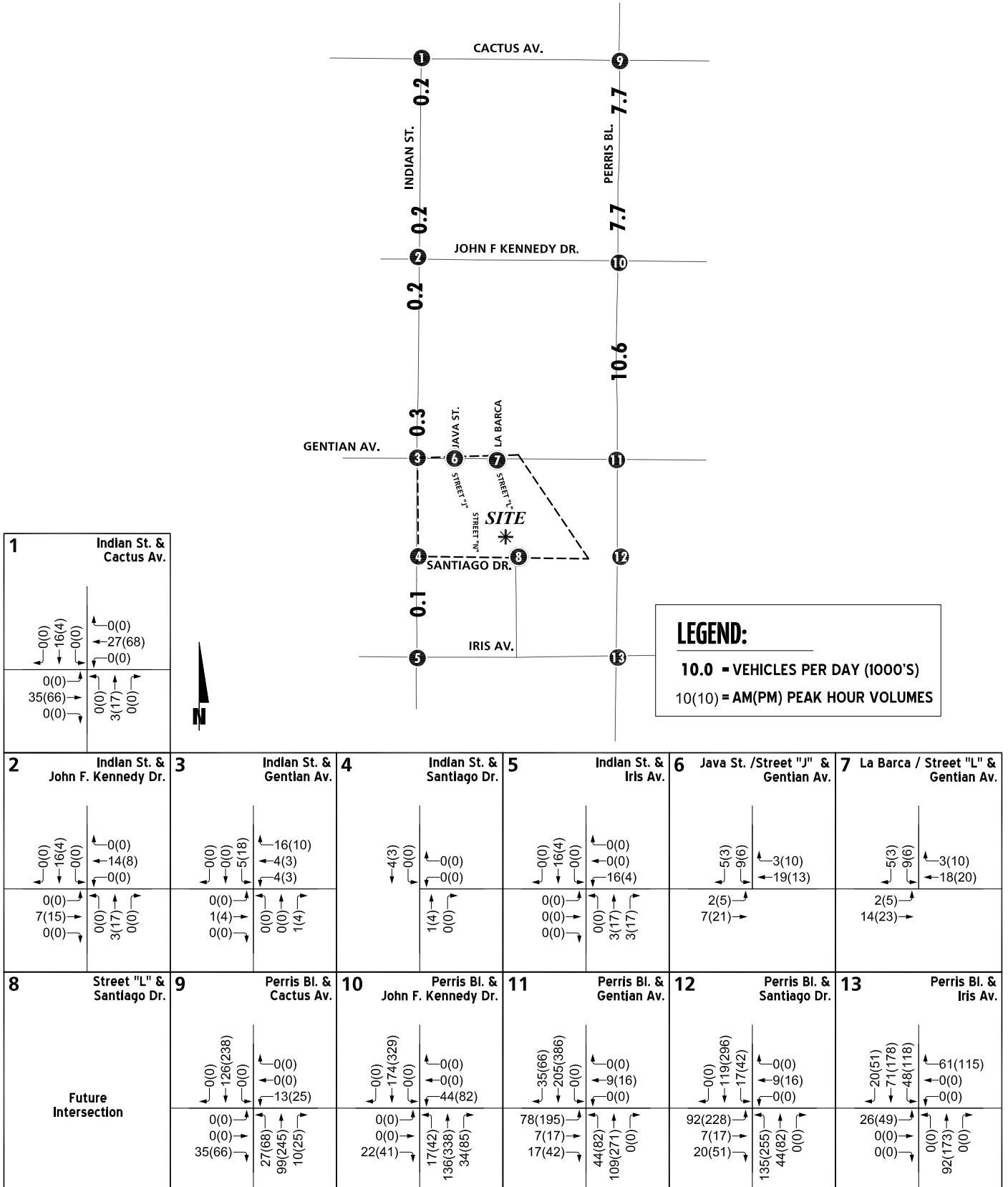


Table 4-4

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## Cumulative Development Land Use Summary

TAZ	Project Name	Land Use <sup>1</sup>	Quantity	Units <sup>2</sup>
<b>CITY OF MORENO VALLEY</b>				
MV-1	PA 06-0152 & PA 06-0153 (First Park Nandina I & II)	High-Cube Warehouse	483.767	TSF
MV-2	Bella Vista Apartments	Apartments	220.00	DU
MV-3	PA 04-0063 (Centerpointe Buildings 8 and 9)	General Light Industrial	361.384	TSF
MV-4	PA 07-0035; PA 07-0039 (Moreno Valley Industrial Park)	General Light Industrial	204.657	TSF
		High-Cube Warehouse	409.920	TSF
MV-5	First Inland Logistics Center	High-Cube Warehouse	400.130	TSF
MV-6	Indian Street Commerce Center Project	High-Cube Warehouse	436.350	TSF
MV-7	PA 08-0093 (Centerpointe Business Park II)	General Light Industrial	99.988	TSF
MV-8	PA 06-0021; PA 06-0022; PA 06-0048; PA 06-0049 (Komar Investments)	Warehousing	287.100	TSF
MV-9	PA 06-0017 (Ivan Devries)	Industrial Park	569.200	TSF
MV-10	Modular Logistics (Dorado Property)	High-Cube Warehouse	1109.378	TSF
MV-11	PA 09-0004 (Vogel)	High-Cube Warehouse	800.000	TSF
		Sares Regis	High-Cube Warehouse	1600.000
MV-12	TM 34748	SFDR	135	DU
MV-13	First Nandina Logistics Center	High-Cube Warehouse	1450.000	TSF
MV-14	First Park Nandina III Moreno Valley Commerce Park	High-Cube Warehouse	691.960	TSF
		High-Cube Warehouse	354.321	TSF
MV-15	March Business Center	General Light Industrial	16.732	TSF
		Warehousing	87.429	TSF
		High-Cube Warehouse	1380.246	TSF
MV-16	TM 33810	SFDR	16	DU
MV-17	TM 34151	SFDR	37	DU
MV-18	373K Industrial Facility	High-Cube Warehouse	373.030	TSF
MV-19	TM 32716	SFDR	57	DU
MV-20	TM 33417	Condo/Townhomes	60	DU
MV-21	TM 34988	Condo/Townhomes	271	DU
MV-22	TM 34216	Condo/Townhomes	39	DU
MV-23	TM 34681	Condo/Townhomes	49	DU
MV-24	PA 08-0079-0081 (WinCo Foods)	Discount Supermarket	95.440	TSF
		Specialty Retail	14.800	TSF
MV-25	Moreno Beach Marketplace (Lowe's)	Commercial Retail	175.000	TSF
	Auto Mall Specific Plan (Planning Area C)	Commercial Retail	304.500	TSF
	Westridge	High-Cube Warehouse	937.260	TSF
	ProLogis	High-Cube Warehouse	1916.190	TSF
		Warehousing	328.448	TSF
	World Logistics Center	High-Cube Warehouse	41400.000	TSF
		Warehousing	200.000	TSF
		Gas Station w/ Market	12	VFP
	Existing SFDR	7	DU	
MV-26	a TR 32460 (Sussex Capital)	SFDR	57	DU
	b TR 32459 (Sussex Capital)	SFDR	11	DU
	c TR 30411 (Pacific Communities)	SFDR	24	DU
	d TR 33962 (Pacific Scene Homes)	SFDR	31	DU
	e TR 30998 (Pacific Communities)	SFDR	47	DU
MV-27	a P06-158 (Gascon)	Commercial Retail	116.360	TSF
	b Auto Mall Specific Plan (PAC)	Commercial Retail	304.500	TSF
	c ProLogis	SFDR	126	DU
		High-Cube Warehouse	1529.498	TSF
MV-28	TR 36340	SFDR	261	DU
		Apartments	216	DU
MV-29	a TR 31771 (Sanchez)	SFDR	25	DU
	b TR 34397 (Winchester Associates)	SFDR	52	DU
	c TR 32645 (Winchester Associates)	SFDR	53	DU
MV-30	Lowe's (Moreno Beach Marketplace)	Home Improvement Store	175.000	TSF
MV-31	a Senior Assisted Living	Assisted Living Units	139	DU
	b TR 31590 (Winchester Associates)	SFDR	96	DU
	c TR 32548 (Gabel, Cook & Associates)	SFDR	107	DU
	d TR 32218 (Whitney)	SFDR	63	DU
	e Medical Plaza	Medical Offices	311.633	TSF
MV-32	a Moreno Medical Campus	Medical Offices	80.000	TSF
	b Aqua Bella Specific Plan	SFDR	2,922	DU
	c TR 34329 (Granite Capitol)	SFDR	90	DU
	d Cresta Bella	General Office	30.000	TSF

Attachment: Traffic Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

Table 4-4

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## Cumulative Development Land Use Summary

TAZ	Project Name	Land Use <sup>1</sup>	Quantity	Units <sup>2</sup>
MV-33	Moreno Valley Industrial Center (Industrial Area SP)	General Light Industrial	354.810	TSF
MV-34	Centerpointe Business Park	General Light Industrial	356.000	TSF
MV-35	Moreno Valley Shopping Center	Free Standing Discount Store	189.520	TSF
		Gas Station w/ Market / Car Wash	16	VFP
MV-36	TR 31305 / Richmond American	Residential	87	DU
MV-37	TR 34329 / Granite Capitol	Residential	90	DU
MV-38	TR 31814 / Moreno Valley Investors	Residential	60	DU
MV-39	TR 33771 / Creative Design Associates	Residential	12	DU
MV-40	TR 35663 / Kha	Residential	12	DU
MV-41	TR 22180 / Young Homes	Residential	140	DU
MV-42	TR 32515	Residential	161	DU
MV-43	TR 32142	Residential	81	DU
MV-44	San Michele Industrial Center (Industrial Area SP)	General Light Industrial	865.960	TSF
MV-45	Commercial Medical Plaza	Medical Offices	311.633	TSF
MV-46	Edgemont Street, South of Eucalyptus Av. (PA14-0042)	Apartments	112	DU
MV-47	28860 Professor's Fun IV, LLC/Winchester Associates, Inc.	SFDR	9	DU
MV-48	20636 Pacific Communities	SFDR	67	DU
MV-49	31297 Randy McFarland	SFDR	7	DU
MV-50	31394 Pigeon Pass, Ltd.	SFDR	78	DU
MV-51	31442 SKG Pacific Enterprises Inc.	SFDR	63	DU
MV-52	31517 Professors Prop Six/Winchester Assoc.	SFDR	83	DU
MV-53	31621 Peter Sanchez	SFDR	25	DU
MV-54	32005 Red Hill Village, LLC	SFDR	214	DU
MV-55	32126 Salvador Torres	SFDR	35	DU
MV-56	32194 Arman Pezeshkifar	SFDR	32	DU
MV-57	32408 Sanstone Inc.	SFDR	80	DU
MV-58	32844 Winchester Associates	SFDR	17	DU
MV-59	32978 Focus Estates	SFDR	19	DU
MV-60	33024 Adam Wislar	SFDR	8	DU
MV-61	33275 Jose Guzman	SFDR	4	DU
MV-62	33388 SCH Development, LLC	SFDR	16	DU
MV-63	33436 Winchester Associates	SFDR	105	DU
MV-64	33963 Rance Garrett	SFDR	31	DU
MV-65	34043 RM3 Building and Development	SFDR	12	DU
MV-66	31621 Beazer Homes	SFDR	274	DU
MV-67	30268 Pacific Communities	SFDR	83	DU
MV-68	31414 GRF - Majestic Hills	SFDR	31	DU
	Tract 31618	SFDR	55	DU
MV-69	31494 Winchester Associates	SFDR	12	DU
MV-70	32715 GFR - Trinity	SFDR	30	DU
MV-71	33256 Granite Homes	SFDR	79	DU
MV-72	32711 Isaac Genah	SFDR	9	DU
MV-73	35530 Moreno Gilman 650, LLC-Quail Ranch	SFDR	1,105	DU
MV-74	35534 Leedco Engineers	SFDR	12	DU
MV-75	36436 CV Communities	SFDR	159	DU
MV-76	36401 Continental East Fund III, LLC	SFDR	92	DU
MV-77	32215 Winchester Associates "Scottish Village"	MFDR	194	DU
MV-78	32756 Jimmy Lee	MFDR	24	DU
MV-79	35369 Tason Myers Property	MFDR	12	DU
MV-80	35414 Lincoln Property Co. Southwest	MFDR	266	DU
MV-81	35769 Michael Chen	MFDR	16	DU
MV-82	PA09-0006 Jim Nydam	MFDR	15	DU
MV-83	35861 Frederick Homes	MFDR	24	DU
MV-84	36038 Alessandro Village Plaza, LLC	MFDR	96	DU
MV-85	35304 Jimmy Lee	MFDR	12	DU
MV-86	Alessandro & Lasselle	Shopping Center	140.000	TSF
MV-87	Food 4 Less - Fueling Station	Gas Station with Convenience Market	16	VFP
MV-88	El Paso (food court)	Fast Food no Drive Thru	--	TSF
MV-89	O'Reilly Automotive	Automobile Parts Sale	7.500	TSF
	PA15-004	Retail/Restaurant/Fast Food	2.973	TSF
MV-90	Moreno Valley Logistics	High-Cube Warehouse	1351.770	TSF
		Light Industrial	385.748	TSF
MV-91	Restaurant	Restaurant	9.000	TSF
MV-92	Rancho Belago Plaza - Retail	Retail	14.000	TSF
MV-93	Yum Yum Donut Shop	Coffee/Donut Shop w/o Drive-Thru	4.351	TSF

Attachment: Traffic Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

**Table 4-4**  
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**Cumulative Development Land Use Summary**

TAZ	Project Name	Land Use <sup>1</sup>	Quantity	Units <sup>2</sup>
MV-94	Hawthorn Inn & Suites	Hotel	79	RMS
MV-95	Sleep Inn Suites	Hotel	66	RMS
MV-96	Integrated Care Communities	Nursing Home	44.000	TSF
MV-97	Kaiser Permanente - Emergency Room Expansion	Medical Offices	--	TSF
MV-98	Moreno Valley Professional Center	General Office	84.000	TSF
MV-99	Olivewood Plaza - Office Building	General Office	23.000	TSF
MV-100	Renaissance Village of Moreno Valley	Senior Adult Housing-Attached	44	DU
MV-101	Riverside County Office Building	General Office	52.000	TSF
MV-102	Gateway Business Park	Residential Condo/Townhouse	34	DU
MV-103	Shaw Development	High-Cube Warehouse	367.000	TSF
MV-104	IDS/Real Estate Group - Nandina Distribution Center	High-Cube Warehouse	697.000	TSF
MV-105	Stoneridge Town Centre - Vacant Restaurant	Restaurant	5700.000	TSF
MV-106	Ironwood Residential	SFDR	144	DU
MV-107	TTM 31592 (P 13-078) Covey Ranch	SFDR	115	DU
MV-108	PA 06-0014 (Pierce Hardy Limited Partnership)	Lumbar Yard	67.000	TSF
MV-109	P06-1408	Retail	75.300	TSF
MV-110	PA13-009	Gas Station	16	VFP
MV-111	Moval Assemblage	High-Cube Warehouse	459.945	TSF
<b>MARCH JOINT POWERS AUTHORITY</b>				
MA-1	March Lifecare Campus Specific Plan <sup>4</sup>	Medical Offices	190.000	TSF
		Commercial Retail	210.000	TSF
		Research & Education	200.000	TSF
		Hospital	50	Beds
		Institutional Residential	660	Beds
MA-2	Airport Master Plan	Airport Use	559.000	TSF
MA-3	Freeway Business Center (March JPA)	High-Cube Warehouse	710.083	TSF
<b>COUNTY OF RIVERSIDE</b>				
RC-1	SP 341; PP 21552 (Majestic Freeway Business Center)	High-Cube Warehouse	6100.715	TSF
RC-2	PP 20699 (Oleander Business Park)	Warehousing	1206.710	TSF
RC-3	Ramona Metrolink Station	Light Rail Transit Station	300	SP
RC-4	PP 22925 (Amstar/Kaliber Development)	Office (258.102 TSF)	258.102	TSF
		Warehousing	409.312	TSF
		General Light Industrial	42.222	TSF
		Retail	10.000	TSF
RC-5	Alessandro Metrolink Station	Light Rail Transit Station	300	SP
RC-6	Meridian Business Park North	Industrial Park	5985.000	TSF
RC-7	PP 18908	General Light Industrial	133.000	TSF
RC-8	Tract 33869	SFDR	39.000	DU
RC-9	PP 16976	General Light Industrial	85.000	TSF
RC-10	PP 21144	Industrial Park	190.802	TSF
RC-11	a Villages of Lakeview	SFDR	860	DU
		Condo/Townhomes	1,920	DU
		Elementary School	1,200	STU
		Commercial Retail	100.000	TSF
		Soccer Complex	12	Fields
		City Park	8.9	AC
		County Park	8.1	AC
	Regional Park	107.1	AC	
	b Motte Lakeview Ranch	SFDR	847	DU
		Condo/Townhomes	686	DU
		Apartments	467	DU
		Elementary School	650	STU
		Middle School	300	STU
		Commercial Retail	120.000	TSF
Regional Park		177.0	AC	
RC-12	CUP03315	Gas Station w/ Market	17	VFP
		Fast Food w/o Drive Thru	5.600	TSF
		High-Turnover Restaurant	6.500	TSF
RC-13	PP23342	Industrial Park	180.600	TSF
RC-14	TR30592	SFDR	131	DU
RC-15	Rider Street Quarry	Quarry	2500.0	AC
RC-16	PP 20711	Manufacturing	20.0	AC
	Yocum Baldwin	Warehousing	46.8	AC

Attachment: Traffic Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL



**Table 4-4**  
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**Cumulative Development Land Use Summary**

TAZ	Project Name	Land Use <sup>1</sup>	Quantity	Units <sup>2</sup>
RC-17	March Business Center - South Campus	Shopping Center	108.900	TSF
		Industrial Park	1336.700	TSF
		Large Industrial Park	3269.000	TSF
		General Office Building	140.600	TSF
		Manufacturing	215.600	TSF
		Warehousing	1379.200	TSF
		Park	50.0	AC
RC-18	Ben Clark Training Facility	R&D	1611.800	TSF
		Students	5,045	STU
RC-19	PP 20103	Employees	354	EMP
		Gen. Light Industrial	290.985	TSF
RC-20	Nuevo Business Park	Gen. Light Industrial	357.156	TSF
		Warehousing	1767.618	TSF
RC-21	Meridian (March Business Park SP)	Business Park	41917.000	TSF
RC-22	Blanding Assemblage	High-Cube Warehouse	707.880	TSF
RC-23	CUP 03527	Warehousing	8.000	TSF
RC-24	CUP 03599	Hotel	52.798	TSF
RC-25	PP 24608	Retail	9.280	TSF
RC-26	PM 32699	SFDR	2.00	DU
RC-27	PP 25699	Fast-Food w/Drive Thru	2.800	TSF
		Retail	19.000	TSF
RC-28	TR 30592	SFDR	131.00	DU
RC-29	PP 25768	Manufacturing	52.450	TSF
RC-30	CUP 03620R1	Gas Station w/ Market	8.00	VFP
RC-31	TTM 33410 Box Springs	SFDR	142	DU
RC-32	Knox Logistics	High-Cube Warehouse	1,259.050	TSF
RC-33	University Highlands	SFDR	405	DU
		Condo/Townhomes	320	DU
		Apartments	1,475	DU
		Shopping Center	50.0	TSF
		Parks	42.4	AC
<b>CITY OF RIVERSIDE</b>				
R-1	P07-1028 (Alessandro Business Park) Alessandro and Gorgonio	General Light Industrial	662.018	TSF
		Fast Food w/Drive Thru	4.050	TSF
R-2	Alessandro Bl. (APN 263-091-008; 263-100-019; 263-100-005; P14-0841 to 0848)	Commercial and Industrial Complex	101.580	TSF
R-3	California Baptist University Specific Plan	University	157.0	AC
R-4	Canyon Springs Specific Plan	Hospital	280	BEDS
		Medical-Dental Office	370.000	TSF
		Senior Adult Housing-Attached	234	DU
		Assisted Living	267	BEDS
R-5	Citrus Business Park Specific Plan	Industrial Business Park	49.0	AC
R-6	Downtown Specific Plan	Residential	5,000	DU
R-7	Hunter Business Park	Industrial	1300.0	AC
R-8	La Sierra University Specific Plan	Mixed-Use		
R-9	Magnolia Avenue Specific Plan	Mixed-Use/Very High Residential	1473.0	AC
R-10	Marketplace Specific Plan	Commercial Retail/Office	200.0	AC
R-11	Mission Grove Specific Plan	Business/Office Park	56.8	AC
		Commercial Retail	68.1	AC
		High Density Residential	53.8	AC
		Low Density Residential	78.4	AC
		Medium Density Residential	155.3	AC
R-12	Orangecrest Specific Plan	Rural Residential	2.1	AC
		Business/Office Park	2.7	AC
		Commercial Retail	139.0	AC
		High Density Residential	13.7	AC
		Low Density Residential	540.8	AC
		Medium Density Residential	1217.8	AC
		Public Facilities/Institutions	121.6	AC
Public Park	59.5	AC		
R-13	Rancho La Sierra Specific Plan	SFDR	598	DU
R-14	Riverside Auto Center Specific Plan	Auto Center		
R-15	Riverwalk Vista Specific Plan	Residential	402	DU

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## Cumulative Development Land Use Summary

TAZ	Project Name	Land Use <sup>1</sup>	Quantity	Units <sup>2</sup>
R-16	Sycamore Canyon Specific Plan	Hillside Residential	41.8	AC
		Low Density Residential	97.3	AC
		Medium Density Residential	14.8	AC
		Very Low Density Residential	884.2	AC
R-17	Sycamore Canyon Business Park Specific Plan	Public Park	27.9	AC
		Business/Office Park	847.2	AC
R-18	Sycamore-Highlands Specific Plan	Commercial Retail	10.3	AC
		Commercial Retail	14.6	AC
		High Density Residential	52.2	AC
		Medium Density Residential	99.1	AC
		Public Facilities	1.6	AC
		144.2	AC	
		Very Low Density Residential	49.1	AC
R-19	University Avenue Specific Plan	Mixed-Use	Varies	
R-20	807 Blaine Street (P09-0717; P09-0718)	Apartments	55	DU
R-21	2340 Fourteenth Street (P09-0808; P08-0809)	Senior Housing	134	BEDS
R-22	Park Sierra Avenue (P14-0026; P14-0027)	Fast Food w/Drive Thru	3.500	TSF
R-23	6287 Day Street (P10-0090; P10-0091)	Gas Station	2	VFP
	2570 Canyon Springs Parkway (P08-0274; P08-0275)	Bank w/ Drive Thru	2.746	TSF
	6211 Valley Springs Parkway (Steak 'N Shake Restaurant; P14-0536)	Fast Food w/Drive Thru	3.750	TSF
R-24	N. of Van Buren Boulevard; W. of Wood Street (P10-0808; P10-0708)	Fast Food w/Drive Thru	2.361	TSF
R-25	E. of Commerce St., between Mission Inn Av. and Ninth St. (P14-0045; P14-0046; P14-0047; P14-0048; P14-0049)	Apartments	208	DU
R-26	NWC of Riverwalk Parkway and Flat Rock Drive (P12-0019; P12-0156; P12-0158)	Convenience Store	2.400	TSF
		Coffee Shop	3.946	TSF
R-27	3875 Dawes Street (P10-0438; Magnolia Garden Condominiums)	Condo/Townhomes	62	DU
R-28	5938-5944 Grand Avenue (P12-0266; P12-0267; P12-0268)	Senior Housing	37	DU
R-29	4445 Magnolia Avenue (P13-0207; P13-0208; P13-0209; P13-0210; P13-0211)	Hospital Expansion	Varies	
R-30	SR-91/Van Buren Commercial	Commercial Retail	23.565	TSF
R-31	360 Alessandro Boulevard (P12-0419; P12-0557; P12-0558; P12-0559)	Bank	3.858	TSF
R-32	6465 Sycamore Canyon Boulevard	Health Club	4.000	TSF
R-33	2450 Market Street (P13-0087; P13-0262)	Apartments	77	DU
R-34	6091 Victoria Avenue (P13-0432)	Day Care	1.831	TSF
R-35	14601 Dauchy Av. - TM 36370 (P12-0601; P12-0697; P12-0698)	SFDR	10	DU
	TM 32180 (P07-1073)	SFDR	9	DU
	18875 Moss Road	SFDR	8	DU
	South of Clarke St., west of Crystal View Terrace (PM 34583' {09-0141; P09-173})	SFDR	3	DU
R-36	4824 Jones Avenue (P13-0181; P13-0182)	Church	23.124	TSF
R-37	2586 University avenue (P13-0650; P13-0651)	Bed and Breakfast	3.618	TSF
R-38	18580 Van Buren Boulevard (P08-0402; P13-0822)	Auto Repair Shop	8.142	TSF
R-39	4247 Van Buren Boulevard (P13-0785; P13-0787)	Church Expansion	12.166	TSF
R-40	SWC of Lurin Avenue and Wood Road (P06-0900; P08-0269; P08-0270; TTM 32301)	SFDR	20	DU
R-41	8616 California Avenue (P08-0084; PM 35852)	Condo/Townhomes	21	DU
R-42	19811 Lurin Avenue (P06-1355; TM 33480)	SFDR	32	DU
R-43	APN:266140029, 030 (P06-1396; Mariposa Avenue; TM 33481)	SFDR	25	DU
R-44	APN:266140002, 021, 022 (P06-1404; Lurin Avenue; TM 33482)	SFDR	29	DU
R-45	3719 Strong Street (P05-0269; P08-0416; TM 33550)	SFDR	9	DU
R-46	1006 & 1008 Clark Street (P06-0782; TM 34908)	SFDR	15	DU
R-47	E. of Gratton St., W. of Corsica Av., N. of Van Buren Bl. (P05-1528; P09-0087; TM 34509)	SFDR	50	DU
R-48	NWC of Dominion Avenue and Division Street (P08-0396; P08-0397; P08-0398; P08-0399; TM 35620)	Condo/Townhomes	36	DU
R-49	6639 Hillside Avenue (P08-0727; PM 35901)	Industrial	5	LOTS
R-50	19985 Van Buren Boulevard (P10-0118; Gless Ranch)	Commercial Retail	425.447	TSF
R-51	3990 Reynolds Road (P12-0021; P12-0022; P12-0074; PM 36442)	Condo/Townhomes	102	DU
R-52	NEC of Martha Way & Everest Avenue (P13-0389; TM 36579)	SFDR	5	DU
R-53	4325, 4335, 4345, 4355, 4375 Adams Street (P13-0723; P13-0724; P13-0725; TM 36654)	SFDR	62	DU
R-54	5200 Van Buren Boulevard (P09-0600; P09-0601; Walmart Expansion)	Free Standing Discount Store	22.272	TSF
R-55	P06-0160	Gen. Light Industrial	316.224	TSF
	P06-1281	Warehousing	107.732	TSF

Attachment: Traffic Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

Table 4-4

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## Cumulative Development Land Use Summary

TAZ	Project Name	Land Use <sup>1</sup>	Quantity	Units <sup>2</sup>
R-56	9241 & 9265 Audrey Avenue (P12-0184; P12-0185; P12-0187; Azar Plaza)	Commercial Retail	6.150	TSF
R-57	Office, Magnon & Panattoni	Office	131.000	TSF
		Warehousing	1400.000	TSF
		Warehousing	300.000	TSF
		Warehousing	216.000	TSF
R-58	1710 Main Street (P12-0717)	Family Dollar Store	8.039	TSF
R-59	2861 Mary Street (P12-0442; P12-0443; P12-0444)	Shopping Center	56.101	TSF
R-60	3545 Central Avenue (P12-0741; P12-0743)	Riverside Plaza Renovations	35.0	AC
R-61	5731, 5741, 5761 & 5797 Pickler Street (P13-0198; P13-0199; P13-0200; P13-0201)	Apartments	30	DU
R-62	3705 Tyler Street (P13-0501; P13-0502)	Restaurant	6.000	TSF
R-63	6570 Magnolia Avenue; 3739 & 3747 Central Avenue (P13-0196; P13-0197)	Fast Food w/Drive Thru	3.795	TSF
R-64	5940-5980 Sycamore Canyon Boulevard (P13-0553; P13-0554; P13-0583; P14-0065)	Apartments	275	DU
R-65	SEC Sycamore Canyon Boulevard & Box Springs Road (P13-0607; P13-0608; P0609; P13-0854)	General Light Industrial	171.616	TSF
R-66	P06-0591	Office	37.939	TSF
		Warehousing	782.188	TSF
		Manufacturing	168.294	TSF
R-67	474 Palmyrita Avenue (P13-0956; P13-0959; P13-0960; P13-0963; P13-0964; P13-0965; P13-0966)	High-Cube Warehouse	1461.449	TSF
<b>CITY OF PERRIS</b>				
P-1	P 05-0113 (IDI)	High-Cube Warehouse	1750.000	TSF
P-2	P 05-0192 (Oakmont I)	High-Cube Warehouse	697.600	TSF
P-3	P 05-0477	High-Cube Warehouse	462.692	TSF
P-4	Rados Distribution Center	High-Cube Warehouse	1200.000	TSF
P-5	Investment Development Services (IDS) II	High-Cube Warehouse	350.000	TSF
P-6	P 07-09-0018	Warehousing	170.000	TSF
P-7	P 07-07-0029 (Oakmont II)	High-Cube Warehouse	1600.000	TSF
P-8	TR 32707	SFDR	137	DU
P-9	TR 34716	SFDR	318	DU
P-10	P 05-0493 (Ridge I)	High-Cube Warehouse	700.000	TSF
P-11	Ridge II	High-Cube Warehouse	2000.000	TSF
P-12	Harvest Landing Specific Plan	SFDR	717	DU
		Condo/Townhomes	1,139	DU
		Sports Park	16.7	AC
		Business Park	1233.401	TSF
		Shopping Center	73.181	TSF
		Perris Marketplace	Shopping Center	450.000
P-13	P 06-0411 (Concrete Batch Plant)	Manufacturing	2.000	TSF
P-14	Jordan Distribution	High-Cube Warehouse	378.000	TSF
P-15	Aiere	High-Cube Warehouse	642.000	TSF
P-16	P 08-11-0005; P 08-11-0006 (Starcrest)	High-Cube Warehouse	454.088	TSF
P-17	Stratford Ranch Specific Plan	High-Cube Warehouse	1725.411	TSF
P-18	Stratford Ranch Specific Plan	High-Cube Warehouse	480.000	TSF
		General Light Industrial	120.000	TSF
P-19	P05-0493	Logistics	597.370	TSF
P-20	Starcrest, P011-0005; 08-11-0006	General Light Industrial	454.088	TSF
P-21	South Perris Industrial Phase 1	Logistics	787.700	TSF
P-22	South Perris Industrial Phase 2	Logistics	3448.734	TSF
P-23	South Perris Industrial Phase 3	Logistics	3166.857	TSF
P-24	P 04-0343	Warehousing	41.650	TSF
P-25	P 06-0228	General Light Industrial	149.738	TSF
P-26	P 06-0378	Senior Housing	429	DU
P-27	P 11-09-0011	Retail	80.000	TSF
P-28	P 12-05-0013	Apartments	75	DU
P-29	P 12-10-0005	High-Cube Warehouse	1463.887	TSF
P-30	TR 30850	Residential	496	DU
P-31	TR 30973	Residential	35	DU
P-32	TR 31225	Residential	57	DU
P-33	TR 31226	Residential	82	DU
P-34	TR 31240	Residential	114	DU
P-35	TR 31407	Residential	243	DU

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Table 4-4

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## Cumulative Development Land Use Summary

TAZ	Project Name	Land Use <sup>1</sup>	Quantity	Units <sup>2</sup>
P-36	TR 31650	SFDR	61	DU
P-37	TR 31659	SFDR	161	DU
P-38	TR 32041	Residential	122	DU
P-39	TR 32406	SFDR	15	DU
P-40	TR 33193	Townhomes	94	DU
P-41	TR 33338	Residential	75	DU
P-42	Park West Specific Plan	SFDR	521	DU
		Elementary School	750	STU
		Neighborhood Park	5.0	AC
P-43	The Venue	Commercial Retail	642.627	TSF
	Retail on San Jacinto	Commercial Retail	217.800	TSF
	Retail on Redlands	Fast Food w/ Drive Thru	4.500	TSF
		Pharmacy w/ Drive Thru	14.000	TSF
		Specialty Retail	31.500	TSF
P-44	South Perris Metrolink Station	Light Rail Transit Station	680	SP
P-45	IDS 04-0464	High-Cube Warehouse	1686.760	TSF
P-46	TTM 32708 (50% Complete)	SFDR	238	DU
P-47	PM 34199	Gen. Light Industrial	46.500	TSF
	DPR 05-0387	Gen. Light Industrial	9.854	TSF
	DPR 05-0452	Warehousing	31.200	TSF
	TPM 34697	Gen. Light Industrial	47.400	TSF
	DPR 06-0396	Warehousing	159.823	TSF
P-48	Integra Pacific Industrial Facility	High-Cube Warehouse	880.000	TSF

<sup>1</sup> SFDR = Single Family Detached Residential ; MFDR = Multi-Family Detached Residential

<sup>2</sup> DU = Dwelling Units; TSF = Thousand Square Feet; SP = Spaces; VFP = Vehicle Fueling Positions; RMS = Rooms; AC = Acres; EMP = Employees

<sup>3</sup> Source: Cactus Avenue and Commerce Center Drive Commercial Center TIA, Urban Crossroads, Inc., December 9, 2008 (Revised).

