



L = TAPER LENGTH

AB = BC = CD = L/3

AB' AND C'D' ARE PARABOLIC CURVES EXCEPT  
ON CURVED ALIGNMENTS.

FORMULA:

$$Y = 2.25 \frac{WX^2}{L^2}$$

L	Distance from point "A" along base line in ft. (L')											
60'	5	10	15	20	25	30	35	40	45	50	55	60
72'	6	12	18	24	30	36	42	48	54	60	66	72
90'	7.5	15	22.5	30	37.5	45	52.5	60	67.5	75	82.5	90
120'	10	20	30	40	50	60	70	80	90	100	110	120

W	Offset from base line in ft. (W')											
10'	0.16	0.62	1.41	2.50	3.75	5.00	6.25	7.50	8.59	9.38	9.84	10.00
11'	0.17	0.69	1.55	2.75	4.12	5.50	6.88	8.25	9.45	10.31	10.38	11.00
12'	0.19	0.75	1.69	3.00	4.50	6.00	7.50	9.00	10.31	11.25	11.81	12.00

#### NOTES:

1. The storage lane shall be 150' long minimum (not including taper)
2. To determine offset distances for any length taper use the formula for the portions AB' and C'D' which are parabolic curves. The portion B'C' is a tangent. In the case when the base line is curved, the offsets are calculated by assuming the base line to be a tangent; they are then applied to the curved base line. AB' and C'D' are no longer parabolic and B'C' is no longer a tangent.
3. The standard taper length is 90 ft. Use of other lengths is subject to the approval of the Public Works Director.

				CITY OF THOUSAND OAKS PUBLIC WORKS DEPARTMENT	
CHG	DESCRIPTION	DATE	INITIAL	STANDARD TAPER FOR LEFT TURN LANE	
APPROVED <i>Mark H. Hark</i> 5/20/03 CITY ENGINEER DATE					
				PLATE NO. <b>3-11</b>	