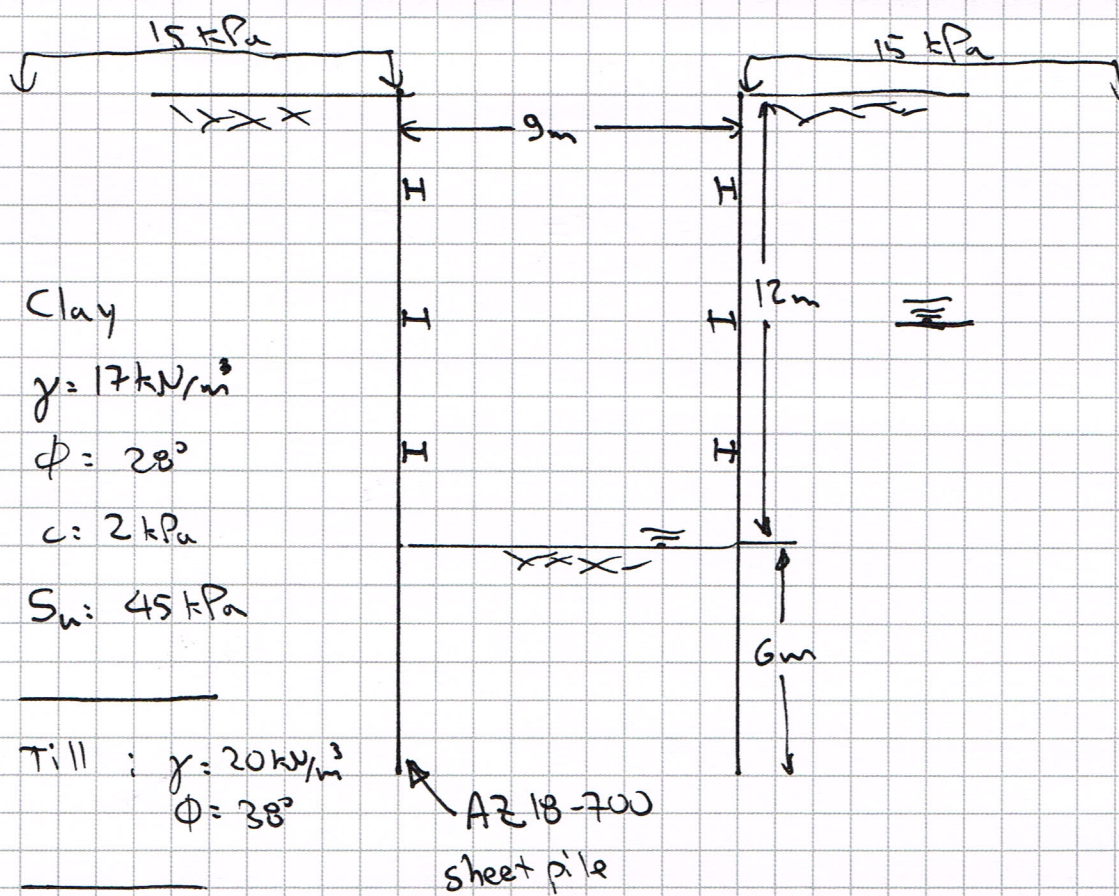




with no consideration for sheet pile embedment.

Basal Stability:

$$FS_b = \frac{N_b S_u}{\sigma_z}$$

$$N_b = 6.5$$

$$S_u = 45 \text{ kPa}$$

$$\sigma_z = (12 \text{ m} \times 17 \text{ kN/m}^3) + 15 \text{ kPa}$$

$$= 219 \text{ kPa}$$

$$FS_b = 1.34 < 1.5$$

not good