<sup>4</sup> Source: March Lifecare Campus Specific Plan Traffic Impact Analysis, Mountain Pacific, Inc., May 2009 (Revised).

As noted previously, an analysis of the proposed Project at various development tiers has been assessed for the purposes of this traffic study. The near-term traffic analysis includes the following traffic conditions, with the various traffic components:

- Opening Year Cumulative (2021)
  - Existing 2016 counts
  - Ambient growth traffic (10.41%)
  - Cumulative Development Project traffic
  - Project traffic

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Attachment: Traffic Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL



## 5 E+P TRAFFIC CONDITIONS

This section discusses the traffic forecasts for Existing plus Project (E+P) conditions and the resulting intersection operations, roadway segment, and traffic signal warrant analyses.

### 5.1 ROADWAY IMPROVEMENTS

The lane configurations and traffic controls assumed to be in place for E+P conditions are consistent with those shown previously on Exhibit 3-1, with the exception of the following:

- Project driveways and those facilities assumed to be constructed by the Project to provide site access are also assumed to be in place for E+P conditions only (e.g., intersection and roadway improvements at the Project's frontage and driveways).

### 5.2 E+P TRAFFIC VOLUME FORECASTS

This scenario includes Existing traffic volumes plus Project traffic. Exhibit 5-1 shows the ADT and peak hour intersection turning movement volumes, which can be expected for E+P traffic conditions.

### 5.3 INTERSECTION OPERATIONS ANALYSIS

E+P peak hour traffic operations have been evaluated for the study area intersections based on the analysis methodologies presented in Section 2 *Methodologies* of this TIA. The intersection analysis results are summarized in Table 5-1, which indicate that consistent with Existing traffic conditions, the following study area intersection is anticipated to operate at an unacceptable LOS:

Exhibit 5-2 summarizes the weekday AM and PM peak hour study area intersection LOS under E+P traffic conditions, consistent with the summary provided in Table 5-1. The intersection operations analysis worksheets are included in Appendix 5.1 of this TIA.

### 5.4 ROADWAY SEGMENT CAPACITY ANALYSIS

As noted previously, the City of Moreno Valley stated roadway segment capacities are approximate figures only and are used at the General Plan level to assist in determining the roadway functional classification (number of through lanes) needed to meet future traffic demand.

Table 5-2 provides a summary of the E+P conditions roadway segment capacity analysis based on the City of Moreno Valley General Plan Circulation Element Roadway Segment Capacity/LOS Thresholds identified previously on Table 2-3. As shown on Table 5-2, there are no roadway segments that are anticipated to operate at an unacceptable LOS under E+P traffic conditions, consistent with Existing traffic conditions.

EXHIBIT 5-1: E+P TRAFFIC VOLUMES

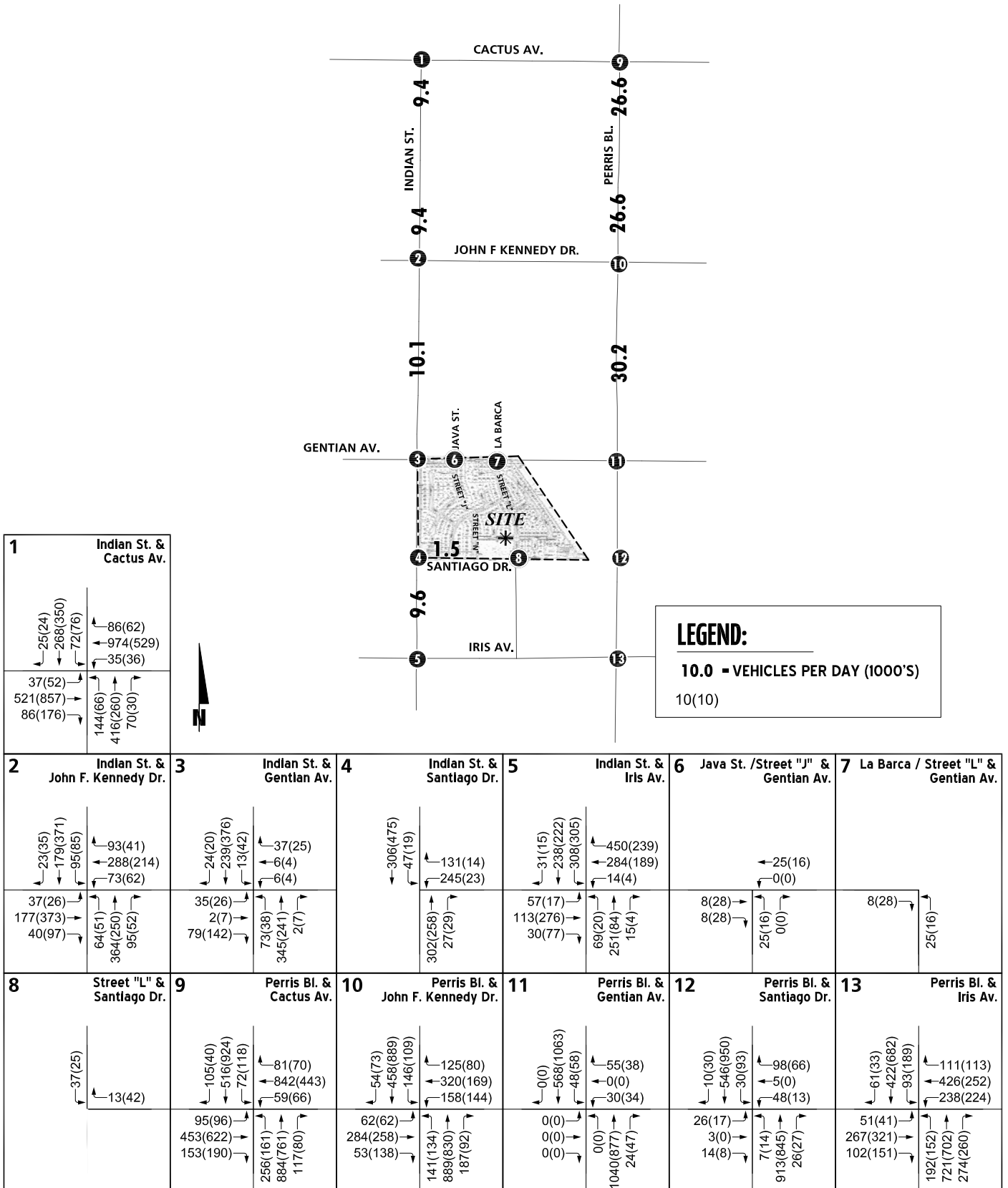
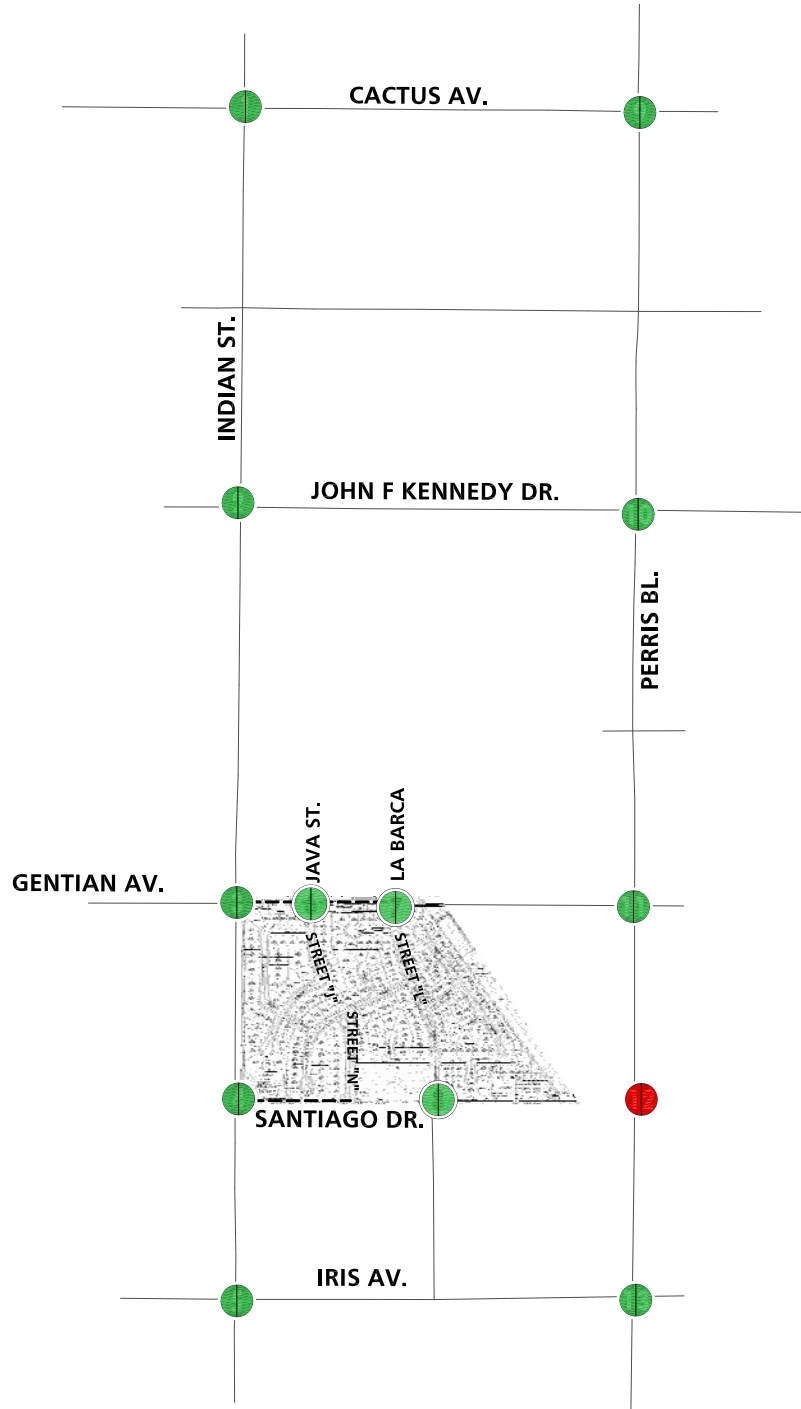


EXHIBIT 5-2: E+P SUMMARY OF LOS



LEGEND:





-  AM PEAK HOUR ACCEPTABLE LOS
-  AM PEAK HOUR DEFICIENT LOS
-  PM PEAK HOUR ACCEPTABLE LOS
-  PM PEAK HOUR DEFICIENT LOS



Table 5-1

Intersection Analysis for E+P Conditions

#	Intersection	Traffic Control <sup>2</sup>	Existing (2016)				E+P			
			Delay <sup>1</sup> (secs.)		Level of Service		Delay <sup>1</sup> (secs.)		Level of Service	
			AM	PM	AM	PM	AM	PM	AM	PM
1	Indian St / Cactus Av	TS	28.4	27.2	C	C	29.5	28.7	C	C
2	Indian St / John F. Kennedy Dr	TS	26.5	24.6	C	C	26.5	24.9	C	C
3	Indian St / Gentian Av	CSS	20.0	15.1	C	C	28.6	21.0	D	C
4	Indian St / Santiago Dr	TS	14.7	2.6	B	A	15.8	4.7	B	A
5	Indian St / Iris Av	TS	44.8	30.6	D	C	49.9	31.6	D	C
6	Street J / Gentian Av	<u>CSS</u>	Future Intersection				8.8	8.9	A	A
7	Street L / Gentian Av	<u>CSS</u>	Future Intersection				8.6	8.6	A	A
8	Street L / Santiago Dr	<u>CSS</u>	Future Intersection				0.0	0.0	A	A
9	Perris Bl / Cactus Av	TS	25.2	33.6	C	C	32.2	35.9	C	D
10	Perris Bl / John F. Kennedy Dr	TS	40.9	44.7	D	D	41.4	45.9	D	D
11	Perris Bl / Gentian Av	TS	5.9	4.9	A	A	5.9	4.9	A	A
12	Perris Bl / Santiago Dr	CSS	<b>47.4</b>	<b>43.7</b>	<b>E</b>	<b>E</b>	<b>48.9</b>	<b>57.1</b>	<b>E</b>	<b>F</b>
13	Perris Bl / Iris Av	TS	44.5	36.2	D	D	45.0	36.3	D	D

<sup>1</sup> Per the 2010 Highway Capacity Manual, overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown.

<sup>2</sup> CSS = Cross-street Stop; TS = Traffic Signal

Attachment: Traffic Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

Table 5-2

Roadway Segment Capacity Analysis for E+P Conditions

#	Roadway	Segment Limits	Roadway Section	LOS Capacity <sup>1</sup>	Existing (2016)	V/C	LOS	E+P	V/C	LOS	Acceptable LOS
1		Cactus Avenue to John F. Kennedy Dr.	4D	37,500	8,525	0.23	A	9,367	0.25	A	C
2	Indian Street	John F. Kennedy Dr. to Gentian Av.	4D	37,500	9,215	0.25	A	10,057	0.27	A	C
3		Santiago Dr. to Iris Av.	2U	12,500	9,105	0.73	C	9,631	0.77	C	D
4		Indian St. to Street J/Java St.	<b>2U</b>	12,500	N/A	N/A	N/A	840	0.07	A	C
5	Gentian Avenue	Street J/Java St. to Street L/La Barca	<b>2U</b>	12,500	N/A	N/A	N/A	420	0.03	A	C
6		West of Perris Bl.	--	--	N/A	N/A	N/A	N/A	N/A	N/A	C
7		East of Indian St.	2U	12,500	842	0.07	A	1,474	0.12	A	C
8	Santiago Drive	West of Perris Bl.	2U	12,500	13	0.00	A	643	0.05	A	C
9		Cactus Avenue and John F. Kennedy Dr.	6D	56,300	26,172	0.46	A	26,592	0.47	A	D
10	Perris Boulevard	John F. Kennedy Dr. to Gentian Av.	6D	56,300	29,801	0.53	A	30,221	0.54	A	D

**BOLD** = LOS does not meet the applicable jurisdictional requirements (i.e., unacceptable LOS).

N/A = Not Applicable; Segment does not exist.

<sup>1</sup> These maximum roadway capacities have been extracted from the City of Moreno Valley's Transportation Division's Traffic Impact Analysis (August 2007). These roadway capacities are "rule of thumb" estimates for planning purposes. The LOS E service volumes are estimated maximum daily capacity for respective classifications. Capacity is affected by such factors as intersections (spacing, configuration and control features), degree of access control, roadway grades, design geometrics (horizontal and vertical alignment standards), sight distance, vehicle mix (truck and bus traffic) and pedestrian and bicycle traffic.



## 5.5 TRAFFIC SIGNAL WARRANTS ANALYSIS

There are no additional study area intersections anticipated to meet either peak hour or planning level (ADT) volume based traffic signal warrants under E+P traffic conditions, in addition to those previously warranted under Existing traffic conditions (see Appendix 5.2).

## 5.6 RECOMMENDED IMPROVEMENTS

### 5.6.1 RECOMMENDED IMPROVEMENTS TO ADDRESS DEFICIENCIES AT INTERSECTIONS

Improvement strategies have been recommended at intersections that have been identified as deficient to reduce each location's peak hour delay and improve the associated LOS grade to an acceptable LOS (i.e., LOS D or better). The effectiveness of the proposed recommended improvements is presented in Table 5-3 for E+P traffic conditions. Recommended improvements to address deficiencies for E+P traffic conditions are described below. All recommended improvements are consistent with Existing (2016) traffic conditions (see Table 3-3).

#### ***Recommended Improvement – Perris Boulevard / Santiago Drive (#12)***

- Install a traffic signal.

Worksheets for E+P conditions, with improvements, HCM calculations are provided in Appendix 5.3.

### 5.6.2 RECOMMENDED IMPROVEMENTS TO ADDRESS DEFICIENCIES ON ROADWAY SEGMENTS

All study area roadway segments are anticipated to operate at acceptable LOS (LOS C or better) for E+P traffic conditions. As such, no roadway improvements have been recommended.



Table 5-3

Intersection Analysis for E+P Conditions With Improvements

#	Intersection	Traffic Control <sup>3</sup>	Intersection Approach Lanes <sup>1</sup>												Delay <sup>2</sup> (secs.)		Level of Service		
			Northbound			Southbound			Eastbound			Westbound			AM	PM	AM	PM	
			L	T	R	L	T	R	L	T	R	L	T	R					
12	Perris Bl / Santiago Dr																		
	Existing (2016):																		
	Without Improvements	CSS	1	3	0	1	3	0	0	1	d	0	1	d	47.4	43.7	E	E	
	With Improvements	TS	1	3	0	1	3	0	0	1	d	0	1	d	9.1	8.3	A	A	
	E+P:																		
	Without Improvements	CSS	1	3	0	1	3	0	0	1	d	0	1	d	48.9	57.1	E	F	
	With Improvements	TS	1	3	0	1	3	0	0	1	d	0	1	d	19.3	11.3	B	B	

<sup>1</sup> When a right turn is designated, the lane can either be striped or unstriped. To function as a right turn lane there must be sufficient width for right turning vehicles to travel outside the through lanes

L = Left; T = Through; R = Right; > = Right-Turn Overlap Phasing; d= Defacto Right Turn Lane

<sup>2</sup> Per the 2010 Highway Capacity Manual, overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown.

<sup>3</sup> CSS = Cross-street Stop; TS = Traffic Signal

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Attachment: Traffic Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL

## 6 OPENING YEAR CUMULATIVE (2021) TRAFFIC CONDITIONS

This section discusses the methods used to develop Opening Year Cumulative (2021) traffic forecasts and the resulting intersection operations, roadway segment, and traffic signal warrant analyses.

### 6.1 ROADWAY IMPROVEMENTS

The lane configurations and traffic controls assumed to be in place for Opening Year Cumulative (2021) conditions are consistent with those shown previously on Exhibit 3-1, with the exception of the following:

- Project driveways and those facilities assumed to be constructed by the Project to provide site access are also assumed to be in place for Opening Year Cumulative conditions only (e.g., intersection and roadway improvements along the Project's frontage and driveways).
- Driveways and those facilities assumed to be constructed by cumulative developments to provide site access are also assumed to be in place for Opening Year Cumulative conditions only (e.g., intersection and roadway improvements along the cumulative development's frontages and driveways).

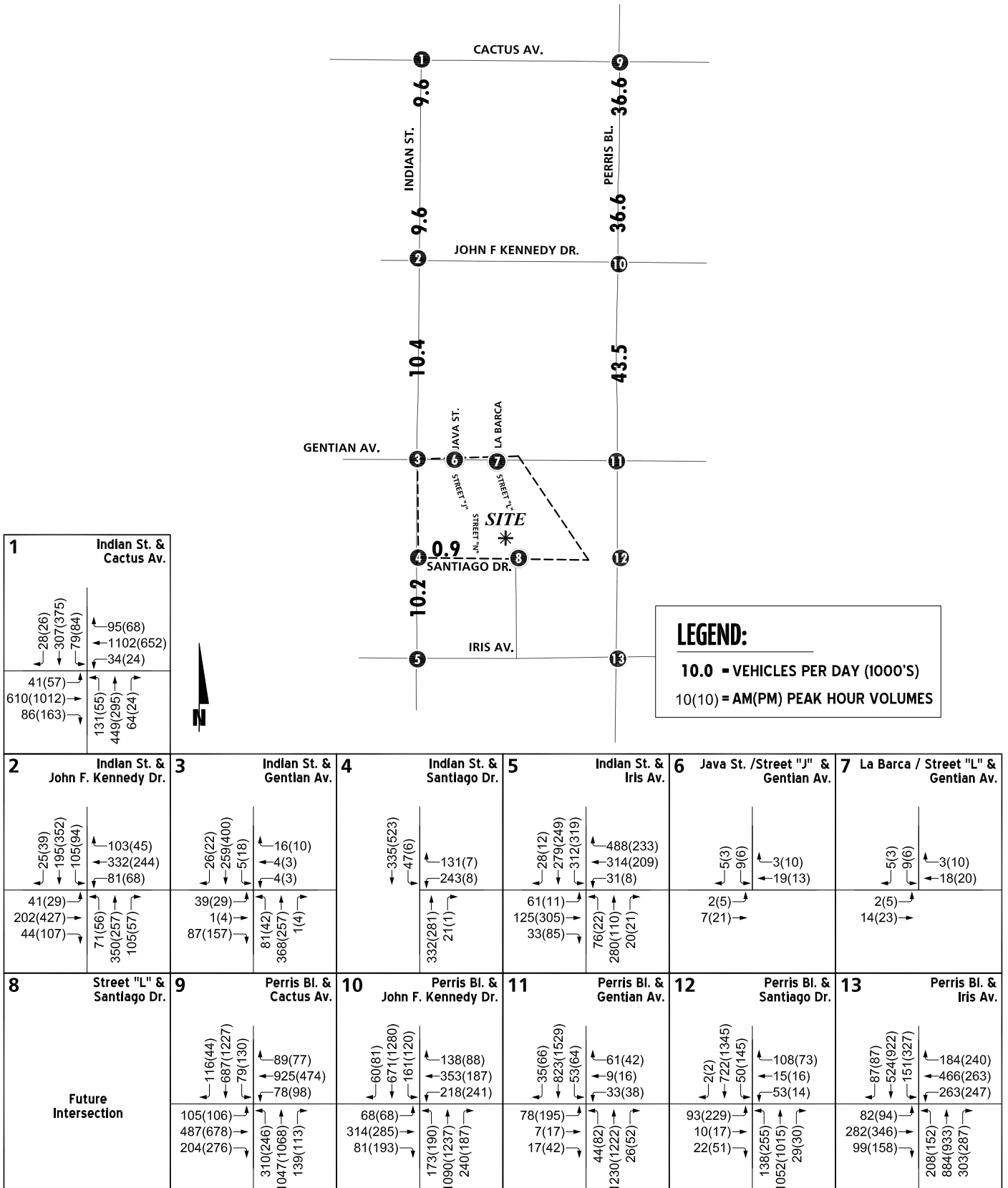
### 6.2 OPENING YEAR CUMULATIVE (2021) WITHOUT PROJECT TRAFFIC VOLUME FORECASTS

To account for background traffic, other known cumulative development projects in the study area were included in addition to 10.41% of ambient growth for Opening Year Cumulative traffic conditions. The weekday ADT and weekday AM and PM peak hour volumes which can be expected for Opening Year Cumulative (2021) Without Project traffic conditions are shown on Exhibit 6-1.

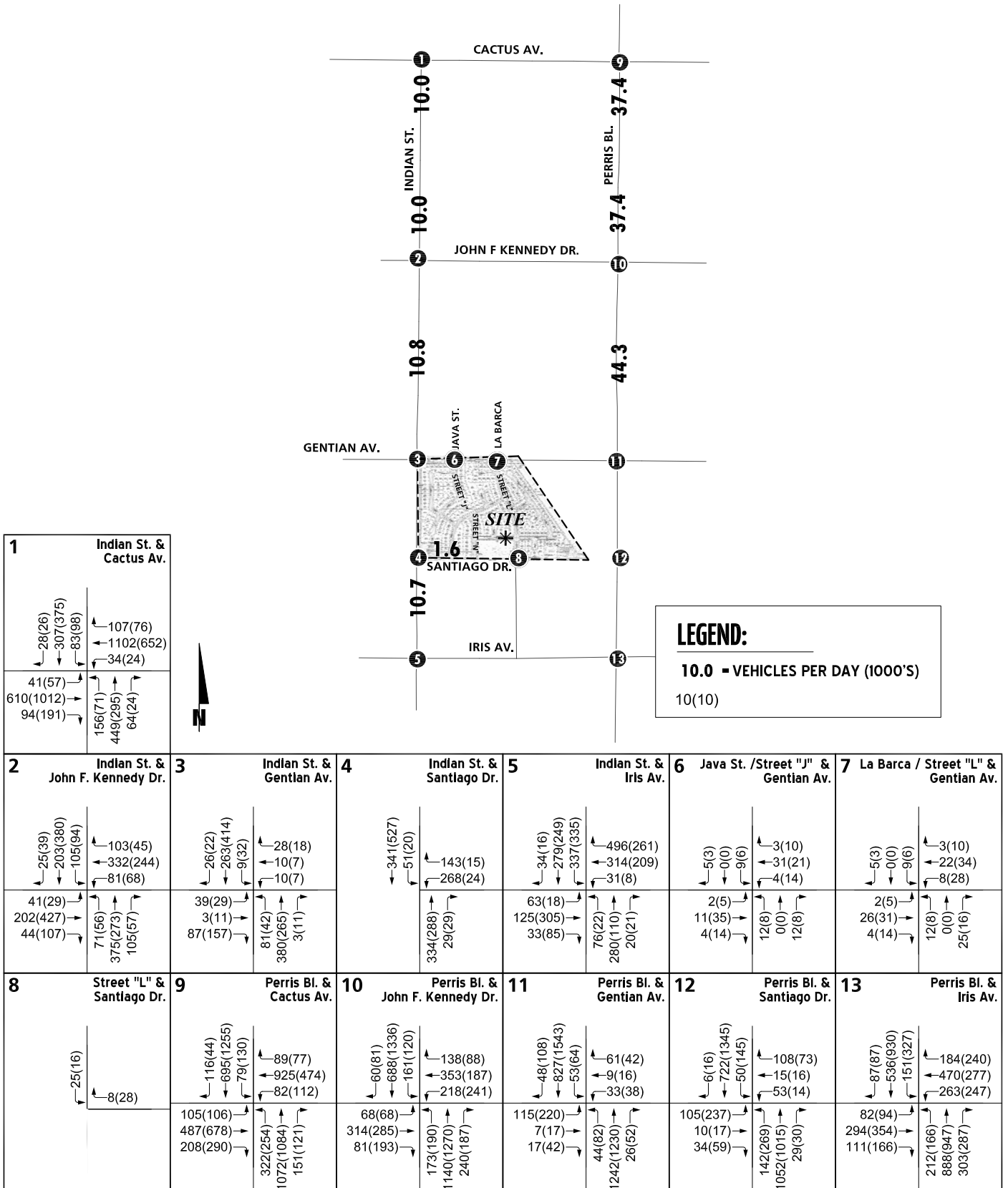
### 6.3 OPENING YEAR CUMULATIVE (2021) WITH PROJECT TRAFFIC VOLUME FORECASTS

To account for background traffic, other known cumulative development projects in the study area were included in addition to 10.41% of ambient growth for Opening Year Cumulative traffic conditions in conjunction with traffic associated with the proposed Project. The weekday ADT and weekday AM and PM peak hour volumes which can be expected for Opening Year Cumulative (2021) With Project traffic conditions are shown on Exhibit 6-2.

**EXHIBIT 6-1: OPENING YEAR CUMULATIVE (2021) WITHOUT PROJECT TRAFFIC VOLUMES**



**EXHIBIT 6-2: OPENING YEAR CUMULATIVE (2021) WITH PROJECT TRAFFIC VOLUMES**



## 6.4 INTERSECTION OPERATIONS ANALYSIS

LOS calculations were conducted for the study intersections to evaluate their operations under Opening Year Cumulative conditions with roadway and intersection geometrics consistent with Section 6.1 *Roadway Improvements*. As shown in Table 6-1, there are no study area intersections are anticipated to operate at unacceptable LOS during the peak hours under Opening Year Cumulative (2021) without Project traffic conditions, in addition to the location previously identified under Existing (2016) traffic conditions.

The following additional study area intersections are anticipated to operate at unacceptable LOS with the addition of Project traffic, in addition to those previously identified for Opening Year Cumulative Without Project traffic conditions:

- Indian Street / Cactus Avenue (#1)
- Indian Street / Gentian Avenue (#3)

A summary of the peak hour intersection LOS for Opening Year Cumulative (2021) Without Project conditions are shown on Exhibit 6-3 and on Exhibit 6-4 for Opening Year Cumulative (2021) With Project traffic conditions. The intersection operations analysis worksheets for Opening Year Cumulative (2021) Without and With Project traffic conditions are included in Appendix 6.1 and Appendix 6.2 of this TIA, respectively. Measures to address near-term cumulative deficiencies for Opening Year Cumulative traffic conditions are discussed in Section 6.7 *Recommended Improvements*.

