

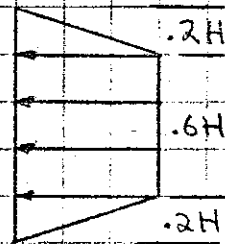
## GRANULAR SOILS

### SOIL VALUES

$\gamma$   $\phi$   $K_A$

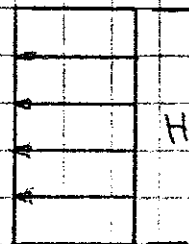
T & P 1948

$$p_a = .88 K_A H$$



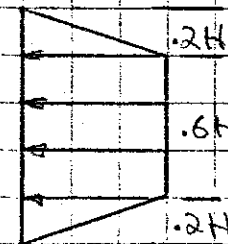
T & P 1967

$$p_a = .65 K_A H$$



SFC

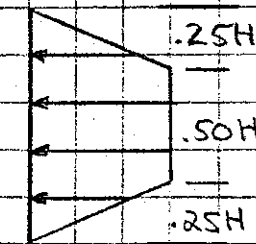
$$p_a = 25H$$



## STIFF COHESIVE SOILS

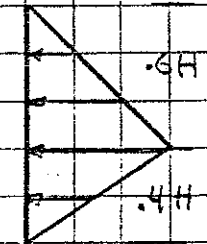
T & P 1967

$$p_a = .25H \text{ to } .45H$$



Tschembortzoff

$$p_a = .38H$$



100 32 .31

$$p_a = 24.8 H (\text{PSF})$$

$$P_T = 19.84 H^2 (\text{PLF})$$

$$p_a = 20.15 H (\text{PSF})$$

$$P_T = 20.15 H^2 (\text{PLF})$$

$$p_a = 25 H (\text{PSF})$$

$$P_T = 20.0 H^2 (\text{PLF})$$

$$100 p_a = 20.0 H (\text{PSF})$$

$$P_T = 15.0 H^2 (\text{PLF})$$

$$p_a = 30 H (\text{PSF})$$

$$P_T = 15.0 H^2 (\text{PLF})$$

110 35 .27

$$p_a = 23.8 H$$

$$P_T = 19.0 H^2$$

$$p_a = 19.31 H$$

$$P_T = 19.31 H^2$$

$$110 p_a = 22.0 H$$

$$P_T = 16.5 H^2$$

$$p_a = 33.0 H$$

$$P_T = 16.5 H^2$$

120 38 .24

$$p_a = 23.04 H$$

$$P_T = 18.43 H^2$$

$$p_a = 18.72 H$$

$$P_T = 18.72 H^2$$

$$120 p_a = 24.0 H$$

$$P_T = 18.0 H^2$$

$$p_a = 36.0 H$$

$$P_T = 18.0 H^2$$

130 40 .22

$$p_a = 22.88 H$$

$$P_T = 18.30 H^2$$

$$p_a = 18.59 H$$

$$P_T = 18.59 H^2$$

$$p_a = 25 H$$

$$P_T = 20.0 H^2$$

$$130 p_a = 26.0 H$$

$$P_T = 19.5 H^2$$

$$p_a = 39.0 H$$

$$P_T = 19.5 H^2$$

Comparison of various earth pressure envelopes for reasonably matched soil properties.