



- L = LENGTH OF FLARE
- W = MAXIMUM OFFSET DISTANCE
- X = DISTANCE ALONG BASE LINE
- Y = OFFSET FROM BASE LINE
- T = TANGENT LENGTH
- R = RADIUS OF NOSE
- θ = MAXIMUM FLARE DEFLECTION ANGLE

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

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

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

IF STATION OF RADIUS POINT IS NOT GIVEN ON PLAN, TANGENT DISTANCE T MAY BE IGNORED

OFFSET Y, mm

L, m	W, mm	X, m													
		3.0 (10')	4.5 (15')	6.0 (20')	7.5 (25')	9.0 (30')	12.0 (40')	13.5 (45')	15.0 (50')	18.0 (60')	21.0 (70')	22.5 (75')	24.0 (80')	27.0 (90')	30.0 (100')
W/L = 1:5															
7.5 (25')	1500 (5')	240 (0.80')	540 (1.80')	960 (3.20')	1500 (5.00')										
15.0 (50')	3000 (10')	120 (0.40')	270 (0.90')	480 (1.60')	750 (2.50')	1080 (3.60')	1920 (6.40')	2430 (8.10')	3000 (10.00')						
W/L = 1:10															
15.0 (50')	1500 (5')	60 (0.20')	135 (0.45')	240 (0.80')	375 (1.25')	540 (1.80')	960 (3.20')	1215 (4.05')	1500 (5.00')						
30.0 (100')	3000 (10')	30 (0.10')	68 (0.23')	120 (0.40')	188 (0.63')	270 (0.90')	480 (1.60')	608 (2.03')	750 (2.50')	1080 (3.60')	1470 (4.90')	1688 (5.63')	1920 (6.40')	2430 (8.10')	3000 (10.00')
W/L = 1:15															
13.5 (45')	900 (3')	44 (0.15')	100 (0.33')	178 (0.59')	278 (0.93')	400 (1.33')	711 (2.37')	900 (3.00')							
22.5 (75')	1500 (5')	27 (0.09')	60 (0.20')	107 (0.36')	167 (0.56')	240 (0.80')	427 (1.42')	540 (1.80')	667 (2.22')	960 (3.20')	1307 (4.36')	1500 (5.00')			
27.0 (90')	1800 (6')	22 (0.07')	50 (0.17')	89 (0.30')	139 (0.46')	200 (0.67')	356 (1.19')	450 (1.50')	555 (1.85')	800 (2.67')	1089 (3.63')	1250 (4.17')	1422 (4.74')	1800 (6.00')	

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

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MEDIAN FLARE

STANDARD PLAN
METRIC
141-1

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

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