ICDP-2

APPROACH:

1. USE Eq. 2.43

$$S = \frac{\gamma_b (V_1^2 - V_2^2)}{2g (n_b M + f_{rl} \pm \sin\theta_g)}$$

$$L_{0.01\left(1 + \frac{V_1/2}{147}\right)}$$

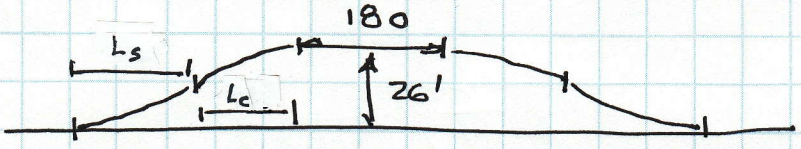
- ADD 2.5s REACTION TIME

$$- K_c = \frac{S^2}{200(\sqrt{H_1} + \sqrt{H_2})^2} \Rightarrow \text{SEE Eq 3.13}$$

$$K_s = \frac{S^2}{200(H + S\tan\beta)} \Rightarrow \text{SEE Eq 3.19}$$

2. SOLVE AS IN 3.28 $\quad \frac{A_c L_c}{200} + \frac{A_s L_s}{200} = 26$

$L_c = K_c A$; $L_s = K_s A$ GET A THEN L's



3. DO STATIONS AND ELEVATIONS (USE $\frac{AL}{200}$)

4. $K_{PSD} = \frac{PSD^2}{200(\sqrt{H_1} + \sqrt{H_2})^2}$ ← FROM TABLE 3.4 @ 50 MI/H $\Rightarrow$ Eq. 3.13

THEN DO PART #2 AGAIN WITH

$K_c = K_{PSD}$ (K_s REMAINS THE SAME BUT A WILL NOW BE DIFFERENT)