## 6.5 ROADWAY SEGMENT CAPACITY ANALYSIS

As noted previously, the roadway segment capacities are approximate figures only, and are typically used at the General Plan level to assist in determining the roadway functional classification (number of through lanes) needed to meet future forecasted traffic demand. Table 6-2 provides a summary of the Opening Year Cumulative (2021) conditions roadway segment capacity analysis based on the City of Moreno Valley General Plan Circulation Element Roadway Segment Capacity/LOS Thresholds identified previously on Table 2-3. As shown on Table 6-2, there are no roadway segments that are anticipated to operate at an unacceptable LOS under Opening Year Cumulative Without and With Project traffic conditions, consistent with Existing traffic conditions.



Table 6-1

## Intersection Analysis for Opening Year Cumulative (2021) Conditions

#	Intersection	Traffic Control <sup>2</sup>	2021 Without Project				2021 With Project			
			Delay <sup>1</sup> (secs.)		Level of Service		Delay <sup>1</sup> (secs.)		Level of Service	
			AM	PM	AM	PM	AM	PM	AM	PM
1	Indian St / Cactus Av	TS	31.7	32.8	C	C	<b>37.6</b>	<b>37.3</b>	D	D
2	Indian St / John F. Kennedy Dr	TS	26.7	25.2	C	C	26.7	25.2	C	C
3	Indian St / Gentian Av	CSS	30.7	20.2	D	C	<b>36.5</b>	23.1	E	C
4	Indian St / Santiago Dr	TS	15.5	2.8	B	A	16.6	4.8	B	A
5	Indian St / Iris Av	TS	47.4	31.7	D	C	48.8	34.6	D	C
6	Street J / Gentian Av	<u>CSS</u>	8.6	8.7	A	A	8.8	9.1	A	A
7	Street L / Gentian Av	<u>CSS</u>	8.7	8.7	A	A	9.0	9.3	A	A
8	Street L / Santiago Dr	<u>CSS</u>	Future Intersection				0.0	0.0	A	A
9	Perris Bl / Cactus Av	TS	33.8	42.7	C	D	35.9	45.8	D	D
10	Perris Bl / John F. Kennedy Dr	TS	43.9	50.1	D	D	44.0	54.5	D	D
11	Perris Bl / Gentian Av	TS	6.0	5.1	A	A	6.0	5.1	A	A
12	Perris Bl / Santiago Dr	CSS	<b>&gt;100.0</b>	<b>&gt;100.0</b>	<b>F</b>	<b>F</b>	<b>&gt;100.0</b>	<b>&gt;100.0</b>	<b>F</b>	<b>F</b>
13	Perris Bl / Iris Av	TS	46.5	48.6	D	D	48.4	49.9	D	D

**BOLD** = LOS does not meet the applicable jurisdictional requirements (i.e., unacceptable LOS).

<sup>1</sup> Per the 2010 Highway Capacity Manual, overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown.

<sup>2</sup> CSS = Cross-street Stop; TS = Traffic Signal

Table 6-2

Roadway Segment Capacity Analysis for Opening Year Cumulative (2021) Conditions

#	Roadway	Segment Limits	Roadway Section	LOS Capacity <sup>1</sup>	2021 NP	V/C	LOS	2021 WP	V/C	LOS	Acceptable LOS
1	Indian Street	Cactus Avenue to John F. Kennedy Dr.	4D	37,500	9,588	0.26	A	10,008	0.27	A	C
2		John F. Kennedy Dr. to Gentian Av.	4D	37,500	10,350	0.28	A	10,770	0.29	A	C
3		Santiago Dr. to Iris Av.	2U	12,500	10,229	0.82	D	10,755	0.86	D	D
4	Gentian Avenue	Indian St. to Street J/Java St.	<b>2U</b>	12,500	N/A	N/A	N/A	420	0.03	A	C
5		Street J/Java St. to Street L/La Barca	<b>2U</b>	12,500	N/A	N/A	N/A	420	0.03	A	C
6		West of Perris Bl.	<b>2U</b>	12,500	N/A	N/A	N/A	632	0.05	A	C
7	Santiago Drive	East of Indian St.	2U	12,500	930	0.07	A	1,350	0.11	A	C
8		West of Perris Bl.	2U	12,500	6,559	0.52	A	6,979	0.56	A	C
9	Perris Boulevard	Cactus Avenue and John F. Kennedy Dr.	6D	56,300	36,597	0.65	B	37,439	0.66	B	D
10		John F. Kennedy Dr. to Gentian Av.	6D	56,300	43,490	0.77	C	44,332	0.79	C	D

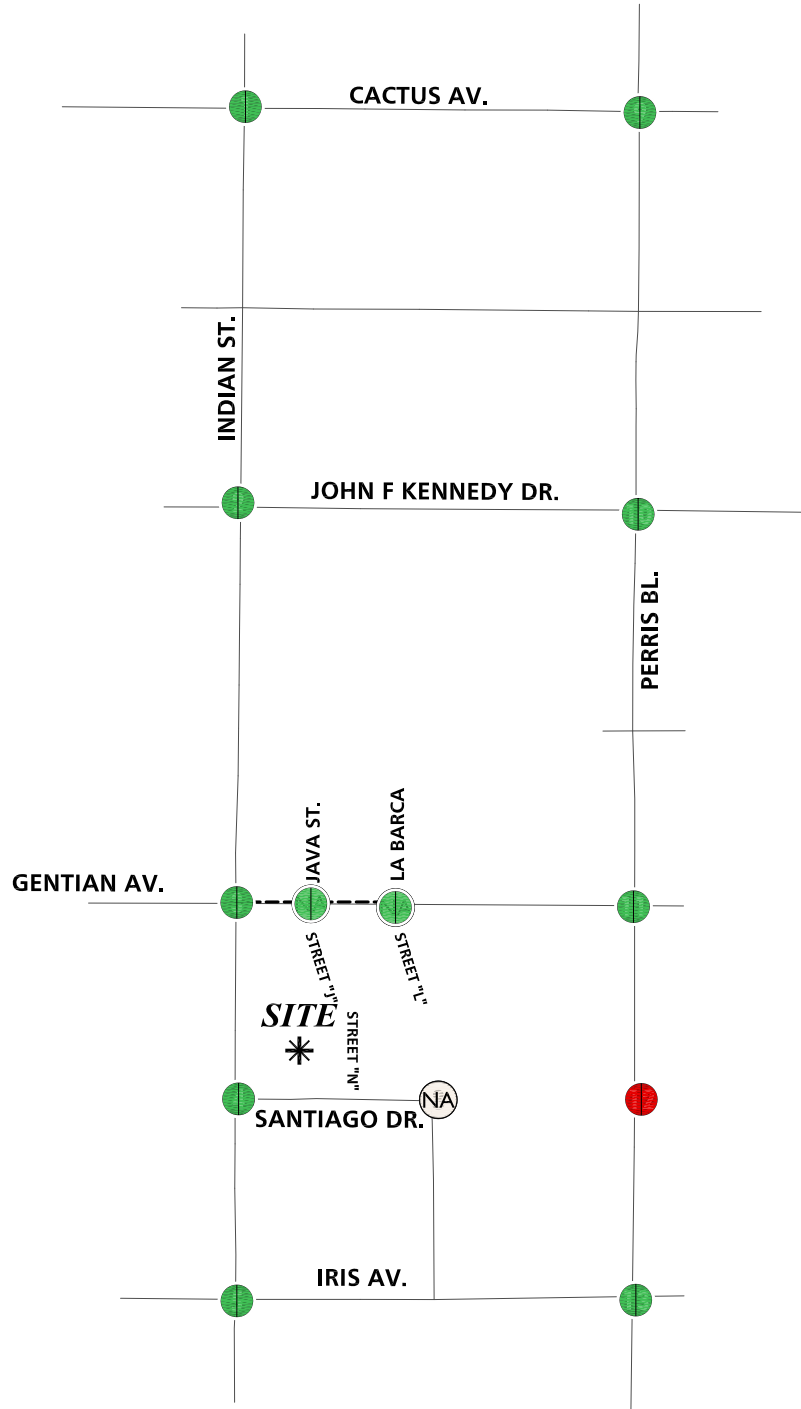
**LOS** = LOS does not meet the applicable jurisdictional requirements (i.e., unacceptable LOS).

N/A = Not Applicable; Segment does not exist.

<sup>1</sup> These maximum roadway capacities have been extracted from the City of Moreno Valley's Transportation Division's Traffic Impact Analysis Transportation Division's Traffic Impact Analysis Preparation Guidelines (August 2007). These roadway capacities are "rule of thumb" estimates for planning purposes. The LOS E service volumes are estimated maximum daily capacity for respective classifications. Capacity is affected by such factors as intersections (spacing, configuration and control features), degree of access control, roadway grades, design geometrics (horizontal and vertical alignment standards), sight distance, vehicle mix (truck and bus traffic) and pedestrian and bicycle traffic.



EXHIBIT 6-3: OPENING YEAR CUMULATIVE (2021) WITHOUT PROJECT SUMMARY OF LOS



LEGEND:






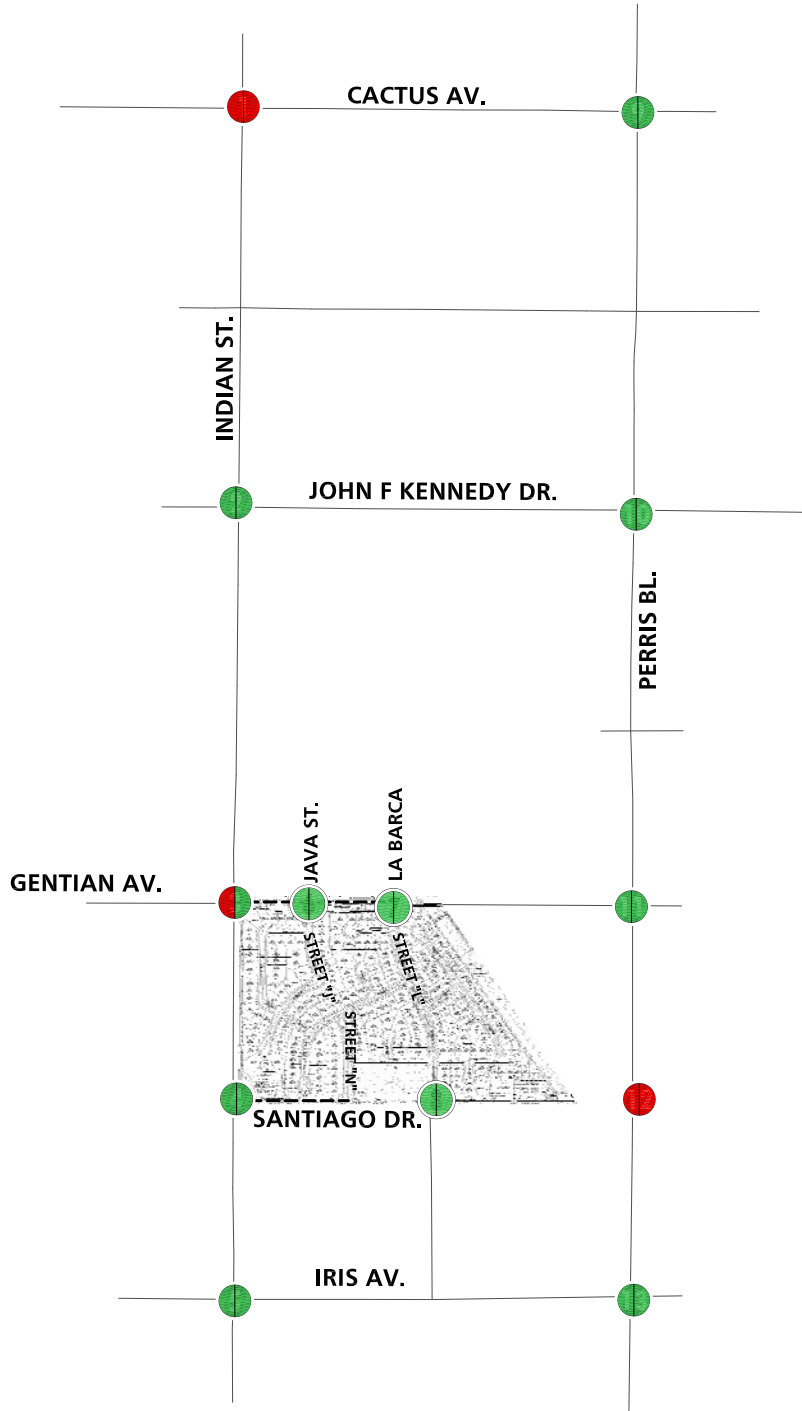




-  AM PEAK HOUR ACCEPTABLE LOS
-  AM PEAK HOUR DEFICIENT LOS
-  PM PEAK HOUR ACCEPTABLE LOS
-  PM PEAK HOUR DEFICIENT LOS
-  = NOT AN ANALYSIS LOCATION FOR THIS SCENARIO



EXHIBIT 6-4: OPENING YEAR CUMULATIVE (2021) WITH PROJECT SUMMARY OF LOS



LEGEND:

-  AM PEAK HOUR ACCEPTABLE LOS
-  AM PEAK HOUR DEFICIENT LOS
-  PM PEAK HOUR ACCEPTABLE LOS
-  PM PEAK HOUR DEFICIENT LOS



## 6.6 TRAFFIC SIGNAL WARRANTS ANALYSIS

There are no additional study area intersections that are anticipated to meet either peak hour or planning level (ADT) volume based traffic signal warrants for Opening Year Cumulative traffic conditions (see Appendix 6.3 and Appendix 6.4).

## 6.7 OPENING YEAR CUMULATIVE DEFICIENCIES AND RECOMMENDED IMPROVEMENTS

### 6.7.1 RECOMMENDED IMPROVEMENTS TO ADDRESS DEFICIENCIES AT INTERSECTIONS

Improvement strategies have been recommended at intersections that have been identified as deficient in an effort to reduce each location's peak hour delay and improve the associated LOS grade to an acceptable LOS (LOS D or better). The effectiveness of the recommended improvement strategies discussed below to address Opening Year Cumulative traffic deficiencies is presented in Table 6-3.

The applicant shall participate in the funding of off-site improvements, including traffic signals that are needed to serve cumulative traffic conditions through the payment of Western Riverside County TUMF, City DIF, or a fair share contribution as directed by the City. These fees are collected as part of a funding mechanism aimed at ensuring that regional highways and arterial expansions keep pace with the projected population increases. Each of the improvements discussed above have been identified as being included as part of TUMF fee program, DIF fee program, or fair share contribution in Section 1.5 *Local and Regional Funding Mechanisms* of this TIA.

Worksheets for Opening Year Cumulative (2021) Without and With Project traffic conditions, with improvements, HCM calculation worksheets are provided in Appendix 6.5 and Appendix 6.6, respectively.

### 6.7.2 RECOMMENDED IMPROVEMENTS TO ADDRESS DEFICIENCIES ON ROADWAY SEGMENTS

All study area roadway segments are anticipated to operate at acceptable LOS (LOS D or better) for Opening Year Cumulative traffic conditions. As such, no roadway improvements have been recommended.

Table 6-3

Intersection Analysis for Opening Year Cumulative (2021) Conditions With Improvements

#	Intersection	Traffic Control <sup>3</sup>	Intersection Approach Lanes <sup>1</sup>												Delay <sup>2</sup> (secs.)		Level of Service	
			Northbound			Southbound			Eastbound			Westbound			AM	PM	AM	PM
			L	T	R	L	T	R	L	T	R	L	T	R				
1	Indian St / Cactus Av																	
	2021 Without Project:																	
	Without Improvements	TS	1	2	0	1	2	0	1	2	0	1	2	0	31.7	32.8	C	C
	With Improvements		Not Applicable															
	2021 With Project:																	
Without Improvements	TS	1	2	0	1	2	0	1	2	0	1	2	0	<b>37.6</b>	<b>37.3</b>	<b>D</b>	<b>D</b>	
With Improvements	TS	1	2	0	1	2	0	1	2	<u>1</u>	1	2	0	32.5	26.9	C	C	
3	Indian St / Gentian Av																	
	2021 Without Project:																	
	Without Improvements	CSS	0	1	0	0	1	0	1	<u>1</u>	<u>0</u>	0	<u>1</u>	0	30.7	20.2	D	C
	With Improvements		Not Applicable															
	2021 With Project:																	
Without Improvements	CSS	0	1	0	0	1	0	1	0	1	0	0	0	<b>36.5</b>	23.1	<b>E</b>	C	
With Improvements	CSS	<u>1</u>	<u>2</u>	0	<u>1</u>	<u>2</u>	0	1	<u>1</u>	<u>0</u>	0	<u>1</u>	0	18.1	17.5	C	C	
12	Perris Bl / Santiago Dr																	
	2021 Without Project:																	
	Without Improvements	CSS	1	3	0	1	3	0	0	1	d	0	1	d	>100.0	>100.0	<b>F</b>	<b>F</b>
	With Improvements	<u>TS</u>	1	3	0	1	3	0	<u>1</u>	1	<u>0</u>	0	1	d	15.4	26.2	B	C
	2021 With Project:																	
Without Improvements	CSS	1	3	0	1	3	0	0	1	d	0	1	d	>100.0	>100.0	<b>F</b>	<b>F</b>	
With Improvements	<u>TS</u>	1	3	0	1	3	0	<u>1</u>	1	<u>0</u>	0	1	d	18.2	26.9	B	C	

<sup>1</sup> When a right turn is designated, the lane can either be striped or unstriped. To function as a right turn lane there must be sufficient width for right turning vehicles to travel outside the through lanes

L = Left; T = Through; R = Right; > = Right-Turn Overlap Phasing; d= Defacto Right Turn Lane

<sup>2</sup> Per the 2010 Highway Capacity Manual, overall average intersection delay and level of service are shown for intersections with a traffic signal or all way stop control. For intersections with cross street stop control, the delay and level of service for the worst individual movement (or movements sharing a single lane) are shown.

<sup>3</sup> CSS = Cross-street Stop; TS = Traffic Signal

Attachment: Traffic Study (2481 : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL



## 7 REFERENCES

1. **City of Moreno Valley Transportation Engineering Division.** *Traffic Impact Analysis Preparation Guide.* Moreno Valley : s.n., August 2007.
2. **Institute of Transportation Engineers.** *Trip Generation.* 9th Edition. 2012.
3. **Southern California Association of Governments.** *2016 Regional Transportation Plan.* April 2016.
4. **City of Moreno Valley.** *City of Moreno Valley General Plan.* Moreno Valley : s.n., July 11, 2006.
5. **Riverside County Transportation Commission.** *2011 Riverside County Congestion Management Program.* County of Riverside : RCTC, December 14, 2011.
6. **Transportation Research Board.** *Highway Capacity Manual (HCM).* s.l. : National Academy of Sciences, 2010.
7. **Federal Highway Administration.** *Manual on Uniform Traffic Control Devices (MUTCD).* [book auth.] California Department of Transportation. *California Manual on Uniform Traffic Control Devices (CAMUTCD).* 2014.

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Attachment: Traffic Study (2481) : LEGACY PARK PROJECT PROPOSES A GENERAL PLAN AMENDMENT, A CHANGE OF ZONE, CONDITIONAL



## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Marshall Eyerman, Chief Financial Officer

**AGENDA DATE:** March 21, 2017

**TITLE:** PUBLIC HEARING TO APPROVE CDBG, HOME, AND ESG PROJECTS SELECTIONS FOR INCLUSION IN FY 2017-18 ANNUAL ACTION PLAN

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### **RECOMMENDED ACTION**

#### **Recommendations: That the City Council:**

1. Conduct a Public Hearing for the Community Development Block Grant (CDBG), HOME Investment Partnership (HOME) and Emergency Solutions Grant (ESG) Programs to allow the public an opportunity to comment on the proposed project selections for Fiscal Year (FY) 2017/18 Annual Action Plan.
2. Approve the recommended projects for inclusion in the Annual Action Plan (FY 2017/18) as an application to the U.S. Department of Housing and Urban Development for funding under the federal CDBG, HOME and ESG programs.
3. Authorize the Chief Financial Officer to amend the City's Budget to include the allocations in the FY 2017/18 Action Plan.

### **SUMMARY**

Every year, the City is required to submit an Annual Action Plan to the U.S. Department of Housing and Urban Development (HUD). The Annual Action Plan identifies how the CDBG, HOME and ESG Program funds will be utilized to provide programs and projects that benefit low and moderate-income households and neighborhoods. It serves as the City's official grant application to HUD and must be submitted by May 17, 2017. The activities recommended for inclusion in the 2017/18 Annual Action Plan for CDBG, HOME and ESG are summarized in Attachment 1. Staff recommends that the City Council conduct a public hearing and approve the proposed project selections for inclusion in the Plan and submittal to HUD.

## **DISCUSSION**

The Annual Action Plan proposed for Council consideration specifically identifies how Moreno Valley will allocate CDBG, HOME and ESG funds for the upcoming year. The 2017/18 Action Plan serves as the fifth annual update to the City's approved five-year Consolidated Plan (2013-2018). Tonight's Public Hearing represents one of the Public Hearing in a series of meetings conducted under the City's Action Plan schedule. The City Council established CDBG funding priorities at the February 7, 2017 meeting. The first review of the initial funding recommendations occurred on February 28, 2017 at the City's Finance Subcommittee Meeting. The following provides a summary of the events that have occurred during the application process to date:

- December 7, 2016 Finance Subcommittee Meeting held to introduce the Action Plan Schedule
- January 2, 2017 Publication of NOFA in the Press-Enterprise
- January 3, 2017 Notification of Notice of Funding Available (NOFA) posted by City Clerk in various satellite locations
- January 5, 2017 Application sent by email to interested parties  
Application made available on City website
- January 13, 2017 In-Person Application Workshop held;  
On-line Application Workshop also available
- January 30, 2017 Application submittal deadline
- February 7, 2017 City Council Public Hearing to review Policies and Objectives and to collect community needs and comments
- February 14, 2017 Technical Review Committee Meeting held for applicants to provide application summaries
- February 22-23, 2017 Finance Subcommittee Members updated on application process
- February 28, 2017 Finance Subcommittee received initial funding recommendations made by the Technical Review Committee and heard public comments

### **Community Development Block Grant (CDBG) – Grant Purpose**

The Community Development Block Grant (CDBG) Program is authorized by Title I of the Housing and Community Development Act of 1974, as amended. The primary objective of the CDBG program is to develop viable urban communities by providing decent housing, a suitable living environment, and expanded economic opportunities, principally for persons of low and moderate income.

The CDBG objective is to be achieved in two ways: First, a grantee can only use funds to assist eligible activities that meet one of three national objectives of the program:

- Benefit low- and moderate-income persons,
- Aid in the prevention or elimination of slums and blight, or
- Meet community development needs having a particular urgency.

Second, at least 70 percent of funds must be spent (over a period of up to 3 years) for activities that address the national objective of benefiting low- and moderate-income persons.

### Community Development Block Grant (CDBG) – Funding and Limitations

Anticipated Fiscal Year 2017/2018 Allocation	Funding Allocation
Planning and Administration Cap (20% of annual grant)	\$386,552.40
Public Services Cap (15% of annual grant)	289,914.30
Available for Other Activities (65% of annual grant)	1,256,295.30
<b>TOTAL Allocation</b>	<b>\$1,932,762.00</b>

\*The City will have approximately \$385,000 of prior-year uncommitted funds to utilize on non-public service activities

### HOME Investment Partnership (HOME) – Grant Purpose

The Home Investment Partnership Program was established by the Title II of the Cranston-Gonzalez National Affordable Housing Act. The objectives of the HOME Program include:

- Expanding the supply of decent and affordable housing, particularly housing for low- and very low-income Americans;
- Strengthening the abilities of State and local governments to design and implement strategies for achieving adequate supplies of decent, affordable housing;
- Providing financial and technical assistance to participating jurisdictions, including the development of model programs for affordable low-income housing; and
- Extending and strengthening partnerships among all levels of government and the private sector, including for-profit and non-profit organizations, in the production and operation of affordable housing.

### HOME Investment Partnership (HOME) – Funding and Limitations

Anticipated Fiscal Year 2017/2018 Allocation	Funding Allocation
Planning and Administration Cap (10% of annual grant)	\$52,729.80
Mandatory CHDO set-aside (15% of annual grant)	79,094.70

Available for Other Activities	395,473.50
<b>TOTAL Allocation</b>	<b>\$527,298.00</b>

### Emergency Solutions Grant (ESG) – Grant Purpose

The ESG program is issued to assist, protect, and improve living conditions for the homeless. The program provides funding to:

- Engage homeless individuals and families living on the street;
- Improve the number and quality of emergency shelters for homeless individuals and families;
- Help operate these shelters;
- Provide essential services to shelter residents,
- Rapidly re-house homeless individuals and families, and
- Prevent families/individuals from becoming homeless.

### Emergency Solutions Grant (ESG) – Funding and Limitations

Anticipated Fiscal Year 2017/2018 Allocation	Funding Allocation
Planning and Administration Cap (7.5% of annual grant)	\$13,638.90
Available for Other Activities	168,213.10
<b>TOTAL ALLOCATION OF ESG FUNDS</b>	<b>\$181,852.00</b>

For your review, a summary of application, funding request, and activities recommended under all programs is summarized in Attachment 1.

### ALTERNATIVES

The Council has the following alternatives:

1. Conduct a public hearing, provide City Council modifications to the project allocations, approve the recommended actions and adopt the Annual Action Plan. *Staff recommends this alternative as it will allow the grant funds to be allocated and approved within HUDs requirements.*
2. Do not conduct a public hearing providing the public with an opportunity to comment on the proposed Annual Action Plan, and NOT approve project allocations. *Staff does not recommend this alternative as it will not allow the grant funds to be allocated and approved within HUDs requirements.*

### FISCAL IMPACT



Expenses for these programs are reimbursed by the Federal grants. The ESG program requires a 100% match which will be met by the City's ESG subrecipients. Based on the recommended actions, there is no impact to the General Fund. Budget appropriations are as follows upon approval of the recommended actions.

Description	Fund / Account	Type (Rev/Exp)	FY 17/18 Proposed Budget
Receipt of Grant	CDBG – Fund 2512	Rev	\$2,317,762
Administration	CDBG – Fund 2512	Exp	386,552
Public Services	CDBG – Fund 2512	Exp	289,914
Code Compliance	CDBG – Fund 2512	Exp	339,400
Rehabilitation	CDBG – Fund 2512	Exp	60,000
Econ. Development	CDBG – Fund 2512	Exp	50,000
Public Facilities	CDBG – Fund 2512	Exp	1,191,895
Receipt of Grant	Home – Fund 2506	Rev	527,298
Administration	Home – Fund 2506	Exp	52,730
CHDO	Home – Fund 2506	Exp	79,095
Programs	Home – Fund 2506	Exp	395,473
Receipt of Grant	ESG – Fund 2514	Rev.	181,852
Administration	ESG – Fund 2514	Exp.	13,639
Programs	ESG – Fund 2514	Exp.	168,213

## **NOTIFICATION**

Notice of this meeting was published in the Press-Enterprise newspaper on March 7, 2017. Additional notification was available through the City's website and directly e-mailed to those who applied for funding and are on our interest list.

## **PREPARATION OF STAFF REPORT**

Prepared By:  
Isa Rojas  
Management Analyst

Department Head Approval:  
Marshall Eyerman  
Chief Financial Officer

Concurred By:  
Dena Heald  
Financial Operations Division Manager

## **CITY COUNCIL GOALS**

**Community Image, Neighborhood Pride and Cleanliness**. Promote a sense of community pride and foster an excellent image about our City by developing and executing programs which will result in quality development, enhanced neighborhood preservation efforts, including home rehabilitation and neighborhood restoration.

**CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

**ATTACHMENTS**

- 1. Att 1 Funding Recommendations
- 2. Att 2 Eligible & Ineligible Grant Activities.doc
- 3. Att 3 Income Limits
- 4. Att 4 CDBG\_Target\_Areas Map 2017

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	3/02/17 8:23 AM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 10:00 AM
City Manager Approval	<u>✓ Approved</u>	3/08/17 3:38 PM



# City of Moreno Valley

**COMMUNITY DEVELOPMENT BLOCK GRANT (CDBG)  
HOME INVESTMENT PARTNERSHIP (HOME)  
EMERGENCY SOLUTIONS GRANT (ESG)**

**FISCAL YEAR 2017/2018**

**Public Hearing  
March 21, 2017**

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Attachment: Att 1 Funding Recommendations [Revision 3] (2471 : PUBLIC HEARING TO APPROVE CDBG, HOME, AND ESG PROJECTS

## I. OVERVIEW

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Historically, the City of Moreno Valley (the “City”) has received federal funding on an annual basis from the Department of Housing and Urban Development (HUD) for two formula block grant programs: Community Development Block Grant (CDBG) and HOME Investment Partnerships (HOME). Since Program Year 2014/15, the City has become a direct recipient of Emergency Solutions Grant (ESG) program funds.

Descriptions of each formula block program (HOME, ESG and CDBG) can be found in Sections II, III, and IV of this report.

The following subsections provide an overview of the Five-Year Consolidated Plan, The Citizen Participation Plan, The One-Year Action Plan and the FY2017-18 Application Process and Review.

### The Five-Year Consolidated Plan

Every five years, the City of Moreno Valley prepares a Five-Year Consolidated Plan, which describes community needs, resources, priorities, and proposed activities to be undertaken under certain HUD programs, including CDBG and Home Investment Partnerships (HOME).

The Consolidated Plan for Program Years 2013 through 2018, outline the following goals and strategies:

- Homeless Strategy
- Special Needs Strategy
- Housing Strategy
- Community & Economic Development Strategy

A copy of the City’s Consolidated Plan is available for inspection at the Financial & Management Services Department during normal business hours.

### The Citizen Participation Plan

The City has developed a Citizen Participation Plan as a part of the Five-Year Consolidated Plan that sets forth the policies and procedures to encourage citizen’s participation in the CDBG, HOME and ESG Program planning and implementation processes. This Citizen Participation Plan provides the method and process by which the City will encourage citizen participation in the development of its Consolidated Plan.

A copy of the City’s Citizen Participation Plan is available for inspection at the Financial & Management Services Department during normal business hours.

## The One-Year Action Plan

Each year in May, the City of Moreno Valley is required to submit an update to the Consolidated Plan to HUD, referred to as an Action Plan. The Action Plan outlines the specific steps that will be taken during the year to address both the community development and housing priorities of the Consolidated Plan. The Action Plan identifies how the CDBG, HOME and ESG Program funds will be utilized to provide programs and projects that benefit low and moderate-income households and neighborhoods.

A copy of the City's One-Year Action Plan for prior program years is available for inspection at the Financial & Management Services Department during normal business hours.

