PLANE METHOD CURB RETURN DESIGN

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ONLY APPLICABLE FOR STREET GRADES LESS THAN 5%
COUNTY OF RIVERSIDE
TRANSPORTATION DEPARTMENT
ENGINEERING DIVISION

Plan Method Curb	IP Number:	Project No:	
Return Design	Checked By:	Date:	
	Approved By:	Sheet No:	

CURB RETURN ELEVATION DATA

CURB RETURN CURVE DATA

PI 1	Δ	in degrees
Α	RADIUS	
В	L	
G1	Т	
G2		

ELEVATION AT M.O.C

ELEVATION AT 1/4 POINT

C1 =	1/2 (A+B)	T2 =	(RADIUS)*(TAN 1/4 Δ)
a1 =	(PI 1) - C1	PI 2 =	A+(T2*G1)
D1 _	$COS1/2 \triangle (1+COS 1/2 \triangle$	C2 -	1/2 (A : M1)

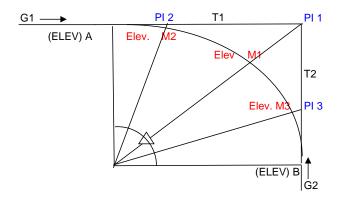
R1 = $\frac{\text{COS}}{2} \times (1 + \text{COS} \times 1/2 + \text{COS} \times$

 $R2 = COS1/4 \triangle (1+COS 1/4 \triangle)$

M2 =

ELEVATION AT 1/4 POINT

PI 3 = B+[$T2^*(-G2)$] C3 = 1/2(B+M1] a3 = (PI 3) - C3 M3 = C3+($R2^*a3$)



C2+(R2*a2)