

$$Y = W \left(\frac{X}{L} \right)^2$$

L=LENGTH OF FLARE IN FEET, PER PLAN
 W=MAXIMUM OFFSET DISTANCE IN FEET, PER PLAN
 X=DISTANCE ALONG BASELINE IN FEET
 Y=OFFSET FROM BASELINE IN FEET

$$\tan \theta = \frac{2W}{L}$$

$$T = R \tan \frac{\theta}{2}$$

T=TANGENT
 R=RADIUS OF NOSE IN FEET
 theta = MAXIMUM FLARE DEFLECTION ANGLE

OFFSET Y

X L	10'	15'	20'	25'	30'	40'	45'	50'	60'	70'	75'	80'	90'	100'
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FOR W/L=1:5

25'	0.80'	1.80'	3.20'	5.00'										
50'	0.40'	0.90'	1.60'	2.50'	3.60'	6.40'	8.10'	10.00'						

FOR W/L=1:10

50'	0.20'	0.45'	0.80'	1.25'	1.80'	3.20'	4.05'	5.00'						
100'	0.10'	0.23'	0.40'	0.63'	0.90'	1.60'	2.03'	2.50'	3.60'	4.90'	5.63'	6.40'	8.10'	10.00'

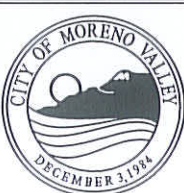
FOR W/L=1:15

45'	0.15'	0.33'	0.59'	0.93'	1.33'	2.37'	3.00'							
75'	0.09'	0.20'	0.36'	0.56'	0.80'	1.42'	1.80'	2.22'	3.20'	4.36'	5.00'			
90'	0.07'	0.17'	0.30'	0.46'	0.67'	1.19'	1.50'	1.85'	2.67'	3.63'	4.17'	4.74'	6.00'	

NOTES:

1.) IF STATION OF RADIUS POINT IS NOT GIVEN ON PLAN, TANGENT, T, MAY BE IGNORED. PLANS SHALL SPECIFY L AND W.

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

MEDIAN FLARE

STANDARD PLAN
MVSI-144-0

SHEET 1 OF 1