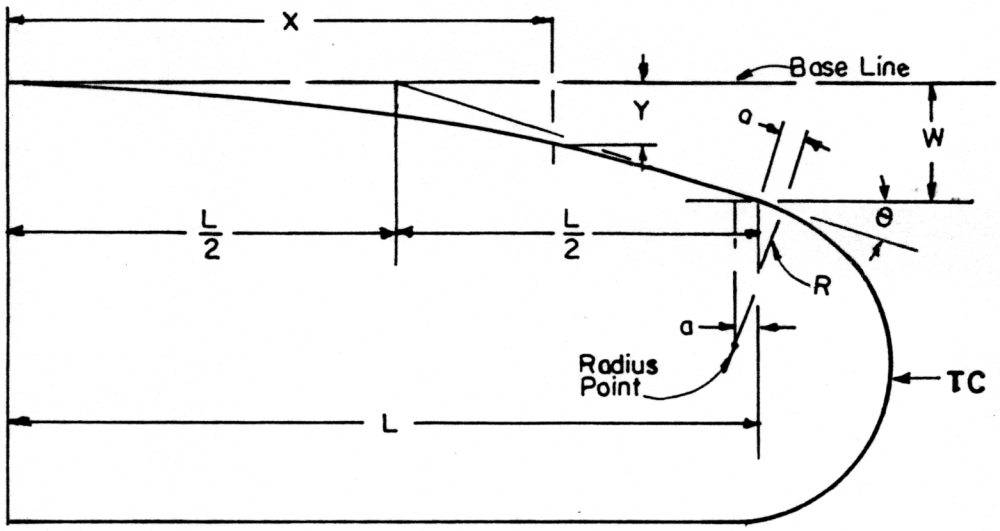


$$Y = W\left(\frac{X}{L}\right)^2 \qquad \text{Tan.}\,\theta = \frac{2W}{L} \qquad a = R\,\text{Tan.}\,\frac{\theta}{2}$$

L = Length of flare in feet
W = Maximum offset distance in feet
X = Distance along base line in feet
a = Tangent
R = Radius of nose in feet
Y = Offset from base line in feet

OFFSET "Y"
(In Feet)
For W/L = 1:10

| | X / L | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 14' Median | 60 | .17 | .67 | 1.50 | 2.67 | 4.17 | 6.00 | — | — | — | — |
| 24' Median | 100 | .10 | .40 | .90 | 1.60 | 2.50 | 3.60 | 4.90 | 6.40 | 8.10 | 10.00 |

NOTE:

① For 60' Flare use R = 4'
For 100' Flare use R = 7'

② If station of radius point is not given on plan, tangent a may be ignored.

| CITY OF COSTA MESA<br>CALIFORNIA<br>PUBLIC SERVICES DEPARTMENT | PARABOLIC MEDIAN CURB FLARE | DRAWN: C.P.R.<br>SCALE: NONE |
|---|---|---|
| | APPROVED: BD Mattern DATE: 12/13/85<br>BRUCE D. MATTERN R.C.E. 19388 | STD. DWG. NO.<br>117 |

REV.: