



Tributary Area of One HP 10x57 $\frac{48' \times 16'}{21 \text{ pile}} = 36.6 \frac{\text{ft}^2}{\text{pile}}$

Flotation of 36.6 ft^2 of (Water + Concrete) 16' Thick

$$36.6 \text{ ft}^2 \times 16 \text{ ft} \times 62.4 \frac{\text{lb}}{\text{ft}^3} = 36.5 \text{ K}$$

Dry Weight of 36.6 ft^2 of Concrete 4' thick

$$36.6 \text{ ft}^2 \times 4 \text{ ft} \times 145 \frac{\text{lb}}{\text{ft}^3} = 21.2 \text{ K}$$

Friction on $d=10''$ of HP 10x57 @ 36 PSI

$$60 \text{ in (perimeter)} \times 10 \text{ in} \times 36 \text{ PSI} = 21.6 \text{ K}$$