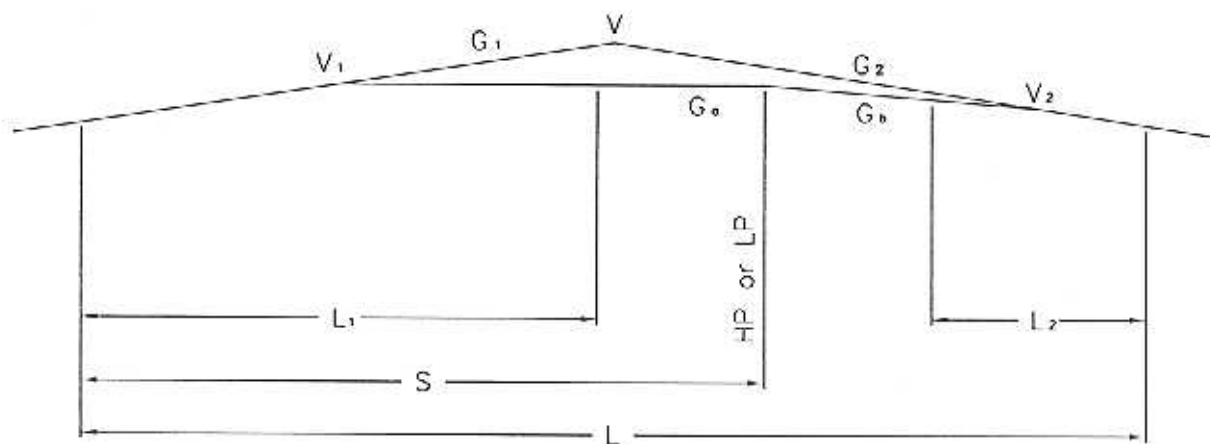


VERTICAL CURVE DESIGN STANDARDS

1. Maximum Allowable Change In Grade Per Station (r) Shall Be No Greater Than 3.
2. Elevation Points For Stakeout Shall Be Computed At The Following Intervals:
 - $K < 45$ No Less Than 20'
 - $K < 35$ No Less Than 10'
 - Where $K = 100/r$
3. The Rate Of Grade Between Any Two Elevation Points Shall Not Be Less Than 0.50%.
4. Where The Vertical Curve Includes A High Point (HP) Or A Low Point (LP) The Curve Shall Be Broken Into Two Smaller Vertical Curves (L_1 & L_2) With An Included Grade Break And Computed Per Detail Below.
5. PGL Shall Represent Top Of Curb Elevations.



STANDARD: $G_0 = 0.5\%$
 $G_0 = 0.5\%$

$$L_1 = \frac{L(G_1 - G_0)}{G_1 - G_2} \quad L_2 = \frac{L(G_0 - G_2)}{G_1 - G_2}$$

$$S = \frac{G_1 L}{G_1 - G_2}$$

APPROVAL	REVISED	TOWN OF EASTON AND EASTON UTILITIES STANDARD DETAILS VERTICAL CURVE
Talbot W. Sme EU MANAGER OF ENGINEERING	AUG 1, 01	
	FEB 1, 02	
	FEB 1, 06	
	JAN 1, 07	
ISSUED: <u>MAY 1, 1989</u>	STANDARD NO. <u>PW-1.10</u>	