



ED L. REED & ASSOCIATES, IN

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FX = 286.5 LB/FT² X 8 FT² = 2292 LB/LINER FOOT SHEARING FORCES, S = 0.4 (28,000 LB/FT + 2292 LB/FT) = 12,117 LB/FT *SAFETY FACTOR = 12,117/2292 = 5.27

$$\frac{Ho'}{Lo} = \frac{.875'}{13.44'} = .0651$$
FROM FIG 2-65, P 2-122 SHORE PROTECTION MANUEL
$$\frac{H_B}{Ho'} = 1.12 \text{ (FOR BEACH SLOPE OF 1:10)} \\ H_B = 1.18 \text{ x } .875' = 1.033$$

$$\frac{H_B}{GT^2} = \frac{1.033}{32.2} (1.62)^2 = 0.0122$$
FROM FIG 2-66, P 2-123
$$\frac{D_B}{H_B} = 0.98$$
DB = 98 (1.033') = 1.01' (SPILLING OCCURS)

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