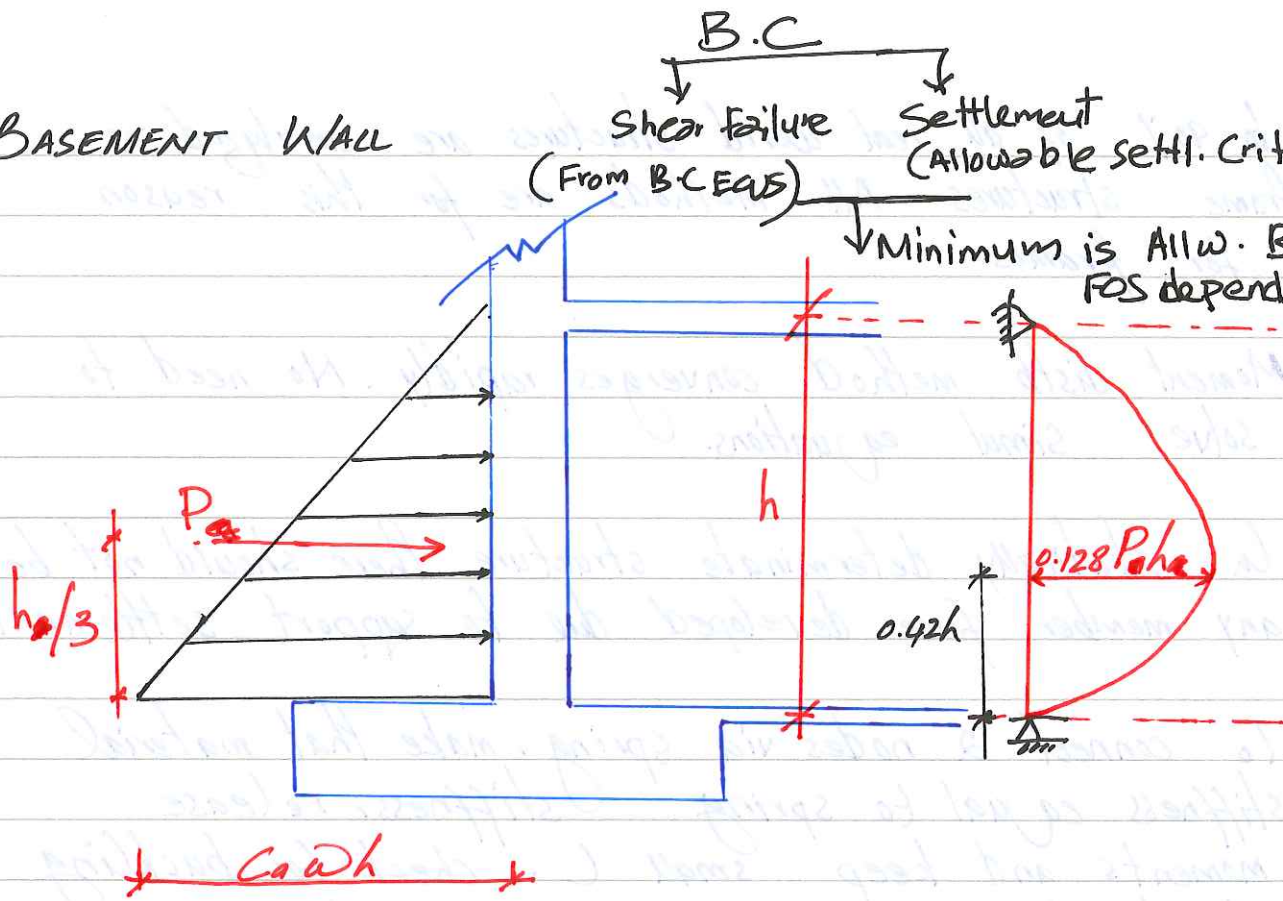


# BASEMENT WALL



$k =$  Subgrade modulus  $\text{kN/m}^3$

SBC = Permissible Pressure SBC

Empirical relationship suggested by Boussinesq

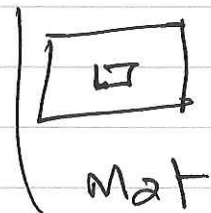
$k = \text{FOS} \times 40 \times \text{SBC}$  for 25 mm permissible settlement

$k = \text{FOS} \times 30 \times \text{SBC}$  for 50 mm permissible settlement

FOS = 2.5 or 3.

[forum.civileq.com/showthread.php?tid=661](http://forum.civileq.com/showthread.php?tid=661)

$$k = \frac{\text{FOS} \times \text{SBC}}{\Delta}$$



FOS

2.5

3