LEFT TURN POCKET

Varies — Varies — 60' for 14' Median / 70' for 16' Median

Min. 120' for local cross streets
200' for arterial cross streets

2'R — 14' or 16'

Distance X at	Offset Distance Y	
	14' Median	16' Median
10'	0.55'	0.49'
20'	2.22'	1.96'
30'	5.00'	4.41'
40'	7.78'	7.59'
50'	9.44'	10.04'
60'	10.00'	11.51'
70'	--	12.00'

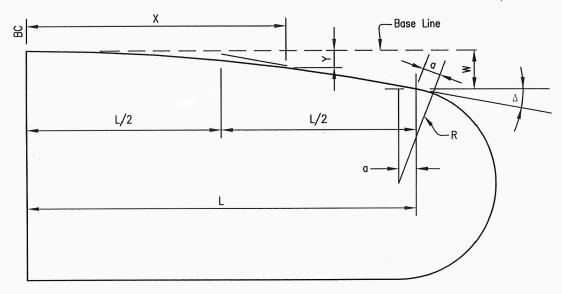L = Length of flare, in feet.
W = Maximum offset distance, in feet.
X = Distance along base line, in feet.
a = Tangent
R = Radius of nose, in feet.
Y = Offset from base line, in feet.

MEDIAN FLARE OPENING

Offset "Y" (in feet) for W/L = 1:10

L \ X	10	20	30	40	50	60
60	0.17	0.67	1.50	2.67	4.17	6.00

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

NOTES

1. For 60' flare use R = 4' (14' Median).
2. If station of radius point is not given on plan, tangent "a" may be ignored.

3-12-07
DATE APPROVED

PUBLIC WORKS DIRECTOR/C.E.

ASSISTANT CITY ENGINEER

CITY OF ORANGE   PUBLIC WORKS DEPARTMENT

LEFT TURN POCKET &
MEDIAN OPENING

STANDARD
PLAN No.
112

REGISTERED PROFESSIONAL ENGINEER
GAIL T. FARBER
No. 43923
Exp. 6-30-07
CIVIL
STATE OF CALIFORNIA