## Fiscal Year 2017-18 Proposed HOME, ESG and CDBG Objectives and Policies

The City's Objectives for the HOME, ESG and CDBG programs are summarized below (*listed alphabetically*) and additional detail can be found in the application booklet:

- Capital Improvement Activities
- Economic Development Activities
- Fair Housing Activities
- Health, Safety, and Public Welfare
- Historic Preservation
- Homeless/Homeless Prevention Activities
- Housing and Neighborhood Improvement Activities
- Public Service Activities
  1. Basic Needs Related to Social Services Programs (such as but not limited to emergency food, shelter (homelessness), and utility assistance)
  2. Community Public Safety Programs
  3. Programs offering Low-Cost Transportation
  4. Employment Services/Programs and Job (Skills) Training
  5. Free/Low-Cost programs for School-Aged Youth
- Slum or Blight Activities

## FY2017-18 Application Process and Review

On January 2, 2017, the City published Notice of Funding Availability (NOFA) for Fiscal Year 2017/2018 Application for Funding for Community Development Block Grant (CDBG), Home Investment Partnership (HOME) and Emergency Solutions Grant (ESG). According to the application guidelines, interested parties were informed to submit their completed applications by January 30, 2017, 5:00 pm. Programs and projects seeking



funding from the City of Moreno Valley must address one or more of the Community Development Priorities set forth in the Five-Year Consolidated Plan, in addition to meeting all other conditions as summarized in the Application booklet. A copy of the application booklet which provides additional information on the City's objectives and policies can be found on the City's website.

The City received thirty-four (34) applications requesting a total \$3,017,275.

As part of the application process in preparation of the One-Year Action Plan, the City has contracted Willdan Financial Services ("Willdan") to collaborate with City Staff as the Technical Review Committee for the CDBG, HOME, and ESG application proposals. On February 13, 2017, the Technical Review Committee reviewed the preliminary results and City staff provided input regarding return applicant's prior performance in terms of meeting their established goals, expenditure and administrative requirements. On February 14, 2017, the City Staff held an "Open Technical Review Meeting" to provide applicants an opportunity to explain their programs in person and for the Technical Review Committee to ask applicants questions directly. The information provided in the completed application packet and during the Open Technical Review Meeting was considered to evaluate and score each applicant in accordance with the evaluation guidelines described in the application booklet.

The Technical Review Committee's preliminary recommendations were presented at a Public Meeting held on February 28, 2017 during the City's Finance Subcommittee. The following subsequent sections of this report contain the current proposed project selections for Fiscal Year 2017/2018.

In line with the City's policies and objectives, the final project selections will be made by the City Council via Public Hearing and according to the Citizen's Participation Plan. The specific funding allocations will be compiled into the Annual Action Plan which must be submitted to HUD 45 days before the beginning of the program year. Following HUD's approval, the program year begins on July 1 and ends on June 30 of the following year.

## II. Home Investment Partnerships Program (HOME) - \$527,298

### Grant Purpose

The Home Investment Partnerships Program was established by the Title II of the Cranston-Gonzalez National Affordable Housing Act. The objectives of the HOME Program include:

- expanding the supply of decent and affordable housing, particularly housing for low- and very low-income Americans;
- strengthening the abilities of State and local governments to design and implement strategies for achieving adequate supplies of decent, affordable housing;
- providing financial and technical assistance to participating jurisdictions, including the development of model programs for affordable low-income housing; and
- extending and strengthening partnerships among all levels of government and the private sector, including for-profit and non-profit organizations, in the production and operation of affordable housing.

### Funding

Fiscal Year 2017-2018 Allocation	HOME
Planning and Administration Cap (10% of annual grant)	\$52,729.80
Mandatory CHDO set-aside (15% of annual grant)	79,094.70
Available for Other Activities	395,473.50
<b>TOTAL Allocation</b>	<b>\$527,298.00</b>

### Applications

Habitat for Humanity was the only application submitted to be funded with HOME.

### Recommendations

Habitat for Humanity is a returning applicant with good performance. Their application was scored accordingly, and the funding recommendation is for the full request of \$120,000.

**City of Moreno Valley**  
**Fiscal Year 2017/18**  
 Application Review  
 Home Investment Partnership (HOME)

App. No.	Applicant	Program	Funding	City Priority	FY 16-17 Funding	Funding Requested FY 17-18	Funding Recommended FY 17-18	Total # Persons/Units Served	MV # Persons/Units Served	Funding Requested Per Person/Unit <sup>(1)</sup>
1	Habitat for Humanity Riverside	Mobile HOME Repair Program (A Brush with Kindness Critical HOME Repair Program)	HOME	Housing and Neighborhood Improvement Activities	\$120,000	\$120,000	\$120,000	8 households	8 households	\$15000 per household
<b>Totals</b>					<b>\$120,000</b>	<b>\$120,000</b>	<b>\$120,000</b>			

### III. Emergency Solutions Grants (ESG) - \$181,852

#### Grant Purpose

The Homeless Emergency Assistance and Rapid Transition to Housing Act of 2009 (HEARTH Act) amended the McKinney-Vento Homeless Assistance Act, revising the Emergency Shelter Grants Program in significant ways and renaming it the Emergency Solutions Grants program. The ESG program is new to the City. The recent switch to use of American Community Survey (ACS) data to calculate HUD allocations made Moreno Valley eligible to receive ESG funds.

The ESG program is issued to assist, protect, and improve living conditions for the homeless. The program provides funding to:

- engage homeless individuals and families living on the street;
- improve the number and quality of emergency shelters for homeless individuals and families;
- help operate these shelters;
- provide essential services to shelter residents,
- rapidly re-house homeless individuals and families, and
- prevent families/individuals from becoming homeless

#### Funding

Fiscal Year 2017-2018 Allocation	ESG
Planning and Administration Cap (7.5% of annual grant)	\$13,638.90
Available for Other Activities	168,213.10
<b>TOTAL Allocation</b>	<b>\$181,852.00</b>

#### Applications

The City received three (3) ESG applications requesting a total of \$240,000 in ESG, exceeding the available funds by \$71,786.90. During the review process, the CDBG application for Catholic Charities was considered and moved from CDBG to ESG.

#### Recommendations

Funding is being recommended for the Fiscal Year 2016-17 returning applicants, PW Enhancement, Catholic Charities, and United States Veterans Initiative. The City also plans to continue the existing agreement with the County of Riverside for HMIS services (\$5,000).

**City of Moreno Valley**  
**Fiscal Year 2017/18**  
 Application Review  
 Emergency Solutions Grant (ESG)

App. No.	Applicant	Program	Funding	City Priority	FY 16-17 Funding	Funding Requested FY 17-18	Funding Recommended FY 17-18	ESG Street Outreach Budget	ESG Rapid Rehousing Budget	ESG Homelessness Prevention Budget	ESG Emergency Shelter Budget
n/a	County of Riverside	Homeless Management Information System (HMIS)	ESG	n/a	\$5,000	\$0	\$5,000				
4	United States Veteran's Initiative	United States Veterans Initiative Rapid Re-Housing and Homeless Prevention Community Emergency Outreach:	ESG	Homeless/Homeless Prevention Activities	\$15,000	\$90,000	\$63,213	\$0	\$40,000	\$50,000	\$0
3	PW Enhancement Center	Homeless Prevention/Rapid Rehousing Program	ESG	Homeless/Homeless Prevention Activities	\$80,213	\$75,000	\$50,000	\$0	\$0	\$32,674	\$42,326
2	Health to Hope Clinics	Case Managements Expansion (Expanded Services for Homeless)	ESG	Homeless/Homeless Prevention Activities	\$0	\$75,000	\$0	\$75,000	\$0	\$0	\$0
8	Catholic Charities San Bernardino & Riverside Counties	Casework Services Program	ESG	Homeless/Homeless Prevention Activities	\$68,000	\$50,000	\$50,000	\$0	\$25,000	\$25,000	\$0
<b>Totals</b>					<b>\$168,213</b>	<b>\$290,000</b>	<b>\$168,213</b>				

## IV. Community Development Block Grant (CDBG) - \$1,932,762

### Grant Purpose

The Community Development Block Grant (CDBG) Program is authorized by Title I of the Housing and Community Development Act of 1974, as amended. The primary objective of the CDBG program is to develop viable urban communities by providing decent housing, a suitable living environment, and expanded economic opportunities, principally for persons of low and moderate income.

The CDBG objective is to be achieved in two ways:

First, a grantee can only use funds to assist eligible activities that meet one of three national objectives of the program:

- benefit low- and moderate-income persons,
- aid in the prevention or elimination of slums and blight, or
- meet community development needs having a particular urgency.

Second, at least 70 percent of funds must be spent (over a period of up to 3 years) for activities that address the national objective of benefiting low- and moderate-income persons.

### Funding and Limitations

Fiscal Year 2017-2018 Allocation	CDBG
Planning and Administration Cap (20% of annual grant)	\$386,552.40
Public Services Cap (15% of annual grant)	289,914.30
Available for Other Activities (65% of annual grant)	1,256,295.30*
<b>TOTAL Allocation</b>	<b>\$1,932,762.00**</b>

*\*The City may utilize prior-year uncommitted funds towards non-public service activities*

*\*\*Contingent to final confirmation of pending award from HUD and confirmation of pending program income.*

### CDBG Public Service – Limited to 15%

According to the CDBG regulations, the amount of CDBG funds obligated within a program year to support public service activities may not exceed 15% of the annual program allocation. As a result, the City's Public Service projects for program year 17-18 is limited to **\$289,914.30**.

There were a total of \$1,023,233 public service applications received, exceeding the cap by \$733,318.70. Priority was provided to returning applicants with good performance within the respective public service category. During the review process, the funding request of \$61,000 for Catholic Charities was considered and moved from CDBG to ESG.



As reference, the City's Public Service priority ranking as approved by the Council is recapped below:

**Priority 1:** Basic Needs Related Social Services Programs (such as but not limited to emergency food, shelter (homelessness), and utility assistance)

**Priority 2:** Community Public Safety Programs

**Priority 3:** Programs offering Low-Cost Transportation

**Priority 4:** Employment Services/Programs and Job (Skills) Training

**Priority 5:** Free/Low-Cost programs for School-Aged Youth

**City of Moreno Valley**  
**Fiscal Year 2017/18**  
Application Review  
Community Development Block Grant (CDBG)  
**Public Service**

App. No.	Applicant	Program	Funding	Funding Type	City Priority	Public Service Priority	FY 16-17 Funding	Funding Requested FY 17-18	Funding Recommended FY 17-18
<b>(1) Public Service - Basic Needs</b>									
23	The Salvation Army	Social Service - Food Pantry	CDBG	Public Service (Food Banks)	Public Service	(1) Basic Needs (Food Pantry)	\$0	\$10,000	\$10,000
12	Family Services Association (FSA)	FSA More Than a Meal	CDBG	Public Service (Senior Services)	Public Service	(1) Basic Needs (Case Management for Food Program)	\$10,000	\$15,000	\$10,000
9	Community Assistance Program	Community Assistance Program (CAP)	CDBG	Public Service (Food Banks)	Public Service	(1) Basic Needs (Food Pantry)	\$15,000	\$32,705	\$15,000
5	Al Rahma, Inc.	Al Rahma Food Bank	CDBG	Public Service (Food Banks)	Public Service	(1) Basic Needs (Food Pantry)	\$0	\$45,000	\$15,000
18	Operation SafeHouse, Inc.	Operation SafeHouse Emergency Shelter for Youth	CDBG	Public Service (Services for Abused and Neglected Children)	Public Service	(1) Basic Needs (Homelessness Services)	\$0	\$15,000	\$10,000
24	United States Veteran's Initiative	CHAMPS, Long Term Supportive Housing, & Emergency Shelter Program	CDBG	Public Service (Other)	Public Service	(1) Basic Needs (Homelessness Services)	\$15,000 CDBG \$15,000 ESG	\$130,650	\$0
19	Path of Life Ministries	Mobile Intervention Team (Homeless Services)	CDBG	Public Service (Other)	Public Service	(1) Basic Needs (Homelessness Services)	\$0	\$10,000	\$0
16	Health to Hope Clinics	Primary Care for the Homeless	CDBG	Public Service (Health Services)	Public Service	(1) Basic Needs (Homelessness Services)	\$0	\$58,600	\$0
22	The Hole in Wall, Inc.	Community Homeless Solutions	CDBG	Public Service (Other)	Public Service	(1) Basic Needs (Homelessness Services)	\$0	\$25,000	\$10,000
<b>(2) Public Service - Community Safety Program</b>									
31	Moreno Valley Police Department	Betterment Through Community Based Policing & Holiday Cheer	CDBG	Public Service (Crime Awareness/Prevention)	Public Service	(2) Community Public Safety Programs	\$54,000	\$321,000	\$56,789

**City of Moreno Valley**  
**Fiscal Year 2017/18**  
Application Review  
Community Development Block Grant (CDBG)  
**Public Service**

App. No.	Applicant	Program	Funding	Funding Type	City Priority	Public Service Priority	FY 16-17 Funding	Funding Requested FY 17-18	Funding Recommended FY 17-18
<b>(3) Public Service - Low Cost Transportation</b>									
13	Friends of Moreno Valley Senior Center, Inc.	The "Mo-Van" Senior Transportation Program	CDBG	Public Service (Senior Services)	Public Service	(3) Low-Cost Transportation	\$35,000	\$35,000	\$35,000
<b>(4) Public Service - Employment Services/Programs and Job (Skills) Training</b>									
27	City of Moreno Valley Employee Resource Center	City of Moreno Valley Employee Resource Center	CDBG	Public Service (Employment Training)	Public Service	(4) Employment Services/Programs and Job (Skills) Training	\$66,000	\$66,000	\$66,000
<b>(5) Public Service - Free/Low-Cost Programs for School-Aged Youth</b>									
6	Assistance League of Riverside	Snack Attack	CDBG	Public Service (Youth Services)	Public Service	(5) Free/Low-Cost programs for School-Aged Youth	\$0	\$10,000	\$0
7	Boys & Girls Club of Greater Redlands-Riverside	Expansion of Service Hours at Casitas del Valle site	CDBG	Public Service (Youth Services)	Public Service	(5) Free/Low-Cost programs for School-Aged Youth	\$0	\$30,000	\$0
25	Voices for Children	Court Appointed Special Advocate (CASA) Program	CDBG	Public Service (Services for Abused and Neglected Children)	Public Service	(5) Free/Low-Cost programs for School-Aged Youth	\$25,000	\$25,000	\$25,000
21	Riverside Area Rape Crisis Center	Child Abuse Prevention Program	CDBG	Public Service (Services for Abused and Neglected Children)	Public Service	(5) Free/Low-Cost programs for School-Aged Youth	\$10,000	\$10,000	\$10,000
17	Music Changing Lives	Changing Lives Showcase	CDBG	Public Service (Youth Services)	Public Service	(5) Free/Low-Cost programs for School-Aged Youth	\$0	\$51,238	\$0

**City of Moreno Valley**  
**Fiscal Year 2017/18**  
 Application Review  
 Community Development Block Grant (CDBG)  
**Public Service**

App. No.	Applicant	Program	Funding	Funding Type	City Priority	Public Service Priority	FY 16-17 Funding	Funding Requested FY 17-18	Funding Recommended FY 17-18
<b>(6) Public Service - Other</b>									
	Fair Housing Council of Riverside 10 County, Inc.	Fair Housing Discrimination Services	CDBG	Public Service (Fair Housing Activities)	Public Service	Fair Housing	\$31,595	\$32,748	\$32,748
	Fair Housing Council of Riverside 11 County, Inc.	Fair Housing Landlord/Tenant Counseling	CDBG	Public Service (Fair Housing Activities)	Public Service	Fair Housing	\$17,937	\$18,377	\$18,377
	Quinn Community Outreach Corp. 20 (QCOC)	Reducing Diabetes Disparities through Education & Management	CDBG	Public Service (Health Services/Senior Services)	Public Service	n/a	\$0	\$20,915	\$0
<b>Totals</b>							<b>\$294,532</b>	<b>\$962,233</b>	<b>\$313,914*</b>

\*Contingent to final confirmation of pending award from HUD and confirmation of pending program income

### **CDBG Other Activities - 65% (Remaining Allocation)**

After taking into account the limitations for CDBG Administration and Public Service Activities, the remaining allocation available to fund other activities was **\$1,256,295.30**. There was a total of \$1,645,042 for applications received for other activities, exceeding the Fiscal Year 2017/18 allocation by \$388,746.70. The City also plans to continue the existing agreement with the University Enterprises Corporation at CSUSB / Inland Empire SBDC (\$50,000).

The City anticipates that approximately \$385,000 of prior-year uncommitted funds will be available and can be utilized to decrease the funding deficit for these type of activities.

**City of Moreno Valley**  
**Fiscal Year 2017/18**  
 Application Review  
 Community Development Block Grant (CDBG)  
**Other-65% Funding**

App. No.	Applicant	Program	Funding	Funding Type	City Priority	FY 16-17 Funding	Funding Requested FY 17-18	Funding Recommended FY 17-18
<b>Housing and Neighborhood Improvement Activities</b>								
14	GRID Alternatives	City of Moreno Valley Lo Income Solar Energy Assistance Program	CDBG	Rehabilitation: Single Unit Residential	Housing and Neighborhood Improvement Activities	\$24,000	\$50,000	\$50,000
15	Habitat for Humanity Riverside	A Brush with Kindness	CDBG	Rehabilitation: Single Unit Residential	Housing and Neighborhood Improvement Activities	\$0	\$10,000	\$10,000
<b>Health, Safety and Public Welfare</b>								
26	City of Moreno Valley Community Development Department	Neighborhood Code Enforcement / Rental Property	CDBG	Code Enforcement	Health, Safety and Public Welfare	\$339,400	\$339,400	\$339,400
<b>Capital Improvements</b>								
32	City of Moreno Valley Public Works Department	Cycle 7 ADA Pedestrian Access Ramps	CDBG	Public Facilities and Improvements	Capital Improvements	\$375,000	\$700,000	\$646,253
33	City of Moreno Valley Public Works Department	Graham Street Bridge over SR-60	CDBG	Public Facilities and Improvements	Capital Improvements	\$0	\$200,000	\$200,000
34	City of Moreno Valley Public Works Department	Liberty Lane Improvement	CDBG	Public Facilities and Improvements	Capital Improvements	\$0	\$50,000	\$50,000
29	City of Moreno Valley Parks & Community Services Department	ADA Drinking Fountains in City Parks	CDBG	Public Facilities and Improvements	Capital Improvements	\$0	\$50,000	\$50,000
30	City of Moreno Valley Parks & Community Services Department	CRC - ADA Compliant Flooring Improvements	CDBG	Public Facilities and Improvements	Capital Improvements	\$0	\$15,000	\$15,000
28	City of Moreno Valley Senior Center	ADA Improvement at the Senior Center	CDBG	Public Facilities and Improvements	Capital Improvements	\$0	\$230,642	\$230,642
<b>Economic Development Activities</b>								
n/a	University Enterprises Corporation at CSUSB / Inland Empire SBDC	Inland Empire Small Business Development Center Technical Assistance	CDBG	Economic Development	Economic Development Activities	\$50,000		\$50,000
<b>Totals</b>						<b>\$738,400</b>	<b>\$1,645,042</b>	<b>\$1,641,295</b>



## V. Fiscal Year 2017/18 Applicants Summary Listing

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A summary listing of all Fiscal Year 2017/18 applicants can be found in the next two pages.

**City of Moreno Valley**  
**Fiscal Year 2017/18**  
Application Review  
Community Development Block Grant (CDBG)  
Home Investment Partnership (HOME)  
Emergency Solutions Grant (ESG)

App. No.	Applicant	Program	Funding	Funding Type	City Priority	Public Service Priority	FY 16-17 Funding	Funding Requested FY 17-18	Funding Recommended FY 17-18
1	Habitat for Humanity Riverside	Mobile HOME Repair Program (A Brush with Kindness Critical HOME Repair Program)	HOME	n/a	Housing and Neighborhood Improvement Activities	n/a	\$120,000	\$120,000	\$120,000
2	Health to Hope Clinics	Case Managements Expansion (Expanded Services for Homeless)	ESG	n/a	Homeless/Homeless Prevention Activities	n/a	\$0	\$75,000	\$0
3	PW Enhancement Center	Community Emergency Outreach: Homeless Prevention/Rapid Rehousing Program	ESG	n/a	Homeless/Homeless Prevention Activities	n/a	\$80,213	\$75,000	\$50,000
4	United States Veteran's Initiative	United States Veterans Initiative Rapid Re-Housing and Homeless Prevention	ESG	n/a	Homeless/Homeless Prevention Activities	n/a	\$15,000	\$90,000	\$63,213
5	Al Rahma, Inc.	Al Rahma Food Bank	CDBG	Public Service (Food Banks)	Public Service	(1) Basic Needs (Food Pantry)	\$0	\$45,000	\$15,000
6	Assistance League of Riverside	Snack Attack	CDBG	Public Service (Youth Services)	Public Service	(5) Free/Low-Cost programs for School-Aged Youth	\$0	\$10,000	\$0
7	Boys & Girls Club of Greater Redlands-Riverside	Expansion of Service Hours at Casitas del Valle site	CDBG	Public Service (Youth Services)	Public Service	(5) Free/Low-Cost programs for School-Aged Youth	\$0	\$30,000	\$0
8	Catholic Charities San Bernardino & Riverside Counties	Casework Services Program	ESG	n/a	Homeless/Homeless Prevention Activities	n/a	\$68,000	\$50,000	\$50,000
9	Community Assistance Program	Community Assistance Program (CAP)	CDBG	Public Service (Food Banks)	Public Service	(1) Basic Needs (Food Pantry)	\$15,000	\$32,705	\$15,000
10	Fair Housing Council of Riverside County, Inc.	Fair Housing Discrimination Services	CDBG	Public Service (Fair Housing Activities)	Public Service	Fair Housing	\$31,595	\$32,748	\$32,748
11	Fair Housing Council of Riverside County, Inc.	Fair Housing Landlord/Tenant Counseling	CDBG	Public Service (Fair Housing Activities)	Public Service	Fair Housing	\$17,937	\$18,377	\$18,377
12	Family Services Association (FSA)	FSA More Than a Meal	CDBG	Public Service (Senior Services)	Public Service	(1) Basic Needs (Case Management for Food Program)	\$10,000	\$15,000	\$10,000
13	Friends of Moreno Valley Senior Center, Inc.	The "Mo-Van" Senior Transportation Program	CDBG	Public Service (Senior Services)	Public Service	(3) Low-Cost Transportation	\$35,000	\$35,000	\$35,000
14	GRID Alternatives	City of Moreno Valley Lo Income Solar Energy Assistance Program	CDBG	Rehabilitation: Single Unit Residential	Housing and Neighborhood Improvement Activities	n/a	\$24,000	\$50,000	\$50,000
15	Habitat for Humanity Riverside	A Brush with Kindness	CDBG	Rehabilitation: Single Unit Residential	Housing and Neighborhood Improvement Activities	n/a	\$0	\$10,000	\$10,000
16	Health to Hope Clinics	Primary Care for the Homeless	CDBG	Public Service (Health Services)	Public Service	(1) Basic Needs (Homelessness Services)	\$0	\$58,600	\$0
17	Music Changing Lives	Changing Lives Showcase	CDBG	Public Service (Youth Services)	Public Service	(5) Free/Low-Cost programs for School-Aged Youth	\$0	\$51,238	\$0
18	Operation SafeHouse, Inc.	Operation SafeHouse Emergency Shelter for Youth	CDBG	Public Service (Services for Abused and Neglected Children)	Public Service	(1) Basic Needs (Homelessness Services)	\$0	\$15,000	\$10,000

**City of Moreno Valley**  
**Fiscal Year 2017/18**  
Application Review  
Community Development Block Grant (CDBG)  
Home Investment Partnership (HOME)  
Emergency Solutions Grant (ESG)

App. No.	Applicant	Program	Funding	Funding Type	City Priority	Public Service Priority	FY 16-17 Funding	Funding Requested FY 17-18	Funding Recommended FY 17-18
19	Path of Life Ministries	Mobile Intervention Team (Homeless Services)	CDBG	Public Service (Other)	Public Service	(1) Basic Needs (Homelessness Services)	\$0	\$10,000	\$0
20	Quinn Community Outreach Corp. (QCOC)	Reducing Diabetes Disparities through Education & Management	CDBG	Public Service (Health Services/Senior Services)	Public Service	n/a	\$0	\$20,915	\$0
21	Riverside Area Rape Crisis Center	Child Abuse Prevention Program	CDBG	Public Service (Services for Abused and Neglected Children)	Public Service	(5) Free/Low-Cost programs for School-Aged Youth	\$10,000	\$10,000	\$10,000
22	The Hole in Wall, Inc.	Community Homeless Solutions	CDBG	Public Service (Other)	Public Service	(1) Basic Needs (Homelessness Services)	\$0	\$25,000	\$10,000
23	The Salvation Army	Social Service - Food Pantry	CDBG	Public Service (Food Banks)	Public Service	(1) Basic Needs (Food Pantry)	\$0	\$10,000	\$10,000
24	United States Veteran's Initiative	CHAMPS, Long Term Supportive Housing, & Emergency Shelter Program	CDBG	Public Service (Other)	Public Service	(1) Basic Needs (Homelessness Services)	\$15,000 CDBG \$15,000 ESG	\$130,650	\$0
25	Voices for Children	Court Appointed Special Advocate (CASA) Program	CDBG	Public Service (Services for Abused and Neglected Children)	Public Service	(5) Free/Low-Cost programs for School-Aged Youth	\$25,000	\$25,000	\$25,000
26	City of Moreno Valley Community Development Department	Neighborhood Code Enforcement / Rental Property	CDBG	Code Enforcement	Health, Safety and Public Welfare	n/a	\$339,400	\$339,400	\$339,400
27	City of Moreno Valley Employee Resource Center	City of Moreno Valley Employee Resource Center	CDBG	Public Service (Employment Training)	Public Service	(4) Employment Services/Programs and Job (Skills) Training	\$66,000	\$66,000	\$66,000
28	City of Moreno Valley Senior Center	ADA Improvement at the Senior Center	CDBG	Public Facilities and Improvements	Capital Improvements	n/a	\$0	\$230,642	\$230,642
29	City of Moreno Valley Parks & Community Services Department	ADA Drinking Fountains in City Parks	CDBG	Public Facilities and Improvements	Capital Improvements	n/a	\$0	\$50,000	\$50,000
30	City of Moreno Valley Parks & Community Services Department	CRC - ADA Compliant Flooring Improvements	CDBG	Public Facilities and Improvements	Capital Improvements	n/a	\$0	\$15,000	\$15,000
31	Moreno Valley Police Department	Betterment Through Community Based Policing & Holiday Cheer	CDBG	Public Service (Crime Awareness/Prevention)	Public Service	(2) Community Public Safety Programs	\$54,000	\$321,000	\$56,789
32	City of Moreno Valley Public Works Department	Cycle 7 ADA Pedestrian Access Ramps	CDBG	Public Facilities and Improvements	Capital Improvements	n/a	\$375,000	\$700,000	\$646,253
33	City of Moreno Valley Public Works Department	Graham Street Bridge over SR-60	CDBG	Public Facilities and Improvements	Capital Improvements	n/a	\$0	\$200,000	\$200,000
34	City of Moreno Valley Public Works Department	Liberty Lane Improvement	CDBG	Public Facilities and Improvements	Capital Improvements	n/a	\$0	\$50,000	\$50,000
n/a	County of Riverside	Homeless Management Information System (HMIS)	ESG				\$5,000		\$5,000
n/a	University Enterprises Corporation at CSUSB / Inland Empire SBDC	Inland Empire Small Business Development Center Technical Assistance	CDBG	Economic Development	Economic Development Activities	n/a	\$50,000		\$50,000
<b>Totals</b>							<b>\$1,371,145</b>	<b>\$3,017,275</b>	<b>\$2,243,411</b>

contingent to final confirmation of pending award from HUD and confirmation of pending program income

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## VI. Fiscal Year 2017/18 Applicants Program Descriptions

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Applicant's Program Descriptions for each application, as submitted by the applicants, can be found in the subsequent pages.

City of Moreno Valley  
Fiscal Year 2017/18  
Home Investment Partnership (HOME)  
Applicant Program Description

**Application Number:** 1  
**Location in Moreno Valley:** Yes  
**Requested Funding:** HOME

**Applicant:** Habitat for Humanity Riverside  
**Program:** Mobile HOME Repair Program (A Brush with Kindness Critical HOME Repair Program)

**Requested Funding Amount:** \$120,000  
**Total # Person/Unit Served:** 8 households  
**MV # Person/Unit Served:** 8 households  
**Funding per Person/Unit Served:** \$15,000 per household

**Program Description:**

The Mobile Home Repair Program is designed to assist low income (no more than 50% of median HH income) mobile home homeowners in the City of Moreno Valley with interior repairs to address their substandard living conditions. Health and safety issues as well as code violations are addressed first. Exterior issues may also be addressed if they are deemed health & safety related. Repairs will not exceed \$10,000 per household. Habitat Riverside is able to leverage deep relationships with business partners as well as volunteers where applicable to complete the repairs and upgrades while maximizing the impact of the funding available.

Attachment: Att 1 Funding Recommendations [Revision 3] (2471 : PUBLIC HEARING TO APPROVE CDBG, HOME, AND ESG PROJECTS

**City of Moreno Valley**  
Fiscal Year 2017/18  
Emergency Solutions Grant (ESG)  
Applicant Program Description

**Application Number:** 2  
**Location in Moreno Valley:** Yes  
**Requested Funding:** ESG

**Applicant:** Health to Hope Clinics  
**Program:** Case Managements Expansion (Expanded Services for Homeless)

Requested Funding Amount: \$75,000  
Total # Person/Unit Served: 50 people  
MV # Person/Unit Served: 50 people  
Funding per Person/Unit Served: \$1,500 per person

ESG Component	Budget	Individuals to be Served
Street Outreach	\$75,000	50
Rapid Rehousing	0	0
Homelessness Prevention	0	0
Emergency Shelter	0	0
<b>Total</b>	<b>\$75,000</b>	<b>50</b>

**Program Description:**

Health to Hope clinics request \$75,000 to expand case management services to the homeless in the city of Moreno Valley. Urban Community Action Projects is headquartered in Riverside, Ca and operates five (5) service delivery sites: two of which are mobile and serve patients all over Riverside County; three of which are permanent. fixed facilities, located in Riverside, Indio, and Palm Springs. According to the Point-in Time Count (PITC), there are approximately 1351 unsheltered homeless people located in Riverside County. A majority (70%) of these individuals were men (940). 29% of those on the streets are chronically homeless, demonstrating that those who are chronically homeless are more likely to be in the street than in a shelter. 21% of those on the street were recently incarcerated and have nowhere to go. This funding will address the gaps that we see after providing medical services to the homeless. Case managers will be stationed with our outreach and enrollment team connecting the homeless with different resources, such as housing, educational attainment, food pantries, job placement, transportation, showers, shelters as well as other related opportunities. After a patient is seen by our providers, they will be assigned a case manager and will connect with the patient on a consist basis helping them with obtaining resources. During the 1st year, we plan to enroll 50 participants.



