



$$Y = W(X/2)^2 \quad \tan \theta = 2W/L \quad a = R \tan \theta / 2$$

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

	L \ X	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

NOTES:

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 CARSON

PARABOLIC FLARE

REVISIONS

DRAWN BY
[Signature]
 DATE APPROVED
 2/2/87

RECOMMENDED: *W. Haker* APPROVED: *Harold C. Williams*
 DIVISION ENGINEER DIRECTOR OF PUBLIC WORKS

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