



$\Delta 3 = \Delta 1 \text{ (VARIABLE)} + \Delta 2$
 $Y = E + T$
 $R3 = 2(A) + 10$
 $D + T1 = 50.00$

R/W	ROADWAY IMPROVEMENT WIDTH	A	B	C	D	E	R1	R2	R3	$\Delta 2$	R4	T1	R5	T2
50	36	25	18	7	40.91	69.09	34	53	60	10°23'20"	100	9.09	107	9.91
56	36	28	18	10	40.99	70.00	35	56	66	10°17'48"	100	9.01	110	9.91
60	40	30	20	10	41.04	70.60	35	60	70	10°14'12"	100	8.96	110	9.85
66	44	33	22	11	41.12	71.49	36	65	76	10°08'58"	100	8.88	111	9.86
78	56	39	28	11	41.26	73.23	36	77	88	9°58'58"	100	8.73	111	9.69

DISTANCES IN FEET

NOTES:

- 1.) THE VALUE FOR "T" & "Y" WILL VARY ACCORDING TO DESIGN.
- 2.) LIMITS OF CROSS SLOPE, CROWN LINE TO OUTSIDE GUTTER: MINIMUM OF 1%.

* 25' REGARDLESS OF R/W WIDTH.

NOT TO SCALE



RECOMMENDED: *[Signature]* / 1/21/14
 DIVISION MANAGER / DATE
 APPROVED: *[Signature]* / 1/29/14
 PUBLIC WORKS DIRECTOR / DATE
 CITY ENGINEER

CITY OF MORENO VALLEY
 PUBLIC WORKS DEPARTMENT - CAPITAL PROJECTS DIVISION

KNUCKLE

STANDARD PLAN
MVSI-162-0

SHEET 1 OF 1