**City of Moreno Valley**  
Fiscal Year 2017/18  
Emergency Solutions Grant (ESG)  
Applicant Program Description

**Application Number:** 3  
**Location in Moreno Valley:** Yes  
**Requested Funding:** ESG

**Applicant:** PW Enhancement Center  
**Program:** Community Emergency Outreach: Homeless Prevention/Rapid Rehousing Program

Requested Funding Amount: \$75,000  
Total # Person/Unit Served: 35 people  
MV # Person/Unit Served: 35 people  
Funding per Person/Unit Served: \$2,143 per person

ESG Component	Budget	Individuals to be Served
Street Outreach	\$0	0
Rapid Rehousing	0	0
Homelessness Prevention	32,674	25
Emergency Shelter	42,326	10
<b>Total</b>	<b>\$75,000</b>	<b>35</b>

**Program Description:**

PW Enhancement Center and its partners are seeking to expand its Community Emergency Outreach Program services to nearly 35 of Moreno Valley's most needy and very low income individuals/households. By offering the community a variety of solutions to their most pressing emergency needs, PWEC's mission is to provide supportive services under one roof to help people who are underprivileged, unemployed, homeless, and/or at-risk of becoming homeless. As one of the leading referral agencies of 211, PWEC is highly respected by local government and has earned the community's trust by delivering quality and dignified services for over 20 years. In addition to offering services to all Moreno Valley individuals and families that are very low income (below 30% area median income), the program further targets services to Veterans and Youth. To determine need, experienced Case Managers customize a plan of action for each participant that includes a continuum of services that are aimed at alleviating the various factors that contribute to homelessness. Services offered include:

- Emergency & Essential Services - (for currently homeless) - includes motel vouchers, emergency food and street outreach
- Rapid Rehousing (for currently homeless) - Housing search and placement, rental and utility assistance, moving costs, security deposits, and first month rent)
- Homelessness Prevention (for at-risk homeless) - rental assistance, utility deposits and utility arrears.

**City of Moreno Valley**  
Fiscal Year 2017/18  
Emergency Solutions Grant (ESG)  
Applicant Program Description

**Application Number:** 4  
Location in Moreno Valley: Yes  
Requested Funding: ESG

**Applicant:** United States Veteran's Initiative  
**Program:** United States Veterans Initiative Rapid Re-Housing and Homeless Prevention

Requested Funding Amount: \$90,000  
Total # Person/Unit Served: 75 households  
MV # Person/Unit Served: 75 households  
Funding per Person/Unit Served: \$1,200 per household

ESG Component	Budget	Individuals to be Served
Street Outreach	\$0	0
Rapid Rehousing	40,000	35
Homelessness Prevention	50,000	40
Emergency Shelter	0	0
<b>Total</b>	<b>\$90,000</b>	<b>75</b>

**Program Description:**

United States Veterans Initiative (U.S. VETS) respectfully requests \$90,000 from Moreno Valley's Emergency Solutions Grant (ESG), under its Community Development Block Grant (CDBG) Program to provide Rapid Re-Housing and Homeless Prevention Programs. The total project cost is estimated at \$500,000. The funds under this program are intended to target and service approximately 75 veteran households and their families who would be homeless if not for this assistance. The project will be two-fold in the sense that U.S. VETS will provide Rapid Re-Housing and Homeless Prevention services.

The purpose of rapid re-housing is to serve Individuals and families who are literally homeless. Rapid Re-Housing services will provide Housing Stability Case Management services that will include, but are not limited to, conducting an in-depth psycho-social-bio assessment, developing Individual Housing and Employment Plans (IHEP), housing search and placement, employment training, job search, credit repair, and HMIS data entry. The purpose of Homelessness Prevention is to prevent persons from becoming homeless in a shelter or an unsheltered situation. Funding may also be used to help such persons regain stability in their current housing or other permanent housing. Eligibility for services applies to individuals and families who are at imminent risk, or at risk of homelessness.

Homeless Prevention services will also include Housing Stability Case Management and referrals to mainstream benefits as mentioned above under Rapid Re-Housing services. However, services will be geared towards assisting veteran households maintain housing and achieve self-sufficiency. Financial assistance services such as short and medium term rental assistance depending on the households needs. utility payments, payment of rental arrears (one-time payment of up to 6 months on the arrears, including any late fees) and other services to prevent veteran households who are on the brink of homelessness from actually becoming homeless.

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Emergency Solutions Grant (ESG)  
 Applicant Program Description

**Application Number:** 8  
**Location in Moreno Valley:** Yes  
**Requested Funding:** ESG

**Applicant:** Catholic Charities San Bernardino & Riverside Counties  
**Program:** Casework Services Program

Requested Funding Amount: \$50,000  
 Total # Person/Unit Served: 800 people  
 MV # Person/Unit Served: 800 people  
 Funding per Person/Unit Served: \$62.50 per person

ESG Component	Budget	Individuals to be Served
Street Outreach	\$0	0
Rapid Rehousing	25,000	100
Homelessness Prevention	25,000	700
Emergency Shelter	0	0
<b>Total</b>	<b>\$50,000</b>	<b>800</b>

**Program Description:**

The Caseworker Services Program provides case management services, which includes community outreach and a wide range of homeless and homelessness prevention services to low-income residents. Services may include motel vouchers, rental assistance (rent in arrears to prevent eviction), security deposits, utility assistance, food and other supportive services. A minimum of 250 households (800 individuals) will receive homeless and homelessness prevention assistance.

City of Moreno Valley  
Fiscal Year 2017/18  
Community Development Block Grant (CDBG)  
Applicant Program Description

**Application Number:** 5  
**Requested Funding:** CDBG

**Applicant:** Al Rahma, Inc.  
**Program:** Al Rahma Food Bank

**Funding Type:** Public Service (Food Banks)  
**City Priority:** Public Service  
**Public Service Priority:** (1) Basic Needs (Truck for Food Program)

**Requested Funding Amount:** \$45,000  
**Total # Person/Unit Served:** 5,000 people  
**MV # Person/Unit Served:** 4,500 people  
**Funding per Person/Unit Served:** \$10 per person

**Program Description:**

Al Rahma Food Bank provides food to the needy people in an effort to alleviate hunger in the City of Moreno Valley including the areas listed in the CDBG Target Area Map. Additionally, the funds that will be granted to Al Rahma, Inc will be invested in purchasing a refrigerated truck, commercial fridge, and commercial freezers. The truck will be used to haul donated large quantities food supplies from the donors's location to the food bank location to be kept in industrial fridges and freezers.

Attachment: Att 1 Funding Recommendations [Revision 3] (2471 : PUBLIC HEARING TO APPROVE CDBG, HOME, AND ESG PROJECTS

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 6  
**Requested Funding:** CDBG

**Applicant:** Assistance League of Riverside  
**Program:** Snack Attack

**Funding Type:** Public Service (Youth Services)  
**City Priority:** Public Service  
**Public Service Priority:** (5) Free/Low-Cost programs for School-Aged Youth

**Requested Funding Amount:** \$10,000  
**Total # Person/Unit Served:** 150 people  
**MV # Person/Unit Served:** 150 people  
**Funding per Person/Unit Served:** \$66.67 per person

**Program Description:**

Requested funds for our Snack Attack Program will be used to purchase nutritional snacks for inclusion in bags to be delivered to children identified as homeless and/or extremely needy at Edgemont Elementary School within the Moreno Valley School District. These snack bags are handed out discreetly every Friday to ease the hunger these children experience over the weekend when there is no access to the school's free lunch program. 100 bags are packed every Friday of the school year and delivered by our volunteers to Edgemont Elementary School. We would like to increase the number of children and schools served in the Moreno Valley School District in the 2017-2018 school year.

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 7  
**Requested Funding:** CDBG

**Applicant:** Boys & Girls Club of Greater Redlands-Riverside  
**Program:** Expansion of Service Hours at Casitas del Valle site

Funding Type: Public Service (Youth Services)  
 City Priority: Public Service  
 Public Service Priority: (5) Free/Low-Cost programs for School-Aged Youth

Requested Funding Amount: \$30,000  
 Total # Person/Unit Served: 75 people  
 MV # Person/Unit Served: 75 people  
 Funding per Person/Unit Served: \$400 per person

**Program Description:**

Through a partnership with the Coachella Valley Housing Coalition, the Club has operated after-school programs for youth ages 6-18 at Casitas del Valle on Lamos Place three days a week for several years. The requested funds would enable the Club's Casitas del Valle site to go from operating three days to five.

If the site was open Monday-Friday instead of Monday, Wednesday, Friday, the Club could offer more after-school services to more youth in the area around the Casitas del Valle complex and the City of Moreno Valley. Parents would have a safe place to send their kids from 2-6 p.m. every weekday. The added days would offer a program every hour, like the other three days.

Club programs include homework help, career and college exploration, STEM, physical activity, cooking, and leadership and character development. The first hour of programming, called Power Hour, is mandatory homework and reading time.

The funds would pay mainly for staffing expenses and program supplies. Facility expenses are paid by the Coachella Valley Housing Coalition. The funds would also supplement the site opening early on minimum school days, holidays not taken by Boys & Girls Clubs, special events, and occasional evening programs.



**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 9  
**Requested Funding:** CDBG

**Applicant:** Community Assistance Program  
**Program:** Community Assistance Program (CAP)

Funding Type: Public Service (Food Banks)  
 City Priority: Public Service  
 Public Service Priority: (1) Basic Needs (Food Pantry)

Requested Funding Amount: \$32,705  
 Total # Person/Unit Served: 15,000 people  
 MV # Person/Unit Served: 15,000 people  
 Funding per Person/Unit Served: \$2.18 per person

**Program Description:**

We will endeavor to provide emergency food, clothing, Utility assistance, hygiene items and referrals for mortgage and rental assistance to between 3,000 and 4,000 families living in Moreno Valley. Funds obtained through CDBG will be used to help cover the cost of operating CAP. The operating costs include workers comp. insurance, liability insurance, utilities, rent, administrative supplies and the director's salary.

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 10  
**Requested Funding:** CDBG

**Applicant:** Fair Housing Council of Riverside County, Inc.  
**Program:** Fair Housing Discrimination Services

Funding Type: Public Service (Fair Housing Activities)  
 City Priority: Public Service  
 Public Service Priority: Fair Housing

Requested Funding Amount: \$32,748  
 Total # Person/Unit Served: 950 people  
 MV # Person/Unit Served: 220 people  
 Funding per Person/Unit Served: \$148.85 per person

**Program Description:**

THE FAIR HOUSING FHCR OF RIVERSIDE COUNTY, INC., (FHCR) proposes to offer a full menu of fair housing services which affirmatively address and promote fair housing rights and obligations as defined and articulated under the Federal Fair Housing Act and the California State Law Enactments under the Rumford and Unruh Civil Rights Acts.

FHCR's Mission is to provide comprehensive services which affirmatively address and promote fair housing (anti-discrimination) rights and further other housing opportunities for all persons without regard to race, color, age, national origin, religion, sex, familial status (presence of children), disability, ancestry, marital status, or other arbitrary factors.

The Mission is accomplished through three component areas under both ANTIDISCRIMINATION and LANDLORD/TENANT services. These three components are:

1. Education
2. Training and Technical Assistance
3. Enforcement

City of Moreno Valley  
Fiscal Year 2017/18  
Community Development Block Grant (CDBG)  
Applicant Program Description

Application Number: 11  
Requested Funding: CDBG

Applicant: Fair Housing Council of Riverside County, Inc.  
Program: Fair Housing Landlord/Tenant Counseling

Funding Type: Public Service (Fair Housing Activities)  
City Priority: Public Service  
Public Service Priority: Fair Housing

Requested Funding Amount: \$18,377  
Total # Person/Unit Served: 12,500 people  
MV # Person/Unit Served: 4,500 people  
Funding per Person/Unit Served: \$4.08 per person

Program Description:

THE FAIR HOUSING FHCRC OF RIVERSIDE COUNTY, INC., (FHCRC) proposes to provide comprehensive services which affirmatively address and promote landlord and tenant rights and further other housing opportunities for all persons without regard to race, color, age, national origin, religion, sex, familial status (presence of children), disability, ancestry, marital status, or other arbitrary factors.

The Mission is accomplished through three component areas under LANDLORD/TENANT services. These three components are

1. Education
2. Training and Technical Assistance
3. Enforcement

Attachment: Att 1 Funding Recommendations [Revision 3] (2471 : PUBLIC HEARING TO APPROVE CDBG, HOME, AND ESG PROJECTS

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 12  
**Requested Funding:** CDBG

**Applicant:** Family Services Association (FSA)  
**Program:** FSA More Than a Meal (Expansion)

Funding Type: Public Service (Senior Services)  
 City Priority: Public Service  
 Public Service Priority: (1) Basic Needs (Case Management for Food Program)

Requested Funding Amount: \$15,000  
 Total # Person/Unit Served: 50 people  
 MV # Person/Unit Served: 50 people  
 Funding per Person/Unit Served: \$300 per person

**Program Description:**

Through your generous funding we will enhance the "More than a Meal Program" by offering case management services to FSA senior nutrition participants. Your funding will allow us to increase nutritional assessments, resources and referrals, and nutrition education services to congregate and home-delivered meal service recipients.

A case manager will directly work with clients by providing case management services and referrals for services such as utility assistance, transportation assistance, linkages to home care, screening mental health issues and a variety of other referrals for services that the senior may need. FSA proposes to provide the case management service to at least 50 seniors during the 2017 - 2018 fiscal year.

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 13  
**Requested Funding:** CDBG

**Applicant:** Friends of Moreno Valley Senior Center, Inc.  
**Program:** The "Mo-Van" Senior Transportation Program

Funding Type: Public Service (Senior Services)  
 City Priority: Public Service  
 Public Service Priority: (3) Low-Cost Transportation

Requested Funding Amount: \$35,000  
 Total # Person/Unit Served: 4,325 trips  
 MV # Person/Unit Served: 4,325 trips  
 Funding per Person/Unit Served: \$8 per trip

**Program Description:**

The Senior Van Transportation Program utilizes the "MoVan" to transport senior citizens over the age of 60 years old and disabled adults to necessary destinations for medical, dental, optical, Moreno Valley Senior Center and grocery stores. The Mo Van is a Para transit bus providing "Curb to Curb Service" for up to (12) passengers and (2) wheel chair tie downs. The Mo Van provides low cost intra-city (non-ADA) service and covers a 35 mile radius. The fare is \$1.00 for one way trips and \$2.50 for one way trips outside of the city limits but no-one is turned away due to their inability to donate. The "MoVan" is available to transport Monday through Friday from 8:00am to 3:00pm. Riders must make reservations 24 hours in advance. The funds requested are needed to implement, staff, manage and operate the MoVan Project.

We have an MOU with City Link Foundation who agrees to provide an advanced reservation system, schedule the passengers, perform the vehicle maintenance and provide the drivers for this service. The Friends of Moreno Valley Senior Center agrees to pay for the services rendered in addition to any major repairs of the vehicle. The annual budget required is \$112,200. This grant is vital in order to provide matching funds to the allocations provided by RCTC through 6/30/18, using Measure A sales tax.

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 14  
**Requested Funding:** CDBG

**Applicant:** GRID Alternatives  
**Program:** City of Moreno Valley Low-Income Solar Energy Assistance Program

Funding Type: Rehabilitation: Single Unit Residential  
 City Priority: Housing and Neighborhood Improvement Activities  
 Public Service Priority: n/a

Requested Funding Amount: \$50,000  
 Total # Person/Unit Served: 10 households  
 MV # Person/Unit Served: 10 households  
 Funding per Person/Unit Served: \$5,000 per household

**Program Description:**

Non-profit solar installer GRID Alternatives will install solar electric systems in Moreno Valley for 10 low-income homeowners earning no more than 80% of AMI. These installations will be facilitated using GRID's job trainee and volunteer participants. Each solar installation generates "triple bottom line" results: long-term financial benefits for low-income families; hands-on experience for trainees in the rapidly expanding field of solar installation; and environmental benefits by eliminating greenhouse gas emissions. These installations will produce 1.2 million kWh(dc) of clean, renewable energy saving the homeowners about \$290,000 over the systems lifetime. These systems will also prevent 574 tons of greenhouse gases, equal to taking 110 cars off the road for 1 year.



City of Moreno Valley  
Fiscal Year 2017/18  
Community Development Block Grant (CDBG)  
Applicant Program Description

**Application Number:** 15  
**Requested Funding:** CDBG

**Applicant:** Habitat for Humanity Riverside  
**Program:** A Brush with Kindness (ABWK)

**Funding Type:** Rehabilitation: Single Unit Residential  
**City Priority:** Housing and Neighborhood Improvement Activities  
**Public Service Priority:** n/a

**Requested Funding Amount:** \$10,000  
**Total # Person/Unit Served:** 10 households  
**MV # Person/Unit Served:** 10 households  
**Funding per Person/Unit Served:** \$1,000 per household

**Program Description:**

A Brush with Kindness is a one-time exterior home preservation services that offers exterior painting, landscaping, and minor exterior repairs for homeowners in need. The minor repairs consist of skirting, trim, steps, entrance, and porch deck repairs to ensure safety and health compliance and improve accessibility. ABWK helps homeowners impacted by age, disability, and family circumstances who struggle to maintain the exterior of their homes, reclaim their homes with pride and dignity. The program will assist ten households (mobile homes and one-story single family homeowners) in the low to moderate income range.

Attachment: Att 1 Funding Recommendations [Revision 3] (2471 : PUBLIC HEARING TO APPROVE CDBG, HOME, AND ESG PROJECTS

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 16  
**Requested Funding:** CDBG

**Applicant:** Health to Hope Clinics  
**Program:** Primary Care for the Homeless

Funding Type: Public Service (Health Services)  
 City Priority: Public Service  
 Public Service Priority: (1) Basic Needs (Homelessness Services)

Requested Funding Amount: \$58,600  
 Total # Person/Unit Served: 100 people  
 MV # Person/Unit Served: 100 people  
 Funding per Person/Unit Served: \$586 per person

**Program Description:**

Health to Hope (H2H) Clinics requests \$58,600 to expand our primary medical services to the homeless in the city of Moreno Valley with the use of our mobile units. Currently we are partnering with Koinonia Evangelistic Center providing medical services and would like to expand our mobile unit services to serve. in addition to the homeless. undocumented. and uninsured. We plan to increase our patient visits to 1,050 per year, while meeting with 350 unique patients, three visits a year. Urban Community Action Projects is headquartered in Riverside, CA and operates five (5) service delivery sites: two of which are mobile and serve patients all over Riverside County; three of which are permanent, fixed facilities located in Riverside, Indio. and Palm Springs. We have outreach and enrollment staff that assist each uninsured person with enrolling in Covered California and/or Medi-Cal. Healthcare for the homeless can be very costly if it occurs in a hospital setting. In metropolitan areas around the country, the biggest healthcare cost is for unnecessary hospital and emergency room costs that are provided to homeless people who have nowhere else to receive care and are unable to even begin to pay the bills that can result from one overnight stay in the hospital. As their primary care provider, homeless patients can receive regularly scheduled primary care visits to monitor their chronic health conditions along with getting preventive cancer screenings regularly. By helping the patient manage their health conditions, acute health episodes that result in long hospitalizations can be avoided and the patients can enjoy better health as we assist them in resolving their barriers that are causing a roadblock to wholistic health.

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 17  
**Requested Funding:** CDBG

**Applicant:** Music Changing Lives  
**Program:** Changing Lives Showcase

Funding Type: Public Service (Youth Services)  
 City Priority: Public Service  
 Public Service Priority: (5) Free/Low-Cost programs for School-Aged Youth

Requested Funding Amount: \$51,238  
 Total # Person/Unit Served: 300 people  
 MV # Person/Unit Served: 300 people  
 Funding per Person/Unit Served: \$170.79 per person

**Program Description:**

The Changing Lives Showcase is a 21-week enrichment program for at-risk youth comprised of music, visual arts, performing arts, financial literacy, tutoring and etiquette workshops. The program will serve six school sites within the Moreno Valley Unified School District directly benefitting more than 300 youth with direct services focused on increasing the district's graduation rate and 8,500 youth indirectly by providing pep rallies with music, motivational speakers and entertainment during each site's lunch time for the 2017-2018 school year. The support of CDBG funding will benefit an estimated 8,800 disadvantaged youth who otherwise would not have access to quality enrichment programs to assist them with discovering their passion and purpose in life.

**City of Moreno Valley**  
Fiscal Year 2017/18  
Community Development Block Grant (CDBG)  
Applicant Program Description

**Application Number:** 18  
**Requested Funding:** CDBG

**Applicant:** Operation SafeHouse, Inc.  
**Program:** Operation SafeHouse Emergency Shelter for Youth

**Funding Type:** Public Service (Services for Abused and Neglected Children)  
**City Priority:** Public Service  
**Public Service Priority:** (1) Basic Needs (Homelessness Services)

**Requested Funding Amount:** \$15,000  
**Total # Person/Unit Served:** 50 people  
**MV # Person/Unit Served:** 50 people  
**Funding per Person/Unit Served:** \$300 per person

**Program Description:**

Operation SafeHouse was established in 1988 to provide a safe, nurturing place where teenagers in crisis could receive help instead of taking to the unsafe streets. Since that time we have continued to grow and expand our services to meet the needs of our young people. Teens leave home for a variety of reasons. Sometimes there is drug or alcohol abuse by a family member, violence in the home or the youth is told to leave. Whether runaways or throwaways, these young people do not feel safe in their own homes. Life on the street turns out to be even more dangerous. Fortunately there are places like SafeHouse that are there to help. Our 21-day shelter programs located in Riverside and Thousand Palms provides core essentials needed for a child to find a path to safety. Of course our first thoughts go toward necessities-a home cooked meal, clean clothes and a warm bed. Once settled into the program we can concentrate on the unique individual we find before us. The entire program is designed with the youth in mind, from the way they are treated, to the activities we engage in, to a staff that is caring and supportive. Our counseling program helps the youth recognize and deal with the serious issues they are facing in today's world. Each counseling session is targeted to the individual youth and may include abuse, substance abuse, gender identity issues, teen pregnancy, anger management or abandonment.

CDBG funds from Moreno Valley will be used to supplement the salaries of two full-time Child Care Workers. The Child Care Workers will provide direct services such as 24-hour supervision, life skills classes, educational tutoring, meal preparation, 800 crisis line assistance, transportation to appointments or recreational activities, and intake and exit paperwork to a minimum of 50 City of Moreno Valley youth who enter our shelter. 95% of these Moreno Valley youth will exit into a safe and stable environment, such as home or with a suitable relative. At least 75% of these Moreno Valley youth who exited the shelter into stable living environments will continue to have permanent connections.

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 19  
**Requested Funding:** CDBG

**Applicant:** Path of Life Ministries  
**Program:** Mobile Intervention Team (Homeless Services)

Funding Type: Public Service (Other)  
 City Priority: Public Service  
 Public Service Priority: (1) Basic Needs (Homelessness Services)

Requested Funding Amount: \$10,000  
 Total # Person/Unit Served: 200 people  
 MV # Person/Unit Served: 152 people  
 Funding per Person/Unit Served: \$65.79 per person

**Program Description:**

The goal of this project is to help move those who are homeless in MV out of their homeless situation. The essential component of the project is our Mobile Homeless Intervention Team. The team will engage every known person who is homeless (61 unsheltered 2016 PIT Ct.) in the target area to offer & assist with placement into shelter & housing & make 150 encounters/referrals for additional supportive services. The team will be available to law enforcement or city officials in engaging these persons. We will utilize our proven methods for building trust with the homeless and encouraging them to move off the streets & into stable housing starting with our bridge shelter providing safety & stabilization as the team works to obtain Permanent housing for the individual or family.

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 20  
**Requested Funding:** CDBG

**Applicant:** Quinn Community Outreach Corp. (QCOC)  
**Program:** Reducing Diabetes Disparities through Education & Management

Funding Type: Public Service (Health Services/Senior Services)  
 City Priority: Public Service  
 Public Service Priority: (none)

Requested Funding Amount: \$20,915  
 Total # Person/Unit Served: 500 people  
 MV # Person/Unit Served: 200 people  
 Funding per Person/Unit Served: \$104.58 per household

**Program Description:**

In collaboration with Health Services Advisory Group, a Medicare Quality Improvement Organization, QCOC provides evidence based culturally relevant Diabetes Self-Management Education Workshops. We target individuals 65 years of age or older, Medicare beneficiaries, and those who have been diagnosed with pre-diabetes, Type 1 or Type 2 diabetes. The Diabetes Education Empowerment Program (DEEP) curriculum consist of six interactive adult learning modules addressing: Understanding the Human Body, Risk Factors for Diabetes, Monitoring Your Body, Physical Activity, Management through Meal Planning, Diabetes Complications: Identification and Prevention, Medications & Medical Care, and Mobilizing Your Family and Friends. These workshops are facilitated by certified Lay DEEP Educators. Funds requested in this proposal will assist in providing workshops to 200 plus seniors in local venues where seniors frequent.



**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 21  
**Requested Funding:** CDBG

**Applicant:** Riverside Area Rape Crisis Center  
**Program:** Child Abuse Prevention Program

**Funding Type:** Public Service (Services for Abused and Neglected Children)  
**City Priority:** Public Service  
**Public Service Priority:** (5) Free/Low-Cost programs for School-Aged Youth

**Requested Funding Amount:** \$10,000  
**Total # Person/Unit Served:** 13,000 people  
**MV # Person/Unit Served:** 5,440 people  
**Funding per Person/Unit Served:** \$1.84 per person

**Program Description:**

The Child Abuse Prevention Program (CAP) is provided by the Riverside Area Rape Crisis Center (RARCC) which is a non-profit community organization that was founded in 1973. CAP is designed to provide primary prevention education for Moreno Valley schools, grades K-12, including Special Education and Bilingual classrooms. CAP emphasizes the involvement of children, parents, and teachers in classroom to classroom presentations, parent meetings, as well as weekly Club meetings. The program educates students, parents, and teachers on the facts of physical, verbal, sexual abuse and neglect. All presentations are age-appropriate and free of charge. These presentations will benefit low and moderate income families that live in the City of Moreno Valley.

This year the agency intends to enhance our existing Child Abuse Prevention Program with our weekly My Strength Clubs for young men and our weekly Be Strong Clubs for young women. We are also adding our Youth Leadership Development program to provide young adults the opportunity to lead their peers in stopping violence in their community. The My Strength Club targets the high school young men in a curriculum that engages them in looking at healthy masculinity, non-violence, healthy relationships and active bystander engagement. We are currently facilitating our My Strength Club at Valley View High School in Moreno Valley as well as other high and middle schools in Riverside and Corona. We have been facilitating these Clubs in Western Riverside County since 2005. The Be Strong Clubs target high school young women engaging in a curriculum that explores multiple units emphasizing confidence, self-worth, self-esteem, sisterhood and healthy relationships. We are currently at Valley View High School in Moreno Valley as well as high and middle schools in Riverside and Corona. We have facilitated the Be Strong Clubs in Western Riverside County since 2010.

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 22  
**Requested Funding:** CDBG

**Applicant:** The Hole in Wall, Inc.  
**Program:** Community Homeless Solutions

Funding Type: Public Service (Other)  
 City Priority: Public Service  
 Public Service Priority: (1) Basic Needs (Homelessness Services)

Requested Funding Amount: \$25,000  
 Total # Person/Unit Served: 40 people  
 MV # Person/Unit Served: 40 people  
 Funding per Person/Unit Served: \$625 per person

**Program Description:**

HOMELESSNESS IS A PROBLEM IN THE CITY OF MORENO VALLEY AND THE HOLE IN WALL INC. (THIW) SEEKS TO AMELIORATE THE PREVELANCE OF HOMELESSNESS IN THE CITY OF MORENO VALLEY BY ADDRESSING THE FUNDAMENATAL CAUSES OF HOMELESS. THE COMMUNITY HOMELESS SOLUTIONS (CHS) PROJECT, OFFERS A ROBUST AND PRACTICIAL APPROACH TO PROVIDE BASIC NEEDS SERVICES COUPLED WITH CASE MANGEMENT, SUBSTANCE ABUSE TREATMENT AND EVIDENCE-BASED SUPPORTIVE SERVICES FOR 40 HOMELESS INDIVIDUALS AND FAMILIES IN THE CITY TO FACILITATE THE PATHWAY FROM HOMELESSNESS TO SELF-SUSTAINABILITY AND INDEPENDENCE.

CHS AT THE HOLE IN WALL INC. IN MORENO VALLEY WHICH SERVES AS A DROP-IN CENTER FOR HOMELESS PEOPLE IN THE CITY. THE PROGRAM WILL BE EXECUCED AT THIW'S SITE LOCATION AT 24187 POSTAL AVE MORENO VALLEY, CA 92553.

THIS INCLUDES 1. MARKETING 2. TARGET OUTREACH AND ENGAGEMENT 3. INTAKE AND ASSESSMENT 4. CASE MANAGEMENT 5. PROVISION AND BASIC NEEDS 6. FOLLOW UP AND EVALUATION.

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 23  
**Requested Funding:** CDBG

**Applicant:** The Salvation Army  
**Program:** Social Service - Food Pantry

Funding Type: Public Service (Food Banks)  
 City Priority: Public Service  
 Public Service Priority: (1) Basic Needs (Food Pantry)

Requested Funding Amount: \$10,000  
 Total # Person/Unit Served: 42,000 people  
 MV # Person/Unit Served: 33,600 people  
 Funding per Person/Unit Served: \$0.30 per person

**Program Description:**

Through our Social Service program, we offer a food pantry to help individuals and their families in need. The pantry is open 12:00pm - 3:00pm Monday, Tuesday, Wednesday, and Friday. Clients can access the pantry once every 30 days. The requested funding will make it possible to offer needed hours to our two pantry employees allowing them the necessary time to pick up donations around town and unload after pickups. Due to the large number of donations that are received daily, our employees need more time to sort through the donations to ensure that the donations go out to clients the same day it comes in. This will also help us to expand our services by offering satellite distributions of food at various locations throughout the city. This will include but not be limited to senior living facilities and areas identified as food deserts.

**City of Moreno Valley**  
Fiscal Year 2017/18  
Community Development Block Grant (CDBG)  
Applicant Program Description

**Application Number:** 24  
**Requested Funding:** CDBG

**Applicant:** United States Veteran's Initiative  
**Program:** CHAMPS, Long Term Supportive Housing, & Emergency Shelter Program

Funding Type: Public Service (Other)  
City Priority: Public Service  
Public Service Priority: (1) Basic Needs (Homelessness Services)

Requested Funding Amount: \$130,650  
Total # Person/Unit Served: 74 people  
MV # Person/Unit Served: 74 people  
Funding per Person/Unit Served: \$1,765.54 per person

**Program Description:**

United States Veterans Initiative (U.S. VETS) respectfully request \$131,000 from Moreno Valley's Community Development Block Grant (CDBG) to provide immediate housing and wrap around services to homeless and at-risk of being homeless veterans at or March Air Force Base Facility. Our total project cost is estimated at \$1.3 million. The funds under these programs are intended to target and service approximately 74 veterans that would continue to be homeless if not for this assistance. The project services include the following housing programs:

Emergency Bed Program follows a housing first approach providing bridge like housing to help nearly 30 veterans in obtaining permanent supportive housing and employment services each year. The program provides intensive case management for homeless veterans who needs support obtaining housing, counseling, skills development, job finding and retention skills to increase chances of long-term success, and most importantly permanent supportive housing for those ready.

