



$HSO$  - Horizontal Sightline Offset  
 $S$  - Stop Sight Distance

How to determine  $HSO$ ?

$$\frac{S/2}{2\pi R} = \frac{\theta}{360} \Rightarrow \theta = \frac{S}{R} \cdot \frac{90}{\pi}$$

$$\theta = 28.65 \cdot \frac{S}{R}$$

$$HSO = R(1 - \cos \theta) = R\left[1 - \cos\left(\frac{28.65S}{R}\right)\right]$$

on Page 3-115 of 7th edition of Green Book