CHAMPS Program consists of 25 veterans. This is a combination of a scattered site system and project base housing. CHAMPS has secured 10 one bedroom apartments, 5 two bedroom apartments and houses 5 beds at its facility located on March Air Force Base. CHAMPS provides veterans with disabilities and who have been chronically homeless comprehensive services in a permanent housing setting by providing intensive case management, skills development, benefits acquisition, and employment assistance.

The CDBG funds awarded will support these programs by extending transportation. staffing support and facility maintenance for our homeless and at-risk veterans while in the process of achieving or maintaining permanent housing.

**City of Moreno Valley**  
Fiscal Year 2017/18  
Community Development Block Grant (CDBG)  
Applicant Program Description

**Application Number:** 25  
**Requested Funding:** CDBG

**Applicant:** Voices for Children  
**Program:** Court Appointed Special Advocate (CASA) Program

**Funding Type:** Public Service (Services for Abused and Neglected Children)  
**City Priority:** Public Service  
**Public Service Priority:** (5) Free/Low-Cost programs for School-Aged Youth

**Requested Funding Amount:** \$25,000  
**Total # Person/Unit Served:** 300 people  
**MV # Person/Unit Served:** 12 people  
**Funding per Person/Unit Served:** \$2,083.33 per person

**Program Description:**

A \$25,000 Community Development Block Grant from the City of Moreno Valley would provide a volunteer Court Appointed Special Advocate (CASA) to 12 foster children in the City of Moreno Valley for a full year, representing 1,440 hours of direct advocacy service. Five full-time professionals provide the critical staffing support for our CASA Program in Riverside County (one Program Director, one Recruitment and Training Coordinator and three Advocacy Supervisors), and this CDBG grant would partially fund salaries for the staff members directing and supervising the advocacy work of CASAs matched with Moreno Valley foster children.

The foster care system comprises many committed and passionate professionals. Unfortunately, it is also a system that is overwhelmed trying to help 5,500 Riverside County foster children each year. It is currently estimated that the City of Moreno Valley has more foster homes than anywhere else in the county, and in fact, over 20% of the foster children for whom services were requested of VFC this year, came from Moreno Valley alone. Social workers carry up to 35 cases at one time, attorneys represent over 150 children, while Judges take on the burden of up to 900 cases each year. There are not enough resources to give every Moreno Valley foster child the attention he or she deserves and desperately needs.

After re-launching the Riverside County CASA Program in February 2015, thanks in part to CDBG grants from the City and County of Riverside, we see evidence of how greatly our advocacy services are needed in Moreno Valley and all throughout the County. In FY2015-2016, VFC supervised a CASA volunteer corps of over 100 local citizens who provided 140 foster children with individualized advocacy services in Court, the classroom, and the community. Thanks to the generous \$25,000 CDBG award from the City of Moreno Valley for FY2016-2017, VFC is currently serving 13 Moreno Valley foster children with CASAs (and in that CASA matching process, VFC is monitoring and assessing the case files of other Moreno Valley foster children on our triage list). Under the Voices for Children budget structure, it presently costs \$2,075 to recruit, train, and carefully manage a Court Appointed Special Advocate, or CASA, to provide advocacy for one foster child for a full year. These costs are primarily for the staffing needed to support CASAs' work.

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 26  
**Requested Funding:** CDBG

**Applicant:** City of Moreno Valley Community Development Department  
**Program:** Neighborhood Code Enforcement / Rental Property

Funding Type: Code Enforcement  
 City Priority: Health, Safety and Public Welfare  
 Public Service Priority: n/a

Requested Funding Amount: \$339,400  
 Total # Person/Unit Served: n/a  
 MV # Person/Unit Served: n/a  
 Funding per Person/Unit Served: n/a

**Program Description:**

Within the CDBG Target Areas, Code Compliance personnel will provide an enhanced level of service to help to eliminate substandard housing, blight, property deterioration, and to encourage revitalization of neighborhoods suffering from a proliferation of rental/foreclosed/vacant houses. Through the promotion of neighborhood participation and voluntary compliance, Officers and staff will work with property owners and residents, educating and encouraging them to get involved to help improve and preserve their neighborhoods. In addition, select staff will take a proactive approach to address health, safety and welfare issues, while working to safeguard and improve the stock of secure, sanitary and respectable rental housing. This service will be provided in an organized and efficient routine inspection manner and also give attention to unsafe and potentially dangerous conditions that can occur in rental housing.



**City of Moreno Valley**  
Fiscal Year 2017/18  
Community Development Block Grant (CDBG)  
Applicant Program Description

**Application Number:** 27  
**Requested Funding:** CDBG

**Applicant:** City of Moreno Valley Employee Resource Center  
**Program:** City of Moreno Valley Employee Resource Center

**Funding Type:** Public Service (Employment Training)  
**City Priority:** Public Service  
**Public Service Priority:** (4) Employment Services/Programs and Job (Skills) Training

**Requested Funding Amount:** \$66,000  
**Total # Person/Unit Served:** 12,160 people  
**MV # Person/Unit Served:** 10,379 people  
**Funding per Person/Unit Served:** \$6.36 per person

**Program Description:**

The \$66,000 requested CDBG fund allocation will be used to leverage the \$224,122 in staff salary contribution made by the Riverside County Workforce Development Center as well as the in-kind space contribution made available by Brixton Capital valued at approximately \$44,000 per year.

The ERC provides job seekers with access to resources that are necessary to search and acquire employment within the city and surrounding areas. On-site job seekers have access to knowledgeable and friendly staff who assist with services such as job searches, job applications, one-on-one mock interviews, resume assistance, and enrollment services which includes job training and career coaching. Resources also include 29 computers with internet access, Wi-Fi availability, a computer lab for training purposes, a conference room for workshops and group activities, two printer/copiers, job recruitment boards featuring area jobs, two fax machines, and staffing to assist both job seekers and employers with their individual needs.

Employers utilize the ERC for recruitment purposes with access to a large and local applicant pool, private offices to hold interviews, a conference room to conduct new employee orientations and trainings, and staff assistance as they have access to Riverside County Business Solutions representatives to assist them in all of their human resources and labor market information needs. Recent activities have included job recruitment fairs for some of the biggest employers in town such as Amazon, Deckers Outdoor, and Karma (Fisker) Automotive.

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 28  
**Requested Funding:** CDBG

**Applicant:** City of Moreno Valley Senior Center  
**Program:** ADA Improvement at the Senior Center

Funding Type: Public Facilities and Improvements  
 City Priority: Capital Improvements  
 Public Service Priority: n/a

Requested Funding Amount: \$230,642  
 Total # Person/Unit Served: n/a  
 MV # Person/Unit Served: n/a  
 Funding per Person/Unit Served: n/a

**Program Description:**

This capital improvement project will fund the recommended Americans with Disabilities Act (ADA) corrections provided by the City's accessibility consultant Disability Access Consultants (DAC) in reference to the Senior Center facility. Improvements will include parking lot upgrades to the curb ramps (slopes and warning strips), passenger loading zones (warning strips, access aisle), parking stalls (slopes, signing and striping), path of travel (sidewalks, patios and warning strips) and ramps to the entrance of the building (south entrance slope and handrails). Additionally included are improvements of all five restrooms which are in need of upgrades to the height and distance of the sinks, toilets, counters, partitions. etc.

**City of Moreno Valley**  
Fiscal Year 2017/18  
Community Development Block Grant (CDBG)  
Applicant Program Description

**Application Number:** 29  
**Requested Funding:** CDBG

**Applicant:** City of Moreno Valley Parks & Community Services Department  
**Program:** ADA Drinking Fountains in City Parks

**Funding Type:** Public Facilities and Improvements  
**City Priority:** Capital Improvements  
**Public Service Priority:** n/a

**Requested Funding Amount:** \$50,000  
**Total # Person/Unit Served:** n/a  
**MV # Person/Unit Served:** n/a  
**Funding per Person/Unit Served:** n/a

**Program Description:**

Replace approximately 10 non-compliant drinking fountains in City parks with ADA-compliant units (equipment only).

Attachment: Att 1 Funding Recommendations [Revision 3] (2471 : PUBLIC HEARING TO APPROVE CDBG, HOME, AND ESG PROJECTS

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 30  
**Requested Funding:** CDBG

**Applicant:** City of Moreno Valley Parks & Community Services Department  
**Program:** CRC - ADA Compliant Flooring Improvements

Funding Type: Public Facilities and Improvements  
 City Priority: Capital Improvements  
 Public Service Priority: n/a

Requested Funding Amount: \$15,000  
 Total # Person/Unit Served: n/a  
 MV # Person/Unit Served: n/a  
 Funding per Person/Unit Served: n/a

**Program Description:**

Replace approximately 850 square feet of uneven slate tile flooring in the CRC lobby areas with ADA-compliant tile flooring.

**City of Moreno Valley**  
Fiscal Year 2017/18  
Community Development Block Grant (CDBG)  
Applicant Program Description

**Application Number:** 31  
**Requested Funding:** CDBG

**Applicant:** Moreno Valley Police Department  
**Program:** Betterment Through Community Based Policing & Holiday Cheer

**Funding Type:** Public Service (Crime Awareness/Prevention)  
**City Priority:** Public Service  
**Public Service Priority:** (2) Community Public Safety Programs

**Requested Funding Amount:** \$321,000 (\$316,000 for Betterment; \$5,000 for Holiday Cheer)  
**Total # Person/Unit Served:** 10,000 – Betterment; 175 – Holiday Cheer  
**MV # Person/Unit Served:** 10,000 – Betterment; 175 – Holiday Cheer  
**Funding per Person/Unit Served:** Betterment – \$32.10 per person; Holiday Cheer – \$28.57 per person

**Program Description:**

Sworn personnel from the MVPD will be assigned overtime hours to the CDBG target areas to enhance the Community Oriented Policing philosophy. The overall purpose of the project will include the reduction of crime within the areas, the improvement and/or removal of blighted conditions, and the promotion of neighborhood pride. The officers will acquaint themselves with the residents and will work closely with residents to forge relationships and reduce crime.

**Operation Holiday Cheer:**

The Police Department is also requesting CDBG grant funds for our holiday events such as "Operation Holiday Cheer." This outreach program is intended to brighten the lives of children and adults in our CDBG community during the holiday season as well as foster good will between the community and Moreno Valley Police Department.

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 32  
**Requested Funding:** CDBG

**Applicant:** City of Moreno Valley Public Works Department  
**Program:** Cycle 7 ADA Pedestrian Access Ramps

Funding Type: Public Facilities and Improvements  
 City Priority: Capital Improvements  
 Public Service Priority: n/a

Requested Funding Amount: \$700,000  
 Total # Person/Unit Served: n/a  
 MV # Person/Unit Served: n/a  
 Funding per Person/Unit Served: n/a

**Program Description:**

The project involves bringing into compliance approximately 60 to 75 access ramps, depending on available funding and estimated cost, located within the City and City's CDBG target areas, to meet current ADA requirements and the Momentum Moval Strategic Plan. The requested funds are to cover design and construction costs. FY 17/18 CDBG funds will be used to complete environmental clearance, design and construction of the project. The design is anticipated to be completed in December 2017. Construction is anticipated to begin in April 2018, pending funds and completed by December 2018. Should additional grant funds become available to the City, the City will use those funds to reduce the City's inventoried backlog of non-compliant ramps by using the funds to bring the ramps into compliance.



**City of Moreno Valley**  
Fiscal Year 2017/18  
Community Development Block Grant (CDBG)  
Applicant Program Description

**Application Number:** 33  
**Requested Funding:** CDBG

**Applicant:** City of Moreno Valley Public Works Department  
**Program:** Graham Street Bridge over SR-60

**Funding Type:** Public Facilities and Improvements  
**City Priority:** Capital Improvements  
**Public Service Priority:** n/a

**Requested Funding Amount:** \$200,000  
**Total # Person/Unit Served:** n/a  
**MV # Person/Unit Served:** n/a  
**Funding per Person/Unit Served:** n/a

**Program Description:**

This project involves the design, right of way acquisition, environmental clearance, and construction of the Graham Street Bridge over SR-60 between Sunnymead Blvd and Hemlock Ave. The project also includes the installation of a traffic signal at intersection of Graham St and Hemlock Ave. This project will improve vehicular/pedestrian movement north and south of SR-60, provide direct access to central portion of Sunnymead Boulevard commercial corridor, thus bringing positive economic impacts and improvements to the CDBG target areas. The new bridge could relieve the traffic impacts to the adjacent interchanges. The requested CDBG funding is for completing the Project Study Report - Project Development Support to proceed to Caltrans' project approval.

The Regional Transportation funds for these types of improvements are very limited, therefore, CDBG funds are requested.

**City of Moreno Valley**  
 Fiscal Year 2017/18  
 Community Development Block Grant (CDBG)  
 Applicant Program Description

**Application Number:** 34  
**Requested Funding:** CDBG

**Applicant:** City of Moreno Valley Public Works Department  
**Program:** Liberty Lane Improvement

Funding Type: Public Facilities and Improvements  
 City Priority: Capital Improvements  
 Public Service Priority: n/a

Requested Funding Amount: \$50,000  
 Total # Person/Unit Served: n/a  
 MV # Person/Unit Served: n/a  
 Funding per Person/Unit Served: n/a

**Program Description:**

The project involves constructing approximately 240 feet of concrete sidewalk per City standard to provide a continuing walkway for pedestrians, students and meet requirement of the Momentum Moval Strategic Plan. The project site is located within the City's CDBG target area. FY 17/18 CDBG funds will be used to complete environmental clearance, design and construction of the project. The environmental clearance and design are anticipated to be completed in November 2017. Construction is anticipated to begin in February 2018, and completed by June 2018.

## Eligible CDBG Activities

- ❖ Acquisition, design, construction, rehabilitation, or installation of certain publicly owned facilities such as:
  - Parks, playgrounds and recreational facilities.
  - Senior centers, except 24-hour care facilities.
  - Neighborhood facilities.
  - Fire protection facilities and equipment.
  - Parking facilities.
  - Street improvements.
  - Flood, drainage, or sewer facilities.
  - Other improvements vital to a community's development.
- ❖ Acquisition of property that is: of historic value; appropriate for beautification or conservation of open spaces; appropriate for low or moderate-income housing.
- ❖ Clearance and demolition of buildings and land which may be a health hazard to the community. Interim assistance or temporary help to alleviate harmful or dangerous conditions.
- ❖ Removal of architectural barriers which restrict the mobility of handicapped persons.
- ❖ Rehabilitation and preservation of buildings and improvements, both publicly and privately owned.
- ❖ Code enforcement in designated target areas.
- ❖ Historic preservation activities.
- ❖ Eligible economic development activities.
- ❖ Eligible planning and environmental design costs.
- ❖ Public services including, but not limited to: fair housing activities, public safety services, homeless services, senior citizen services, educational programs, youth services, drug abuse counseling & treatment and recreation programs.

## Ineligible CDBG Activities

- ❖ Buildings for the general conduct of government, such as city halls, courthouses, and police stations.
- ❖ Stadiums, sports arenas, auditoriums, museums and central libraries (Note: branch libraries may be built in CDBG Target Areas).
- ❖ Purchase of equipment such as construction equipment, fire protection equipment, furnishings, and personal property.
- ❖ Schools
- ❖ Airports, subways, bus or other stations.
- ❖ Hospitals, nursing homes, and other medical facilities.
- ❖ Treatment works for liquid industrial wastes or sewage.
- ❖ Expenses of general government for operation and maintenance of public facilities.
- ❖ Political activities.
- ❖ Direct income payments to residents.

Final eligibility is determined per the US Department of Housing & Urban Development regulations and guidance. For more information please visit: <https://www.hudexchange.info/programs/cdbg-entitlement/cdbg-entitlement-program-eligibility-requirements/>

## Eligible HOME Activities

- ❖ Incentives provided by Participating Jurisdictions (the City of Moreno Valley is a Participating Jurisdiction) to develop and support affordable rental housing and homeownership affordability through acquisition, new construction, reconstruction, or rehabilitation of non-luxury housing (including manufactured housing).
- ❖ Operating expenses and capacity building costs for eligible Community Housing Development Organizations (CHDO).
- ❖ Eligible administrative and planning costs.

## Ineligible HOME Activities

- ❖ Project reserve accounts or operating subsidies.
- ❖ Tenant-based rental assistance for the special purposes of the Section 8 program.
- ❖ To provide non-federal matching contributions.
- ❖ To provide assistance to annual contributions for the operation of public housing.
- ❖ Modernization of public housing.
- ❖ Prepayment of low-income housing mortgages.
- ❖ Assistance to a project previously assisted with HOME funds during the period of affordability.

Final eligibility is determined per the US Department of Housing & Urban Development regulations and guidance. For more information please visit: <https://www.hudexchange.info/programs/home/home-overview/>

## ELIGIBLE ESG ACTIVITIES

- ❖ Homelessness Prevention,
- ❖ Street Outreach,
- ❖ Emergency Shelter,
- ❖ Rapid Rehousing Assistance,
- ❖ Homeless Management Information Systems (HMIS), and
- ❖ Administrative Activities

## INELIGIBLE ESG ACTIVITIES (under each category)

### Emergency Shelter Renovation, Rehabilitation or Conversion

- ❖ Acquisition of real property
- ❖ New construction
- ❖ Property clearance or demolition
- ❖ Rehabilitation administration
- ❖ Staff training or fund raising activities associated with rehabilitation
- ❖ Building maintenance and repairs

### Operational Costs/Facility Operations

- ❖ Recruitment or on-going training of staff
- ❖ Depreciation
- ❖ Costs associated with the organization rather than the supportive housing
- ❖ Project (advertisements, pamphlets about organization, surveys, etc.)
- ❖ Staff training, entertainment, conferences, or retreats
- ❖ Public relations or fund raising
- ❖ Bad debts/late fees
- ❖ Mortgage payments
- ❖ Preparation of application submissions
- ❖ Conferences or training in professional fields
- ❖ Salary of organization's executive director or other staff for administrative purposes

### Essential Services/Client Services

- ❖ Existing services and staff (services must be new or provided to more persons)
- ❖ Salary of case management supervisor when not working directly on participant issues
- ❖ Advocacy, planning, and organizational capacity building
- ❖ Staff recruitment/training
- ❖ Transportation costs not directly associated with service delivery

### Homelessness Prevention Activities and Rapid Rehousing Activities

- ❖ Long-term assistance beyond medium-term assistance limits per Written Standards.
- ❖ Employment training or child care
- ❖ Mortgage costs or other expenses needed by homeowners for fees, taxes, or other costs of refinancing a mortgage
- ❖ Construction or rehabilitation
- ❖ Credit card bills or consumer debt
- ❖ Car repair or transportation costs
- ❖ Food
- ❖ Medical, dental care or medication
- ❖ Clothing and grooming costs
- ❖ Home furnishings
- ❖ Pet care
- ❖ Entertainment activities
- ❖ Work or education-related materials
- ❖ Cash or direct payment assistance to program participants
- ❖ Discharge planning initiatives
- ❖ Hotel and motel stays
- ❖ Providing assistance to renters residing in a property owned by the grantee, sub-grantee or the parent, subsidiary or affiliated organization of the sub-grantee
- ❖ Renter's or Homeowner's Insurance

Final eligibility is determined per the US Department of Housing & Urban Development regulations and guidance. For more information please visit: <https://www.hudexchange.info/programs/esg/esg-requirements/>

## 2016 INCOME LIMITS

Revised Annually by the Dept. of Housing & Urban Development (HUD)

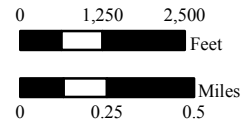
Annual Income Level	% of Area Median	Number of Persons In Household							
		1	2	3	4	5	6	7	8
Extremely Low Income	30%	\$13,450	\$16,020	\$20,160	\$24,300	\$28,440	\$32,580	\$36,730	\$40,880
Very Low Income	50%	\$22,400	\$25,600	\$28,800	\$31,950	\$34,550	\$37,100	\$39,650	\$42,200
Low Income	80%	\$35,800	\$40,900	\$46,000	\$51,100	\$55,200	\$59,300	\$63,400	\$67,500



# CITY OF MORENO VALLE CDBG TARGET AREAS

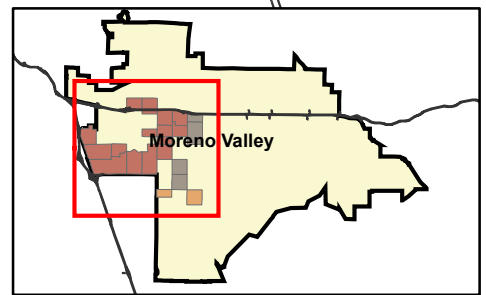
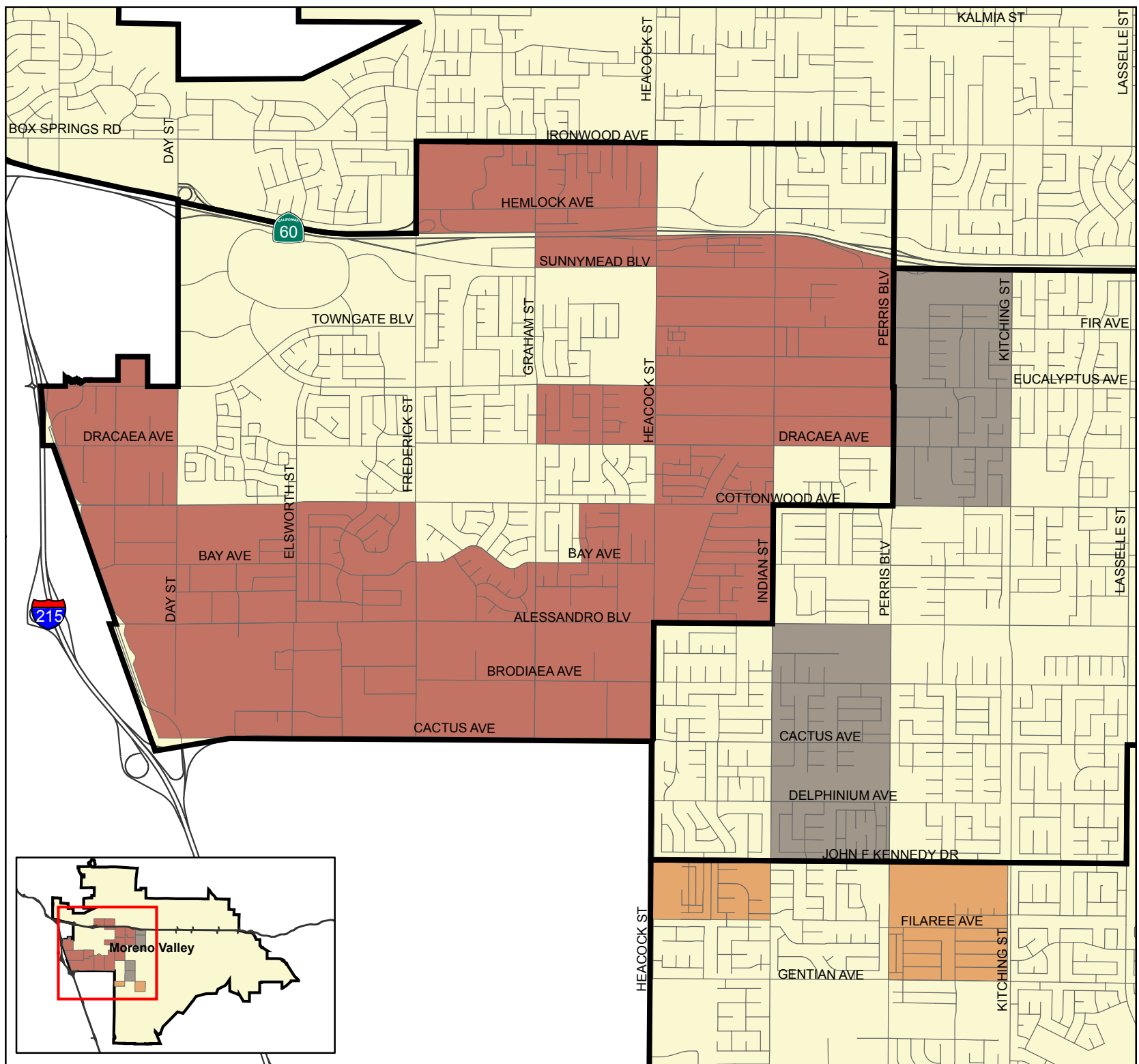
### CDBG Districts

- District 1
- District 3
- District 4
- Council District Boundaries
- Moreno Valley



**Map Produced by Moreno Valley Geographic Information System**  
 Geographic Information in:  
 State Plane NAD 83 California Zone 61  
 G:\ArcMap\Neighborhood Preservation  
 CDBG\_Target\_Areas2017.mxd  
 January 30, 2017

The information shown on this map was compiled from the Riverside County GIS and the City of Moreno Valley GIS. The land base and facility information on this map is for display purposes only and should not be relied upon without independent verification as to its accuracy. Riverside County and City of Moreno Valley not be held responsible for any claims, losses or damages resulting from the use of this map.



Attachment: Att 4 CDBG Target Areas Map 2017 [Revision 1] (2471 : PUBLIC HEARING TO APPROVE



## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Ahmad R. Ansari, P.E., Public Works Director/City Engineer

**AGENDA DATE:** March 21, 2017

**TITLE:** PUBLIC HEARING FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM MAIL BALLOT PROCEEDING

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### **RECOMMENDED ACTION**

#### **Recommendations: That the City Council:**

1. Conduct the Public Hearing and accept public testimony regarding the mail ballot proceedings for First Industrial, LP and Corona South Main Development for approval of the National Pollutant Discharge Elimination System (NPDES) maximum commercial/industrial regulatory rate to be applied to the property tax bill.
2. Direct the City Clerk to count the returned NPDES ballots.
3. Verify and accept the results of the mail ballot proceeding as maintained by the City Clerk on the Official Tally Sheet.
4. Receive and file the Official Tally Sheet with the City Clerk's office.
5. If approved, authorize and impose the NPDES maximum commercial/industrial regulatory rate to the Assessor's Parcel Numbers mentioned in this report.

### **SUMMARY**

The action before the City Council is to conduct a Public Hearing for two National Pollutant Discharge Elimination System (NPDES) mail ballot proceedings. The process to accept nineteen parcels into the City's NPDES funding program affects two property owners, not the general citizens or taxpayers of the City.

The City requires property owners of development projects to mitigate the cost of certain impacts created by the proposed development, such as the cost of complying with the state and federal NPDES requirements. As a condition of approval, the property owner is required to provide an ongoing funding source to offset those costs. The City offers a funding program to assist property owners in satisfying the funding requirement. After a property owner approves the City's NPDES rate through a mail ballot proceeding, the City can levy the rate on the property tax bill of the authorized parcel(s). Attachment 3 outlines the steps to participate in the City's NPDES funding program.

The revenue generated by this program provides a funding source to monitor pollution control of storm water runoff into municipally owned drainage facilities, lessening the financial impact of compliance with the state and federal requirements on the general taxpayer in Moreno Valley.

First Industrial, LP is approved to construct a 1.4 million square foot warehouse (southwest corner of Nandina Ave. and Indian St.) and Corona South Main Development is approved to construct an 8.54 acre commercial center (northeast corner of Day St. and Eucalyptus Ave.) (collectively the "Property Owners"). The Property Owners have requested the City conduct a mail ballot proceeding, which if approved, will satisfy their condition of approval to provide a funding source for NPDES funding.

## **DISCUSSION**

The Clean Water Act of 1987 established requirements for the discharge of Urban Runoff from Municipal Separate Storm Sewer Systems under the NPDES Program. The Santa Ana Regional Water Quality Control Board administers the NPDES Program through the issuance of a Permit. The NPDES Program requires public agencies to obtain coverage under the Permit to discharge urban storm water runoff from municipally owned drainage facilities, including streets, highways, storm drains, and flood control channels. The City's current NPDES Permit requires all new development projects comply with storm water management requirements.

As a condition of approval for development projects, the Land Development Division (Public Works Department) requires property owners to provide an ongoing funding source for the NPDES Program. The City Council adopted the NPDES residential regulatory rate on June 10, 2003, and the NPDES commercial/industrial regulatory rate on January 10, 2006. These funds support the increased compliance activities related to the development. They also reduce the financial impact to the General Fund to maintain compliance with the unfunded requirements of the Permit. The City's storm water management activities include annual and periodic facility inspections for site design, NPDES permit compliance, and implementation of Best Management Practices and maintenance for specified facilities.

The Property Owners are required to provide an ongoing funding source for the NPDES program as a condition of approval. Detailed parcel information for the properties subject to the condition of approval is listed in the following table.

Property Owner/Project	Assessor's Parcel Number(s)	Location	FY 2016/17 NPDES Maximum Rate(s)
First Industrial, LP PA13-0037	316-210-002, 316-210-003, 316-210-004, 316-210-005, 316-210-006, 316-210-007, 316-210-008, 316-210-009, 316-210-010, 316-210-011, 316-210-016, 316-210-017, 316-210-018, 316-210-051, 316-210-055	Southwest corner of Nandina Ave. and Indian St.	\$232.28/parcel commercial/industrial
Corona South Main Development PA15-0048	291-650-013, 291-650-014, 291-650-015, and 291-650-016	Northeast corner of Day St. and Eucalyptus Ave.	\$232.28/parcel commercial/ industrial rate

The Property Owners have two options to satisfy the condition of approval:

- 1) Approve the NPDES rate and authorize the City to collect the rate on the annual Riverside County property tax bill through participation in a mail ballot proceeding; or
- 2) Fund an endowment.

The Property Owners have decided to have the NPDES rate applied to the annual property tax bill. Before the City can levy the rate onto the annual property tax bill, the Property Owners must first approve it and authorize the City to do so through a mail ballot proceeding. A mail ballot proceeding is a legally required process to approve new charges, or an increase to existing charges, on property tax bills (Proposition 218). The Property Owners were mailed a notice and a ballot to cast their vote (Attachment 1 and 2). The notice detailed the purpose and amount of the charge and the potential annual inflationary adjustment. The City is required to provide the Property Owners with 45 days to review the notice and an opportunity to address the City Council. The Property Owners will have an opportunity to address the City Council during the public comment portion of the Public Hearing. The ballots are due to the City Clerk prior to the close of the Public Hearing. At the close of the Public Hearing, the ballots can be opened and counted, and results announced.

Approval of the NPDES annual rate and authorization to levy it on the annual property tax bill satisfies each project's condition of approval. In the event a Property Owner does not return their ballot, does not approve the ballot, or returns an invalid ballot (unmarked or unsigned), this condition of approval will remain unsatisfied and may delay the development. The ballot for each mail ballot proceeding will be counted separately to determine if the property owners approved inclusion of their respective properties in the program.

This action meets the Strategic Plan Priorities by managing and maximizing Moreno Valley's public infrastructure to ensure an excellent quality of life, develop and implement innovative, cost effective infrastructure maintenance programs, public facilities management strategies, and capital improvement programming and project delivery.

## **ALTERNATIVES**

1. Conduct the Public Hearing and upon its close, count and verify the returned ballots and accept the results. *Staff recommends this alternative as it will satisfy each project's condition of approval if the property owner approves their respective ballot.*
2. Open the Public Hearing and continue it to a future regular City Council meeting. *Staff does not recommend this alternative as it will delay announcement of the ballot results and may delay project development.*
3. Do not conduct the Public Hearing. *Staff does not recommend this alternative as it will delay the Property Owners from satisfying the condition of approval and may delay project development. Additional costs will be incurred to restart the 45-day noticing period.*
4. Do not conduct the Public Hearing at this time but reschedule it to a date certain during a regular City Council meeting. *Staff does not recommend this alternative as it may delay project development and will incur additional costs to restart the 45-day noticing period.*

## **FISCAL IMPACT**

The fiscal year (FY) 2016/17 NPDES maximum commercial/industrial regulatory rate is \$232.28 per parcel, and any division thereof. The NPDES maximum regulatory rate for FY 2017/18 and each subsequent FY is subject to an annual inflationary adjustment, provided the City Council approves such increase each year. The annual increase cannot exceed the annual inflationary adjustment without approval of the property owners subject to the charge.

Revenue received from the NPDES rate is restricted and can only be used within the storm water management program. This revenue offsets storm water management program expenses, which reduces financial impacts to the General Fund and maintains compliance with the unfunded requirements of the Permit. The NPDES rate is only applied to the property tax bills of parcels wherein their property owners have previously provided approval.

## **NOTIFICATION**

The ballot documents were mailed to the Property Owners at least 45-days in advance of the Public Hearing. The documents included a notice to the Property Owner, map of the project area, NPDES ballot, NPDES commercial/industrial rate schedule, instructions for marking and returning the ballot, and a postage paid return envelope addressed to the City Clerk.

Newspaper advertising for the March 21, 2017 Public Hearing was published in The Press-Enterprise on March 2, 2017 and again on March 9, 2017.

**PREPARATION OF STAFF REPORT**

Prepared by:  
Candace E. Cassel  
Special Districts Division Manager

Department Head Approval:  
Ahmad R. Ansari, P.E.  
Public Works Director/City Engineer

Concurred by:  
Michael Lloyd  
Land Development Division Manager

**CITY COUNCIL GOALS**

**Advocacy.** Develop cooperative intergovernmental relationships and be a forceful advocate of City policies, objectives, and goals to appropriate external governments, agencies and corporations.

**Revenue Diversification and Preservation.** Develop a variety of City revenue sources and policies to create a stable revenue base and fiscal policies to support essential City services, regardless of economic climate.

**CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

See the Discussion section above for details of how this action supports the City Council’s Strategic Priorities.

**ATTACHMENTS**

- 1. First Industrial, LP Mail Ballot Documents
- 2. Corona South Main Development Mail Ballot Documents
- 3. Flowchart

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	2/28/17 12:54 PM
City Attorney Approval	<u>✓ Approved</u>	3/08/17 9:52 AM
City Manager Approval	<u>✓ Approved</u>	3/08/17 3:38 PM



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 FAX: 951.413.3498  
 WWW.MOVAL.ORG



14331 FREDERICK STREET, SUITE 2  
 P. O. BOX 88005  
 MORENO VALLEY, CA 92552-0805

First Industrial, LP  
 Attn: Ryan McClean  
 898 N Sepulveda Blvd, Suite 175  
 El Segundo, CA 90245

February 2, 2017

**NOTICE TO PROPERTY OWNER-MAIL BALLOT PROCEEDING FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MAXIMUM COMMERCIAL/INDUSTRIAL REGULATORY RATE FOR APNs 316-210-002, 316-210-003, 316-210-004, 316-210-005, 316-210-006, 316-210-007, 316-210-008, 316-210-009, 316-210-010, 316-210-011, 316-210-016, 316-210-017, 316-210-018, 316-210-051, and 316-210-055**

**\*\*\*\*\* OFFICIAL BALLOT ENCLOSED \*\*\*\*\***

### Introduction

In November of 1996, California voters passed Proposition 218 (“The Right to Vote on Taxes Act”). As a result, any new or proposed increase in a property-related charge requires approval by the property owner of record. In compliance with Proposition 218 legislation, the City of Moreno Valley Special Districts Division is conducting a mail ballot proceeding to provide the owner of Assessor’s Parcel Numbers (APNs) 316-210-002, 316-210-003, 316-210-004, 316-210-005, 316-210-006, 316-210-007, 316-210-008, 316-210-009, 316-210-010, 316-210-011, 316-210-016, 316-210-017, 316-210-018, 316-210-051, and 316-210-055 the opportunity to express support for or opposition to the approval of the NPDES Maximum Commercial/Industrial Regulatory Rate and services. Approval of the NPDES Maximum Commercial/Industrial Regulatory Rate through a mail ballot proceeding fulfills Land Development Division’s Condition of Approval LD52 to provide a funding source for the NPDES financial program.

### Background

The Clean Water Act of 1987 established requirements for the discharge of Urban Runoff from Municipal Separate Storm Sewer Systems under the National Pollution Discharge Elimination System (NPDES) Program. The NPDES Program is administered by the Santa Ana Regional Water Quality Control Board through the issuance of a Permit. The City’s current NPDES Permit mandates all new development projects comply with storm water management activities. The NPDES Program requires public agencies to obtain coverage under the Permit to discharge urban storm water runoff from municipally owned drainage facilities, including streets, highways, storm drains, and flood control channels.

### Services Provided

In compliance with the Federal Clean Water Act, the City of Moreno Valley shall provide annual and periodic facility inspections for site design, NPDES permit compliance, and Best Management Practices implementation and maintenance for specified facilities.

Attachment: First Industrial, LP Mail Ballot Documents (2455 : PUBLIC HEARING FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION

**How is the Amount of the Charge Determined?**

Each fiscal year (FY), the City of Moreno Valley determines the type of services necessary to comply with NPDES Permit requirements and levies the rate applicable for that service, not to exceed the rate previously approved by the property owner.

**Proposed Charge**

For FY 2016/17, the NPDES Maximum Commercial/Industrial Regulatory Rate is \$232.28 per parcel. The total amount of the NPDES rates levied for FY 2016/17 for the program as a whole was \$460,001.98.

**Annual Adjustment**

Beginning in FY 2017/18, the NPDES Maximum Commercial/Industrial Regulatory Rate will be subject to an annual adjustment based on the percentage change calculated for the previous year in the Los Angeles-Riverside-Orange County Regional Consumer Price Index for All Urban Consumers, as published by the Department of Labor’s Bureau of Labor Statistics.

**Duration of the Charge**

Upon approval of the NPDES Maximum Commercial/Industrial Regulatory Rate, the annual levy amount will be assessed to APNs 316-210-002, 316-210-003, 316-210-004, 316-210-005, 316-210-006, 316-210-007, 316-210-008, 316-210-009, 316-210-010, 316-210-011, 316-210-016, 316-210-017, 316-210-018, 316-210-051, and 316-210-055 (and any division thereof) and shall be placed on the Riverside County property tax bill or included as a monthly charge on a utility bill. The NPDES Maximum Commercial/Industrial Regulatory Rate will be levied each following year at the proposed rate, which includes an annual inflation adjustment.

**Public Hearing**

To provide information concerning this mail ballot proceeding the City has scheduled a Public Hearing, which will be held at the **Moreno Valley City Hall Council Chamber located at 14177 Frederick Street, Moreno Valley.**

**Public Hearing**  
Tuesday, March 21, 2017  
6:00 P.M.  
(Or As Soon Thereafter As The  
Matter May Be Called)

Tabulation of returned ballots will commence after the close of the public testimony portion of the Public Hearing. All ballots received shall be tabulated under the direction of the City Clerk in compliance with the City’s Policy For Conducting Mail Ballot Proceedings Policy #1.12.

**Effect if the Charge is Approved**

Approval of the NPDES Maximum Commercial/Industrial Regulatory Rate will be confirmed if the ballot is marked in favor of the NPDES rate. Approving the NPDES Maximum Commercial/Industrial Regulatory Rate through a mail ballot proceeding will fulfill the Land Development Division’s Condition of Approval LD52 to provide an ongoing funding source for the NPDES financial program.

Attachment: First Industrial, LP Mail Ballot Documents (2455 : PUBLIC HEARING FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION

### Effect if the Charge is Not Approved

Not approving the NPDES Maximum Commercial/Industrial Regulatory Rate to meet state and federally mandated NPDES Permit requirements will not satisfy the Land Development Division's Condition of Approval LD52 to provide a funding source for the NPDES financial program. If the returned ballot is marked "No", the NPDES rate will not be levied on the property tax bill.

### Effect if the Ballot is Deemed Invalid or Incomplete

Not marking the corresponding box on the ballot in support of or opposition to the proposed program and annual rate and/or not signing the ballot will result in an invalid ballot. In order to satisfy the Land Development Division's Condition of Approval LD52 by placement of the NPDES rate on the annual property tax bill, the mail ballot proceeding and 45-day noticing period will need to start over. Reinitiating the process will require payment of the mail ballot proceeding fee.

### For More Information

If you have any questions about the mail ballot proceeding process, please contact Jennifer Terry, Senior Management Analyst, with the City's Special Districts Division at 951.413.3505 or via email at [JenniferT@moval.org](mailto:JenniferT@moval.org) during the City's business hours.

Questions regarding the NPDES financial program, the annual rate, or the Land Development Division's Conditions of Approval should be directed to the Land Development Division at 951.413.3120 or via email at [landdevelopment@moval.org](mailto:landdevelopment@moval.org) during the City's business hours.

The City's business hours are Monday through Thursday from 7:30 a.m. to 5:30 p.m. and Friday from 7:30 a.m. to 4:30 p.m.

### Completing Your Ballot

Please follow the instructions below to complete and return your ballot. Procedures for the completion, return, and tabulation of the ballot are also on file in the City Clerk's office.

1. Mark the enclosed ballot in support of or opposition to the proposed program and annual rate **by placing a mark in the corresponding box.** Ballots received without a designated vote will be considered invalid.
2. Sign your name on the ballot. Ballots received without signature(s) will be considered invalid *and will not be counted.*
3. Mail or personally deliver your completed ballot in a sealed envelope to the City Clerk's office, 14177 Frederick Street, Moreno Valley, California, 92553. For your convenience, a postage-paid envelope has been included for return of the ballot.
4. Ballot(s) must be **received** by the City Clerk prior to the close of the public testimony portion of the Public Hearing scheduled for **Tuesday, March 21, 2017**, at the Moreno Valley City Hall Council Chamber. The Public Hearing will be held at 6:00 p.m. or as soon thereafter as the matter may be called. Ballots received after the close of the Public Hearing cannot be legally counted.

### Ballot Marks

Appropriate ballot markings include any one of the following for either the YES/Approved or NO/Not Approved blank box:



A check mark substantially inside a box;



An X mark substantially inside a box;



A dot or oval mark substantially inside a box;



A completely shaded or filled mark substantially inside a box;



A line, single or dashed, or combination of lines, through the box area. Lines may be any one of the following marks: horizontal, vertical, or diagonal. The mark may either run from side to side or corner to corner. All valid lines must be substantially within the box area and not marking any part of another blank box on the ballot;



A circle around the box and/or associated clause; or



A square or rectangle around the box and/or associated clause.

Balloting marks shall not extend past one box area into any portion of another nor surround the perimeter or any portion of more than one box area. Markings that extend past one box area into any portion of another or surround the perimeter or any portion of more than one box area shall be considered invalid and not counted.

**Ballot Mark Revisions (Changes):** An error or desire to revise (change) a selection made on the ballot may be completed and returned any time **prior** to the conclusion of public testimony at the Public Hearing. **The revision must be initialed by the record owner(s) of property. Initials must be clearly printed and placed at the right top corner of the revised selection.**

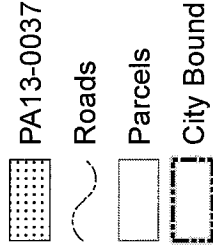
**COMMON INTEREST, COMMERCIAL, INDUSTRIAL AND QUASI-PUBLIC USE NPDES RATE SCHEDULE**  
 Adopted by the City Council on January 10, 2006

LEVEL 1		LEVEL II	
<b>NPDES Administration</b> <i>(Not covered by CSA 152)</i>		<b>Site Design, Source Control and Treatment Control BMPs Monitoring and Maintenance</b>	
Costs associated with personnel, administration and management of the storm water management program. Administrative tasks include development and filing of various stormwater reports and data collection and management.	Costs associated with stormwater and non-stormwater runoff monitoring, inspection of the project's site design, source control and treatment control BMPs; evaluation of site stormwater compliance activities, review of site-specific technical reports and treatment control BMP maintenance records.	Fiscal Year (FY) 2005/2006 - Base Year Calculation, subject to an annual inflation factor based on the Los Angeles-Riverside-Orange County Regional Consumer Price Index for All Urban Consumers, as published by the Department of Labor's Bureau of Labor Statistics	Costs associated with stormwater and non-stormwater runoff monitoring, inspection of the project's site design, source control and treatment control BMPs; evaluation of site stormwater compliance activities, review of site-specific technical reports and treatment control BMP maintenance records.
Level I is levied on all parcels conditioned for the NPDES Rate Schedule.			
<b>PARCEL RATE</b>	<b>Per Month</b>	<b>Per Year</b>	<b>PARCEL RATE</b>
	\$3.39	\$40.62	Per Month \$15.97 Per Year \$191.66

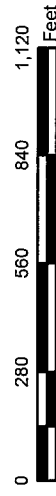
**Inflation Factor Adjustments**

- FY 2006/2007 - 4.5% = (\$33.00 & \$158.00)
- FY 2007/2008 - 3.1% = (\$34.00 & \$163.00)
- FY 2008/2009 - 4.2% = (\$35.00 & \$170.00)
- FY 2009/2010 - no change = (\$35.00 & \$170.00)
- FY 2010/2011 - no change = (\$35.00 & \$170.00)
- FY 2011/2012 - 3.8% = (\$36.00 & \$176.00)
- FY 2012/2013 - 2.7% = (\$37.00 & \$181.00)
- FY 2013/2014 - 2.0% = (\$38.00 & \$185.00) rounded to the nearest dollar
- FY 2014/2015 - 1.14% = (\$39.52 & \$186.49) Pursuant to City Council approval on June 10, 2014.
- FY 2015/2016 - 0.73% = (\$39.81 & \$187.85)
- FY 2016/2017 - 2.03% = (\$40.62 & \$191.66)

# First Industrial, LP Proposed 1.4 Million SF Warehouse



Map reflects all changes indicated on Riverside County Assessor Maps as of October 12, 2016.



G:\V\PA\SDA\PA13-0037.mxd

The information shown on this map was compiled from the Riverside County GIS and the City of Moreno Valley GIS. The land base and facility information on this map is for display purposes only and should not be relied upon without independent verification as to its accuracy. Data and information on this map is subject to update and modification. Riverside County and City of Moreno Valley will not be held responsible for any claims, losses or damages resulting from the use of this map. This map is not to be recopied or resold.





**OFFICIAL MAIL BALLOT for Assessor's Parcel Numbers (APNs)  
316-210-002, 316-210-003, 316-210-004, 316-210-005, 316-210-006,  
316-210-007, 316-210-008, 316-210-009, 316-210-010, 316-210-011,  
316-210-016, 316-210-017, 316-210-018, 316-210-051, and 316-210-055  
National Pollutant Discharge Elimination System (NPDES)  
Maximum Commercial/Industrial Regulatory Rate**

**YES\*** — as property owner of APNs 316-210-002, 316-210-003, 316-210-004, 316-210-005, 316-210-006, 316-210-007, 316-210-008, 316-210-009, 316-210-010, 316-210-011, 316-210-016, 316-210-017, 316-210-018, 316-210-051, and 316-210-055, **I approve** the NPDES Maximum Commercial/Industrial Regulatory Rate and services. For fiscal year (FY) 2016/17, the NPDES Maximum Commercial/Industrial Regulatory Rate is \$232.28 per parcel. Upon approval of the maximum regulatory rate, the annual levy amount shall be placed on the annual Riverside County property tax bill or included as a monthly charge on a utility bill. Beginning FY 2017/18, the maximum regulatory rate will be subject to an annual adjustment based on the percentage change calculated for the previous year in the Los Angeles-Riverside-Orange County Regional Consumer Price Index for All Urban Consumers, as published by the Department of Labor's Bureau of Labor Statistics. The City shall provide annual and periodic facility inspections for site design, NPDES permit compliance, and Best Management Practices implementation and maintenance for specified facilities.

**NO\*\*** — as property owner of APNs 316-210-002, 316-210-003, 316-210-004, 316-210-005, 316-210-006, 316-210-007, 316-210-008, 316-210-009, 316-210-010, 316-210-011, 316-210-016, 316-210-017, 316-210-018, 316-210-051, and 316-210-055, **I do not approve** the NPDES Maximum Commercial/Industrial Regulatory Rate and services. I understand that not approving the NPDES Maximum Commercial/Industrial Regulatory Rate to fund state and federally mandated NPDES Permit requirements will not satisfy the project's Conditions of Approval. The NPDES maximum commercial/industrial regulatory rate will not be levied on the annual Riverside County property tax bill.

YES*	NO**	Weighted Ballot Count*	Fiscal Year 2016/17 NPDES Maximum Commercial/Industrial Regulatory Rate per Parcel
<input type="checkbox"/>	<input type="checkbox"/>	15	\$232.28

\*Each Assessor's Parcel Number equals 1 Weighted Ballot.

**This ballot must be received by the City Clerk of the City of Moreno Valley prior to the close of the public testimony portion of the Public Hearing to be held on March 21, 2017, at the Moreno Valley City Hall Council Chamber, 14177 Frederick Street, Moreno Valley, California. The Public Hearing will be held at 6:00 p.m. or as soon thereafter as the matter may be called.**

\_\_\_\_\_  
PROPERTY OWNER SIGNATURE

\_\_\_\_\_  
DATE

Please remember to mark the appropriate box, sign and date the ballot, and return to the City Clerk's office in the enclosed envelope prior to the close of the public testimony portion of the March 21, 2017 Public Hearing.

Ballot(s) deemed invalid or incomplete will be discarded and a new process must be initiated in order to place the charge on the annual Riverside County property tax bill, which includes payment of the mail ballot fee.

TEL: 951.413.3480  
 FAX: 951.413.3498  
 WWW.MOVAL.ORG



14331 FREDERICK STREET, SUITE 2  
 P. O. BOX 88005  
 MORENO VALLEY, CA 92552-0805

Corona South Main Development  
 Attn: Jeff Troesh  
 1370 Jet Stream Dr. No. 100  
 Henderson, NV 89052

February 2, 2017

**NOTICE TO PROPERTY OWNER-MAIL BALLOT PROCEEDING FOR THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) MAXIMUM COMMERCIAL/INDUSTRIAL REGULATORY RATE FOR APNs 291-650-013, 291-650-014, 291-650-015, and 291-650-016.**

**\*\*\*\*\* OFFICIAL BALLOT ENCLOSED \*\*\*\*\***

**Introduction**

In November of 1996, California voters passed Proposition 218 (“The Right to Vote on Taxes Act”). As a result, any new or proposed increase in a property-related charge requires approval by the property owner of record. In compliance with Proposition 218 legislation, the City of Moreno Valley Special Districts Division is conducting a mail ballot proceeding to provide the owner of Assessor’s Parcel Numbers (APNs) 291-650-013, 291-650-014, 291-650-015, and 291-650-016 the opportunity to express support for or opposition to the approval of the NPDES Maximum Commercial/Industrial Regulatory Rate and services. Approval of the NPDES Maximum Commercial/Industrial Regulatory Rate through a mail ballot proceeding fulfills Land Development Division’s Condition of Approval LD60 to provide a funding source for the NPDES financial program.

**Background**

The Clean Water Act of 1987 established requirements for the discharge of Urban Runoff from Municipal Separate Storm Sewer Systems under the National Pollution Discharge Elimination System (NPDES) Program. The NPDES Program is administered by the Santa Ana Regional Water Quality Control Board through the issuance of a Permit. The City’s current NPDES Permit mandates all new development projects comply with storm water management activities. The NPDES Program requires public agencies to obtain coverage under the Permit to discharge urban storm water runoff from municipally owned drainage facilities, including streets, highways, storm drains, and flood control channels.

**Services Provided**

In compliance with the Federal Clean Water Act, the City of Moreno Valley shall provide annual and periodic facility inspections for site design, NPDES permit compliance, and Best Management Practices implementation and maintenance for specified facilities.

**How is the Amount of the Charge Determined?**

Each fiscal year (FY), the City of Moreno Valley determines the type of services necessary to

comply with NPDES Permit requirements and levies the rate applicable for that service, not to exceed the rate previously approved by the property owner.

**Proposed Charge**

For FY 2016/17, the NPDES Maximum Commercial/Industrial Regulatory Rate is \$232.28 per parcel. The total amount of the NPDES rates levied for FY 2016/17 for the program as a whole was \$460,001.98.

**Annual Adjustment**

Beginning in FY 2017/18, the NPDES Maximum Commercial/Industrial Regulatory Rate will be subject to an annual adjustment based on the percentage change calculated for the previous year in the Los Angeles-Riverside-Orange County Regional Consumer Price Index for All Urban Consumers, as published by the Department of Labor’s Bureau of Labor Statistics.

**Duration of the Charge**

Upon approval of the NPDES Maximum Commercial/Industrial Regulatory Rate, the annual levy amount will be assessed to APNs 291-650-013, 291-650-014, 291-650-015, and 291-650-016 (and any division thereof) and shall be placed on the Riverside County property tax bill or included as a monthly charge on a utility bill. The NPDES Maximum Commercial/Industrial Regulatory Rate will be levied each following year at the proposed rate, which includes an annual inflation adjustment.

**Public Hearing**

To provide information concerning this mail ballot proceeding the City has scheduled a Public Hearing, which will be held at the **Moreno Valley City Hall Council Chamber located at 14177 Frederick Street, Moreno Valley.**

<p style="text-align: center;"><b><u>Public Hearing</u></b> Tuesday, March 21, 2017 6:00 P.M. (Or As Soon Thereafter As The Matter May Be Called)</p>
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Tabulation of returned ballots will commence after the close of the public testimony portion of the Public Hearing. All ballots received shall be tabulated under the direction of the City Clerk in compliance with the City’s Policy For Conducting Mail Ballot Proceedings Policy #1.12.

**Effect if the Charge is Approved**

Approval of the NPDES Maximum Commercial/Industrial Regulatory Rate will be confirmed if the ballot is marked in favor of the NPDES rate. Approving the NPDES Maximum Commercial/Industrial Regulatory Rate through a mail ballot proceeding will fulfill the Land Development Division’s Condition of Approval LD60 to provide an ongoing funding source for the NPDES financial program.

**Effect if the Charge is Not Approved**

Not approving the NPDES Maximum Commercial/Industrial Regulatory Rate to meet state and federally mandated NPDES Permit requirements will not satisfy the Land Development Division’s Condition of Approval LD60 to provide a funding source for the NPDES financial

Attachment: Corona South Main Development Mail Ballot Documents (2455 : PUBLIC HEARING FOR THE NATIONAL POLLUTANT DISCHARGE

program. If the returned ballot is marked “No”, the NPDES rate will not be levied on the property tax bill.

### **Effect if the Ballot is Deemed Invalid or Incomplete**

Not marking the corresponding box on the ballot in support of or opposition to the proposed program and annual rate and/or not signing the ballot will result in an invalid ballot. In order to satisfy the Land Development Division’s Condition of Approval LD60 by placement of the NPDES rate on the annual property tax bill, the mail ballot proceeding and 45-day noticing period will need to start over. Reinitiating the process will require payment of the mail ballot proceeding fee.

### **For More Information**

If you have any questions about the mail ballot proceeding process, please contact Jennifer Terry, Senior Management Analyst, with the City’s Special Districts Division at 951.413.3505 or via email at [JenniferT@moval.org](mailto:JenniferT@moval.org) during the City’s business hours.

Questions regarding the NPDES financial program, the annual rate, or the Land Development Division’s Conditions of Approval should be directed to the Land Development Division at 951.413.3120 or via email at [landdevelopment@moval.org](mailto:landdevelopment@moval.org) during the City’s business hours.

The City’s business hours are Monday through Thursday from 7:30 a.m. to 5:30 p.m. and Friday from 7:30 a.m. to 4:30 p.m.








### **Completing Your Ballot**

Please follow the instructions below to complete and return your ballot. Procedures for the completion, return, and tabulation of the ballot are also on file in the City Clerk’s office.

1. Mark the enclosed ballot in support of or opposition to the proposed program and annual rate **by placing a mark in the corresponding box.** Ballots received without a designated vote will be considered invalid.
2. Sign your name on the ballot. Ballots received without signature(s) will be considered invalid *and will not be counted.*
3. Mail or personally deliver your completed ballot in a sealed envelope to the City Clerk’s office, 14177 Frederick Street, Moreno Valley, California, 92553. For your convenience, a postage-paid envelope has been included for return of the ballot.
4. Ballot(s) must be **received** by the City Clerk prior to the close of the public testimony portion of the Public Hearing scheduled for **Tuesday, March 21, 2017**, at the Moreno Valley City Hall Council Chamber. The Public Hearing will be held at 6:00 p.m. or as soon thereafter as the matter may be called. Ballots received after the close of the Public Hearing cannot be legally counted.

### **Ballot Marks**

Appropriate ballot markings include any one of the following for either the YES/Approved or NO/Not Approved blank box:








-  A check mark substantially inside a box;
-  An X mark substantially inside a box;
-  A dot or oval mark substantially inside a box;
-  A completely shaded or filled mark substantially inside a box;
-  A line, single or dashed, or combination of lines, through the box area. Lines may be any one of the following marks: horizontal, vertical, or diagonal. The mark may either run from side to side or corner to corner. All valid lines must be substantially within the box area and not marking any part of another blank box on the ballot;
-  A circle around the box and/or associated clause; or
-  A square or rectangle around the box and/or associated clause.

Balloting marks shall not extend past one box area into any portion of another nor surround the perimeter or any portion of more than one box area. Markings that extend past one box area into any portion of another or surround the perimeter or any portion of more than one box area shall be considered invalid and not counted.

**Ballot Mark Revisions (Changes):** An error or desire to revise (change) a selection made on the ballot may be completed and returned any time **prior** to the conclusion of public testimony at the Public Hearing. **The revision must be initialed by the record owner(s) of property. Initials must be clearly printed and placed at the right top corner of the revised selection.**



# Corona South Main Development PA15-0048

-  291650015
-  291650014
-  291650013
-  291650016
-  Parcels
-  City Boundary
-  Roads

Map reflects all changes indicated on Riverside County Assessor Maps as of February 1, 2017.



G:\AVP\SDA\Corona South Main PA15-0048.mxd

The information shown on this map was compiled from the Riverside County GIS and the City of Moreno Valley GIS. The land base and facility information on this map is for display purposes only and should not be relied upon without independent verification as to its accuracy. Data and information on this map is subject to update and modification. Riverside County and City of Moreno Valley will not be held responsible for any claims, losses or damages resulting from the use of this map. This map is not to be recopied or resold.





**COMMON INTEREST, COMMERCIAL, INDUSTRIAL AND QUASI-PUBLIC USE NPDES RATE SCHEDULE**  
 Adopted by the City Council on January 10, 2006

LEVEL 1		LEVEL II	
<b>NPDES Administration</b> <i>(Not covered by CSA 152)</i>		<b>Site Design, Source Control and Treatment Control BMPs Monitoring and Maintenance</b>	
Costs associated with personnel, administration and management of the storm water management program. Administrative tasks include development and filing of various stormwater reports and data collection and management.  Level I is levied on all parcels conditioned for the NPDES Rate Schedule.		Costs associated with stormwater and non-stormwater runoff monitoring, inspection of the project's site design, source control and treatment control BMPs; evaluation of site stormwater compliance activities, review of site-specific technical reports and treatment control BMP maintenance records.	
<b>PARCEL RATE</b>		<b>PARCEL RATE</b>	
Per Month	Per Year	Per Month	Per Year
\$3.39	\$40.62	\$15.97	\$191.66

**Fiscal Year (FY) 2005/2006 - Base Year Calculation, subject to an annual inflation factor based on the Los Angeles-Riverside-Orange County Regional Consumer Price Index for All Urban Consumers, as published by the Department of Labor's Bureau of Labor Statistics**

***Inflation Factor Adjustments***

- FY 2006/2007 - 4.5% = (\$33.00 & \$158.00)
- FY 2007/2008 - 3.1% = (\$34.00 & \$163.00)
- FY 2008/2009 - 4.2% = (\$35.00 & \$170.00)
- FY 2009/2010 - no change = (\$35.00 & \$170.00)
- FY 2010/2011 - no change = (\$35.00 & \$170.00)
- FY 2011/2012 - 3.8% = (\$36.00 & \$176.00)
- FY 2012/2013 - 2.7% = (\$37.00 & \$181.00)
- FY 2013/2014 - 2.0% = (\$38.00 & \$185.00) rounded to the nearest dollar
- FY 2014/2015 - 1.14% = (\$39.52 & \$186.49) Pursuant to City Council approval on June 10, 2014.
- FY 2015/2016 - 0.73% = (\$39.81 & \$187.85)
- FY 2016/2017 - 2.03% = (\$40.62 & \$191.66)

**OFFICIAL MAIL BALLOT for Assessor's Parcel Numbers (APNs)  
291-650-013, 291-650-014, 291-650-015, and 291-650-016  
National Pollutant Discharge Elimination System (NPDES)  
Maximum Commercial/Industrial Regulatory Rate**

**YES\*** — as property owner of APNs 291-650-013, 291-650-014, 291-650-015, and 291-650-016, **I approve** the NPDES Maximum Commercial/Industrial Regulatory Rate and services. For fiscal year (FY) 2016/17, the NPDES Maximum Commercial/Industrial Regulatory Rate is \$232.28 per parcel. Upon approval of the maximum regulatory rate, the annual levy amount shall be placed on the annual Riverside County property tax bill or included as a monthly charge on a utility bill. Beginning FY 2017/18, the maximum regulatory rate will be subject to an annual adjustment based on the percentage change calculated for the previous year in the Los Angeles-Riverside-Orange County Regional Consumer Price Index for All Urban Consumers, as published by the Department of Labor's Bureau of Labor Statistics. The City shall provide annual and periodic facility inspections for site design, NPDES permit compliance, and Best Management Practices implementation and maintenance for specified facilities.

**NO\*\*** — as property owner of APNs 291-650-013, 291-650-014, 291-650-015, and 291-650-016, **I do not approve** the NPDES Maximum Commercial/Industrial Regulatory Rate and services. I understand that not approving the NPDES Maximum Commercial/Industrial Regulatory Rate to fund state and federally mandated NPDES Permit requirements will not satisfy the project's Conditions of Approval. The NPDES maximum commercial/industrial regulatory rate will not be levied on the annual Riverside County property tax bill.

YES*	NO**	Weighted Ballot Count*	Fiscal Year 2016/17 NPDES Maximum Commercial/Industrial Regulatory Rate per Parcel
<input type="checkbox"/>	<input type="checkbox"/>	4	\$232.28

\*Each Assessor's Parcel Number equals 1 Weighted Ballot.

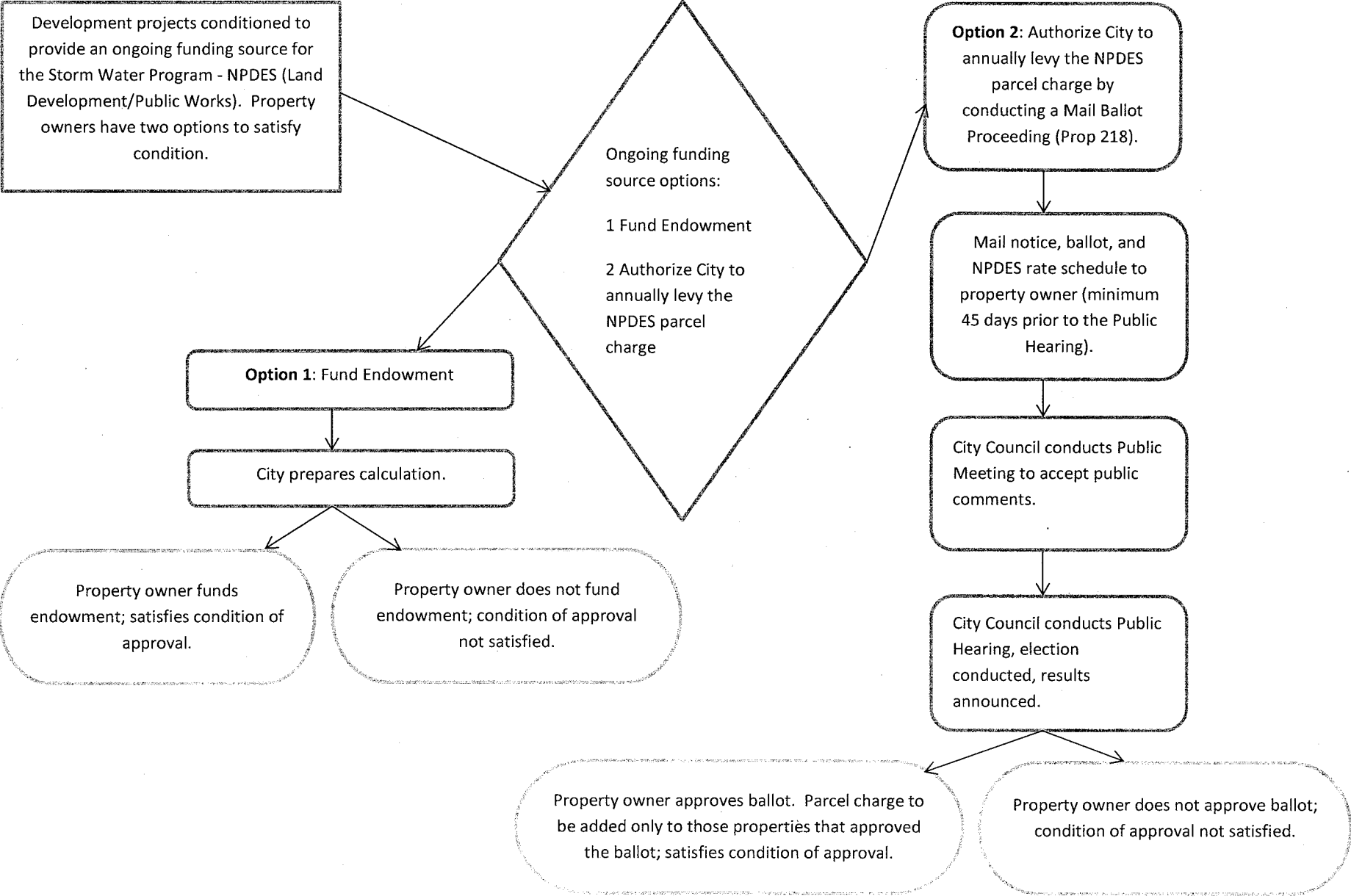
**This ballot must be received by the City Clerk of the City of Moreno Valley prior to the close of the public testimony portion of the Public Hearing to be held on March 21, 2017, at the Moreno Valley City Hall Council Chamber, 14177 Frederick Street, Moreno Valley, California. The Public Hearing will be held at 6:00 p.m. or as soon thereafter as the matter may be called.**

\_\_\_\_\_  
PROPERTY OWNER SIGNATURE                      DATE

Please remember to mark the appropriate box, sign and date the ballot, and return to the City Clerk's office in the enclosed envelope prior to the close of the public testimony portion of the March 21, 2017 Public Hearing.

Ballot(s) deemed invalid or incomplete will be discarded and a new process must be initiated in order to place the charge on the annual Riverside County property tax bill, which includes payment of the mail ballot fee.

# Process Flow for Property Owners/Developers to Satisfy Funding Requirement for the Storm Water Program



Attachment: Flowchart (2455 : PUBLIC HEARING FOR THE NATIONAL POLLUTANT DISCHARGE

This process flow is simplified for illustration purposes. Contact the Special Districts Division at 951.413.3480 for the detailed process.

November 12, 2014



## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Michelle Dawson, City Manager

**AGENDA DATE:** March 21, 2017

**TITLE:** MOMENTUM MOVAL: STATUS UPDATE ON STRATEGIC PLAN

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### **RECOMMENDED ACTION**

#### **Recommendation:**

1. That the City Council receive and file the City Manager's status update on Momentum MoVal Strategic Plan objectives and initiatives.

### **SUMMARY**

This report includes a status update on Momentum MoVal, the Strategic Plan adopted by the City Council in August, 2016.

### **DISCUSSION**

Momentum MoVal identifies the City's top priorities for the next five years and serves as the primary work plan for efforts of all City employees to fulfill the direction provided by the City Council. Staff's collective efforts are focused on the following priorities:

- Economic Development
- Public Safety
- Library
- Infrastructure
- Beautification, Community Engagement, and Quality of Life
- Youth Programs

The Strategic Plan features detailed objectives and specific initiatives to achieve the Council's priorities.

Because strategic vision and accountability go hand in hand, progress in accomplishing the 160+ initiatives/action items is reported regularly and publicly. Previous status

updates were provided to the City Council on November 1, 2016 and January 3, 2017. This report focuses on the status of the initiatives that are identified to be achieved within the first 6 months since Momentum MoVal was adopted.

The six-month mark since adoption was February 16, 2017 and staff is pleased to report that all of the initiatives slated for implementation or conclusion during this initial period have largely been accomplished. This is indicated on the attached matrix. The following are highlights of the activity on some of these shorter term action items since the last update to the City Council:

### Priority: Economic Development

**Objective 1.8: Evaluate staff resources and dedicate City funding to invest in aggressive Economic Development activities that will result in increased revenues to the City, additional employment opportunities, and enhanced quality of life for our residents.**

Initiative 1.8.2: Evaluate hiring two (2) full time staff members, or equivalent outsourced support, for workforce development, including oversight of the Hire MoVal program, operations at the Moreno Valley Employment Resource Center, job readiness workshops, partnership and relationship building, and new job training initiatives. (6 months for first hire, 18 months for second hire)

On February 7 the City Council approved a new Senior Management Analyst position to support business attraction, marketing efforts, business support services and small business development.

### Priority: Public Safety

**Objective 2.3: Promote the concept of community policing with residents and Department members.**

Initiative 2.3.2: Work with new and existing affordable housing providers to help them solve problems and promote a Crime-Free Multi-housing Program. (6 months)

The Moreno Valley Police Department (MVPD) continued building relationships with apartment managers. In January, they hosted a meeting with more than 20 managers to discuss crime free multi-housing strategies to improve quality of life in multi-family facilities. MVPD anticipates 3-4 meetings annually.

**Objective 2.11: Protect people and property against animal related injury and nuisance through enforcement of local and state animal welfare laws and ordinances.**

Initiative 2.11.3: Conduct weekly proactive patrols in close proximity to schools, parks and areas identified as having the greatest number of stray animals reported in an effort to reduce dog bites by 5%. (6 months)

Animal Services analyzed dog bite data over several years via the City's Geographic Information Systems and is conducting additional patrols and educational outreach in areas with the greatest number of bites. Dog bites decreased by 16% over the past year.

Priority: Infrastructure**Objective 4.2: Develop and maintain a comprehensive Infrastructure Plan to invest in and deliver City infrastructure.**

Initiative 4.2.1: Present initial infrastructure needs assessment information to the City Council at a study session. (6 months)

Presentation provided to the City Council at the February 14 Study Session.

Priority: Beautification, Community Engagement, and Quality of Life**Objective 5.1: Establish partnerships and volunteer programs with residents, business groups and service clubs to beautify our community.**

Initiative 5.1.2: Establish an annual Day of Volunteerism. (6 months)

Nearly 150 volunteers participated in the City's first Community Day of Service on Saturday, February 25 at March Field Park and Hidden Springs Park.

**ALTERNATIVES**

Alternative 1: Receive and file the City Manager's status update on Momentum MoVal Strategic Plan objectives and initiatives. *Staff recommends this alternative as accountability and the reporting of progress is an integral part of advancing the priorities in Momentum MoVal.*

Alternative 2: Do not receive and file the City Manager's status update on Momentum MoVal Strategic Plan objectives and initiatives. *Staff does not recommend this alternative.*

**FISCAL IMPACT**

None.

**NOTIFICATION**

None.

**PREPARATION OF STAFF REPORT**

Prepared By:  
Michelle Dawson  
City Manager

**CITY COUNCIL GOALS**

**Public Safety.** Provide a safe and secure environment for people and property in the community, control the number and severity of fire and hazardous material incidents, and provide protection for citizens who live, work and visit the City of Moreno Valley.



**Public Facilities and Capital Projects.** Ensure that needed public facilities, roadway improvements, and other infrastructure improvements are constructed and maintained.

**Positive Environment.** Create a positive environment for the development of Moreno Valley's future.

**Community Image, Neighborhood Pride and Cleanliness.** Promote a sense of community pride and foster an excellent image about our City by developing and executing programs which will result in quality development, enhanced neighborhood preservation efforts, including home rehabilitation and neighborhood restoration.

**CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

See the Discussion section above for details of how this action supports the City Council's Strategic Priorities.

**ATTACHMENTS**

- 1. MomentumMoValProgressReport 3-21-17 FINAL

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	3/04/17 7:23 AM
City Attorney Approval	<u>✓ Approved</u>	3/03/17 8:42 AM
City Manager Approval	<u>✓ Approved</u>	3/07/17 8:48 PM

## PROGRESS AND TRACKING - 6 Month Initiatives

Priority Category	Initiative #	Initiative Detail	Target Date	Key Department Head	Active	Complete	Notes
Infrastructure	4.4.1	Determine whether or not to move forward with acquisition of Southern California Edison-owned street lights. (Prior to October 27, 2016)	Oct 26, 2016	Ahmad Ansari		⊗	City Council approved Purchase and Sale Agreement on 10/18/16.
Library	3.2.1	Develop a robust training program to include basic computer classes and basic MS Office software training.	Dec 16, 2016	Terrie Stevens		⊗	Resume writing, job interviewing, career readiness and life skill workshops provided monthly. Computer classes hosted by library staff monthly. Online training subscription available during all Library operating hours.
Public Safety	2.7.1	Team with Technology Services and all other development services department to adopt the Accela Civic Platform (ACP).	Dec 31, 2016	Allen Brock		⊗	Simplicity (ACP) system successfully launched on 12/6/16.
Public Safety	2.8.2	Conduct a full-scale Emergency Operations Center Exercise.	Dec 31, 2016	Abdul Ahmad	⊗		Exercise scenario has been selected; exercise involving all Departments scheduled for March 2017.
Public Safety	2.8.3	Conduct no less than 1 full-scale Emergency Operations Center Exercise in each calendar year.	Dec 31, 2016	Abdul Ahmad	⊗		Annual exercise schedule to build upon outcome of March 2017 exercise.
Economic Development	1.1.2	In the next City budget cycle, allocate additional dollars to expand marketing efforts by increasing advertising placements and sponsorships.	Feb 16, 2017	Marshall Eyerman, Allen Brock, and Mike Lee	⊗		Request submitted, under review as part of City's two-year budget proposal.
Economic Development	1.1.4	Advance the Development Services Team as a "Center of Excellence" in serving all customers by use of technology services and tools and streamlining development processes via Accela's ACP project tracking software. Guarantee specific time frames for plan reviews, expedite permitting issuance processes, improve inspection functionality {Facilitate online applications and services - 9 months}	Feb 16, 2017	Marshall Eyerman, Allen Brock, and Mike Lee	⊗		In progress and on track with first phase completed on 12/6/16 with Simplicity (ACP) Go-Live.
Economic Development	1.1.11	Complete the re-brand of the Economic Development Department attraction efforts and launch a dedicated Economic Development website.	Feb 16, 2017	Marshall Eyerman, Allen Brock, and Mike Lee		⊗	Branding completed. Accelerating Opportunities website launched. Address: <a href="http://www.morenovalleybusiness.com">www.morenovalleybusiness.com</a>
Economic Development	1.4.1	Strengthen partnerships with existing medical providers such as Riverside University Health System and Kaiser Permanente to support and encourage expansion efforts.	Feb 16, 2017	Allen Brock and Mike Lee	⊗		Business Visitation Team set for 3/15/17 meeting with Riverside University Health Systems staff to discuss expansion plans and workforce partnerships.

## PROGRESS AND TRACKING - 6 Month Initiatives

Priority Category	Initiative #	Initiative Detail	Target Date	Key Department Head	Active	Complete	Notes
Economic Development	1.4.2	Create focused medical/office and elderly care facility marketing collateral to highlight Moreno Valley's unique assets and development opportunities.	Feb 16, 2017	Allen Brock and Mike Lee		⊗	New marketing collateral embedded into Economic Development webpage, flyer section. Linking new website in City's marketing outreach and email blasts.
Economic Development	1.4.3	Identify strategic partners to encourage the development of job readiness in high demand health care industries.	Feb 16, 2017	Allen Brock and Mike Lee		⊗	Strategic Partners identified. Business Visitation team following up to establish workforce partnerships. Initiative complete, with implementation activity ongoing.
Economic Development	1.8.1	Evaluate hiring one (1) full time staff member, or equivalent outsourced support, to business attraction such as proactive print and digital marketing, branding, website management, content and email marketing, trade show and industry events planning and attendance, lease mining, site selection assistance, demographics and market analysis, brochure development, database collection, real estate industry liaison, and new business relationship building efforts.	Feb 16, 2017	Mike Lee	⊗		Request submitted, under review as part of City's two-year budget proposal.
Economic Development	1.8.2	Evaluate hiring two (2) full time staff members, or equivalent outsourced support, for workforce development, including oversight of the Hire MoVal program, operations at the Moreno Valley Employment Resource Center, job readiness workshops, partnership and relationship building, and new job training initiatives. First hire (6 months) Second hire (18 months)	Feb 16, 2017	Mike Lee	⊗		City Council approved new position of Sr. Management Analyst on 2/7/17.
Public Safety	2.1.1	Form a working group, with existing staff, to research, evaluate and test progressive law enforcement programs for use in the City.	Feb 16, 2017	Ahmad Ansari, Abdul Ahmad, Allen Brock, Tom DeSantis, and Joel Ontiveros		⊗	Police Department built working groups to evaluate current patrol methods, mail theft operations, homeless outreach, social media, and to improve statistical crime analysis. Initiative complete, with Working Group's activity ongoing.
Public Safety	2.3.2	Work with new and existing affordable housing providers to help them solve problems and promote a Crime-Free Multi-housing Program.	Feb 16, 2017	Marshall Eyerman and Joel Ontiveros		⊗	Continued building relationships with apartment managers. In January, hosted a meeting with more than 20 managers to discuss crime free multi-housing strategies to improve quality of life in multi-family facilities. Anticipate 3-4 meetings annually. Initiative is complete, with activity ongoing.

## PROGRESS AND TRACKING - 6 Month Initiatives

Priority Category	Initiative #	Initiative Detail	Target Date	Key Department Head	Active	Complete	Notes
Public Safety	2.3.4	Raise public trust by increasing law enforcement's presence at community events.	Feb 16, 2017	Marshall Eyerman and Joel Ontiveros		⊗	PD taking more active role in all city events and advertising this role on social media. Requested Sheriff Recruiting Unit attend more community events. Initiative complete, with implementation activity ongoing.
Public Safety	2.11.2	Respond to citizen calls for [Animal Control] service the day they are received or within 24 hours for low priority calls received near or after the end of a work shift.	Feb 16, 2017	Terrie Stevens		⊗	Realigned Animal Control call priorities to achieve desired response times outlined in Initiative. Calls prioritized 1-6. All calls now immediately dispatched to the Animal Control Officers to reduce response times by allowing ACO to plan routes efficiently.
Public Safety	2.11.3	Conduct weekly proactive patrols in close proximity to schools, parks and areas identified as having the greatest number of stray animals reported in an effort to reduce dog bites by 5%.	Feb 16, 2017	Terrie Stevens		⊗	Animal Services analyzed dog bite data over several years via GIS. Conducting additional patrols and educational outreach in areas with greatest number of bites. Dog bites decreased by 16% over the past year.
Public Safety	2.12.1	Present results of Feasibility Study to the Public Safety Sub-Committee.	Feb 16, 2017	Tom DeSantis	⊗		Consultant report not yet finalized (as of 3/2/17). The report will be agendized for a City Council Study Session as soon as the final report is available.
Public Safety	2.13.1	Establish a planning committee to identify and assess potential hazards in the community.	Feb 16, 2017	Abdul Ahmad		⊗	Local Hazard Mitigation Plan (LHMP), required for City's receipt of disaster mitigation and recovery funds, completed for review by Governor's Office of Emergency Services (CalOES) and by Federal Emergency Management Agency (FEMA). Currently coordinating implementation with City departments.
Public Safety	2.13.2	Establish mitigation strategies for the recognized hazards including goals, objectives and associated costs.	Feb 16, 2017	Abdul Ahmad		⊗	Encompassed in Local Hazard Mitigation Plan (Initiative 2.13.1).
Public Safety	3.3.2	Promote job readiness by providing workshops on resume writing, job interviewing, career readiness and life skills four times per year.	Feb 16, 2017	Terrie Stevens		⊗	Job readiness workshops, resume writing, job interviewing, career readiness and life skills sessions provided monthly.

## PROGRESS AND TRACKING - 6 Month Initiatives

Priority Category	Initiative #	Initiative Detail	Target Date	Key Department Head	Active	Complete	Notes
Library	3.3.3	Conduct public information workshops on topics such as tax filing assistance, social security, signing up for Covered California.	Feb 16, 2017	Terrie Stevens		⊗	Workshops scheduled throughout 2017 on various topics including income tax filing assistance, Social Security benefits, Veterans benefits, first-time homebuyers, financial aid and scholarship opportunities, preventing fraud, identity theft, etc.
Infrastructure	4.2.1	Present initial infrastructure needs assessment information to the City Council at a study session.	Feb 16, 2017	Ahmad Ansari		⊗	Presentation made to Council at 2/14/17 Study Session.
Beautification, Community Engagement, and Quality of Life	5.1.1	Fully implement the Volunteer Community Clean Up Program in which Code Compliance staff identifies distressed properties and partners with volunteers to provide labor to address compliance issues. Refocus outreach efforts from students to service clubs, commencing with Moreno Valley Noon Rotary.	Feb 16, 2017	Ahmad Ansari, Allen Brock, and Abdul Ahmad		⊗	First project completed 10/1/16 by Noon Rotary, Valley View High School's Interact Club and City staff. Staff will identify potential properties & volunteers for subsequent program activities.
Beautification, Community Engagement, and Quality of Life	5.1.2	Establish an annual Day of Volunteerism.	Feb 16, 2017	Ahmad Ansari, Allen Brock, and Abdul Ahmad		⊗	First program conducted on 1/25/17. Included two site projects (Hidden Springs Park, March Field Park), along with a Citywide Bulky Item Pick Up event.
Beautification, Community Engagement, and Quality of Life	5.4.1	Compile updated, accurate resource information into one document/brochure and share with public safety, code enforcement, and nonprofit staff members.	Feb 16, 2017	Marshall Eyerman, Joel Ontiveros, Betsy Adams, Ahmad Ansari, Abdul Ahmad, and Allen Brock		⊗	POP Team and City staff have compiled a Resources guide for homeless persons, business owners, and citizens. It contains information on social services, and strategies on making businesses and shopping centers less attractive to homeless occupancy and loitering. Anticipate publication in March 2017.
Beautification, Community Engagement, and Quality of Life	5.4.2	Provide/expand training to public safety and code enforcement staff on effective strategies for interaction with homeless individuals.	Feb 16, 2017	Marshall Eyerman, Joel Ontiveros, Betsy Adams, Ahmad Ansari, Abdul Ahmad, and Allen Brock		⊗	Interactive training provided to field officers who regularly encounter homeless persons. POP Team also works regularly with Code to resolve complaints. City participation in County-led Homeless Point-in-Time count (January 2017) provided initial insight. County's unofficial Count results: 31. Initiative complete, with implementation activity ongoing.

## PROGRESS AND TRACKING - 6 Month Initiatives

Priority Category	Initiative #	Initiative Detail	Target Date	Key Department Head	Active	Complete	Notes
Youth Programs	6.1.1	Implement the Summer at City Hall program with the Val Verde Unified School District and analyze the effectiveness of the program with the intent to grow this initiative in future years.	Feb 16, 2017	Pat Jacquez-Nares	⊗		Program responsibility reassigned by VVUSD. Awaiting District's selection of an instructor for Summer 2017, and additional feedback to allow the City Clerk Department to finalize the program structure. Program scheduled to commence, as scheduled, on 6/12/17.
Youth Programs	6.1.2	Collaborate with the Youth Opportunity Center to strengthen interview and job skills for employment opportunities in utilizing the Expanded Subsidized Employment program.	Feb 16, 2017	Betsy Adams	⊗		Staff working with the Emerging Leaders Council to host a Youth Resource Conference on 4/8/17. The Conference will focus on workplace etiquette, interview skills, resume writing, and mock interviews.
Youth Programs	6.1.3	Offer courses through contractors and in-house City staff such as computer training, technology skills, and resumé assistance for youth ages 16-21 years.	Feb 16, 2017	Betsy Adams		⊗	City now offering four contract classes: Computers for Beginners, Job Readiness Workshop, Leadership Academy and Youth Professional Development.
Youth Programs	6.2.3	Implement a collaborative partnership with University of California, Riverside's Food Program at City camps and Time for Tots programs.	Feb 16, 2017	Betsy Adams	⊗		Staff from City, Child Care program, THINK Together collaborating with UCR Expanded Food and Nutrition Education Program (EFNEP) staff.
Youth Programs	6.2.4	Promote nutrition education to improve students' health and reduce childhood obesity through family information sharing and after-school recreation health/wellness programs.	Feb 16, 2017	Betsy Adams		⊗	City and THINK Together provide healthy lifestyles and nutrition information from CA Nutrition Network's Harvest of the Month (HOM) curriculum, the federal My Plate program, the Kaiser healthy living curriculum, the Coordinated Approach To Child Health (CATCH) program, and a partnership with Target. A future project with the UCR Nutrition Program is also under review.





## Report to City Council

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**TO:** Mayor and City Council

**FROM:** Marshall Eyerman, Chief Financial Officer  
Thomas M. DeSantis, Assistant City Manager

**AGENDA DATE:** March 21, 2017

**TITLE:** ADOPT A NEIGHBORHOOD PROGRAM

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### **RECOMMENDED ACTION**

#### **Recommendations:**

1. Implement an Adopt-A-Neighborhood Program for the City of Moreno Valley.
2. Direct staff to publicize the new program to foster partnerships between neighborhood residents, churches, civic organizations, community based non-profits and businesses to leverage resources for the enhancement of our community and authorize staff to prepare and provide to the participants any necessary documents that define the scope of the Adopt-A-Neighborhood program.

### **SUMMARY**

As proposed, the Adopt a Neighborhood program can foster partnerships between neighborhood residents, churches, civic organizations and businesses to leverage resources to enhance the community. The program offers an opportunity for Community partners to connect and recognize those engaged in the betterment of Moreno Valley residents and neighborhoods.

The proposed program is presented as a follow-up to the Council's initial discussion of the concept on September 6, 2016. Given the Council's conceptual support for this program, this report provides information regarding its implementation.

### **DISCUSSION**

The Moreno Valley community has a wide variety of needs, some of which cannot be addressed by City government alone. In many instances, social needs are most

effectively met by non-governmental entities working directly with residents.

These non-governmental resources are sometimes referred to as “Social Capital,” and their engagement is a hallmark of successful communities. The definition of Social Capital is a recognized network of social connections that exist between people in society, where their shared values enable and encourage society to function more effectively. Moreno Valley is extremely fortunate to have a vast array of churches, civic organizations, community based non-profits and businesses uniquely suited to work with neighborhoods and residents to enhance the quality of life in specific areas.

Across the nation, communities collaborate through initiatives such as Adopt-A-Park, Adopt-A-Street, etc. These programs can be found in communities large and small, from New England to Southern California. Staff found examples in places as diverse as San Jose, Washington DC, Anaheim, Milwaukee and Clarksburg, West Virginia. Closer to home, Victory Outreach Church has established ties with neighborhoods, partnering with other faith based organizations on issues of community concern.

As proposed, the Adopt a Neighborhood program shares similar objectives with Moreno Valley Unified School District’s Adopt-a-School program. Building upon the Adopt-a-School program’s concept, the Adopt a Neighborhood program would expand support to further engage our community in a much broader sense. Moreno Valley’s Adopt a Neighborhood program would serve as an opportunity for local groups and organizations to connect and engage in a particularly meaningful way, allowing them to focus their time and talents to help fellow residents for the benefit of the community’s neighborhoods and the members who live in them.

The Adopt a Neighborhood program would be extremely relevant to Moreno Valley, as it would:

1. Directly engage community partners with local residents to work on address issues of local concern;
2. Provide a platform that encourages a holistic approach (both secular and spiritual) to address a broader range of needs within our community;
3. Serve as a vehicle for recognizing community partner’s work with local residents;
4. Provide an opportunity for community partners to focus their limited resources in targeted areas;
5. Create an environment where Moreno Valley’s Social Capital will continue to thrive and be applied toward benefiting the community as a whole.

The City’s role would focus on providing a website where neighborhoods could link with churches, civic organizations, community based non-profits and businesses to accomplish mutual objectives. Features of the program are generally described below:

- Organizations wishing to participate in the program would submit a Sponsorship Letter to the City. Sponsorship Letters may be submitted via email, fax or USPS.
  - Sponsorship Letters may be submitted by churches, civic organizations, community based non-profits and businesses.
  - They should identify a specific geographic area or neighborhood to be served.
  - City staff can assist, as needed, to identify specific areas of need.
- Neighborhoods which would like to participate in the program may complete a Sponsorship Request Letter and submit it to the City.
  - Sponsorship Request Letters will provide contact information, homeowner's association information (if applicable), neighborhood boundaries, and any identified needs.
  - City staff would make those letters available to organizations willing to assist.
- The City will create an interactive map which identifies neighborhoods and community partners. This map will be used to:
  - Promote links with participants of the Non-Profit Roundtable program, social service agencies that collaborate on a wide array of essential community service provisions.
  - Develop and promote the MyMoVal.org website to encourage community engagement throughout the City.
- The City can also promote community partnerships formed through the Adopt a Neighborhood Program by recognizing participants.
  - Recognition may be for cumulative community hours or specific projects that enhance the community.
  - Recognition may be given through City recognition letters, City publications, press releases, social media postings, and/or formal recognition at a Council meeting.

The MyMoVal website will provide information and links to a wide array of civic engagement opportunities within the City by quickly linking community needs with community resources on a single website. Participants would be advised and acknowledge in writing that the Adopt-A-Neighborhood program serves as a platform through which neighborhoods and organizations willing to assist will connect and interact directly regarding the scope, duration, and other details of the assistance

subject to agreement between the participants.

### **ALTERNATIVES**

1. Create an Adopt a Neighborhood Program for the City of Moreno Valley; direct staff to publicize this new program to foster partnerships between neighborhood residents, churches, civic organizations, community based non-profits and businesses to leverage resources for the enhancement of our community; authorize staff to prepare and provide to the participants any necessary documents that define the scope of the Adopt-A-Neighborhood program.
2. Provide alternative direction as the City Council deems appropriate.

### **FISCAL IMPACT**

Essentially all work/activities would be conducted directly between sponsoring community participants and those being sponsored, community groups and/or individuals within the community. The City would incur only minimal costs for this community-based program limited to recognizing community partnerships formed through the Adopt a Neighborhood Program.

The program would also involve City staff work to publicize the programs described above. If the program is approved, staff support would be provided by staff in the Financial and Management Services Department.

### **NOTIFICATION**

N/A

### **PREPARATION OF STAFF REPORT**

Prepared By:  
Sharon Sharp  
Management Analyst

Department Head Approval:  
Marshall Eyerman  
Chief Financial Officer/City Treasurer

Concurred By:  
Thomas M. DeSantis  
Assistant City Manager

### **CITY COUNCIL GOALS**

**Public Safety.** Provide a safe and secure environment for people and property in the community, control the number and severity of fire and hazardous material incidents, and provide protection for citizens who live, work and visit the City of Moreno Valley.

**Positive Environment.** Create a positive environment for the development of Moreno Valley's future.

**Community Image, Neighborhood Pride and Cleanliness**. Promote a sense of community pride and foster an excellent image about our City by developing and executing programs which will result in quality development, enhanced neighborhood preservation efforts, including home rehabilitation and neighborhood restoration.

**CITY COUNCIL STRATEGIC PRIORITIES**

- 1. Economic Development
- 2. Public Safety
- 3. Library
- 4. Infrastructure
- 5. Beautification, Community Engagement, and Quality of Life
- 6. Youth Programs

Objective 2.2: Engage the community in joint problem solving and crime prevention activities.

Objective 3.3: Partner with outside organizations to expand the range of workshops and programs provided to the community.

Objective 5.1: Establish partnerships and volunteer programs with residents, business groups and service clubs to beautify our community.

Objective 5.5: Promote a healthy community and lifestyle.

Objective 5.6: Enhance community outreach, partnership opportunities, and stakeholder ownership of the City’s parks and recreation services, programs and events.

**ATTACHMENTS**

None

**APPROVALS**

Budget Officer Approval	<u>✓ Approved</u>	3/02/17 9:39 AM
City Attorney Approval	<u>✓ Approved</u>	3/09/17 10:15 AM
City Manager Approval	<u>✓ Approved</u>	3/09/17 1:20 PM