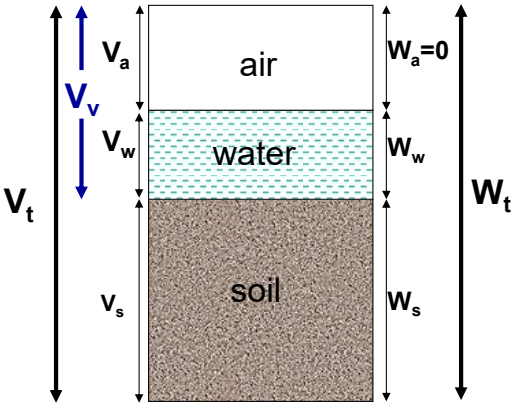
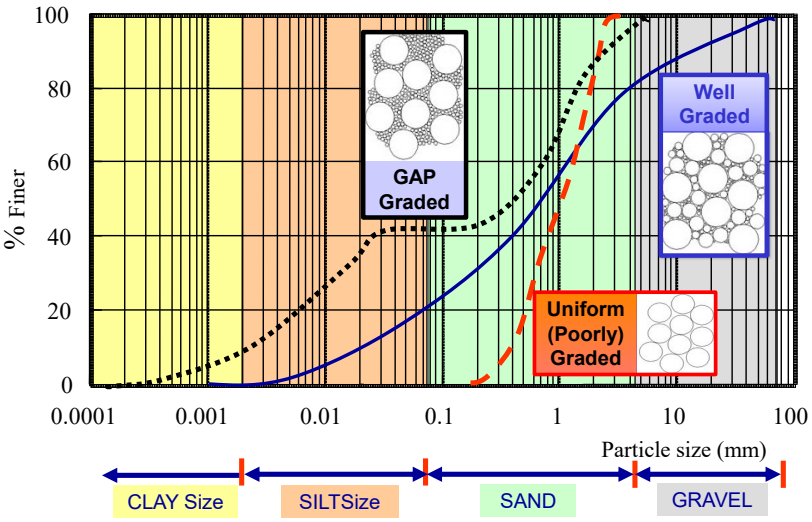
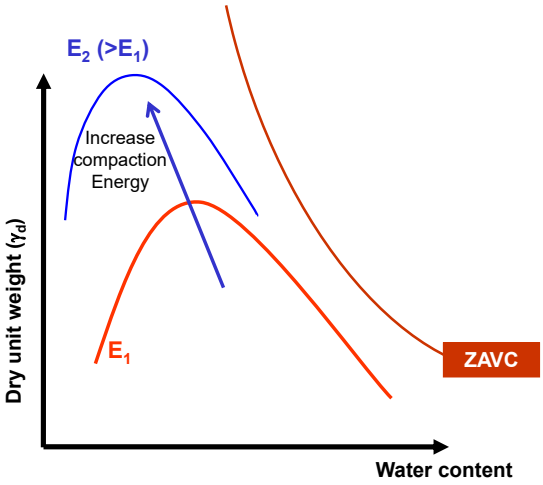
SOIL MECHANICS

VOLUME 1

SOIL CLASSIFICATION
COMPACTION





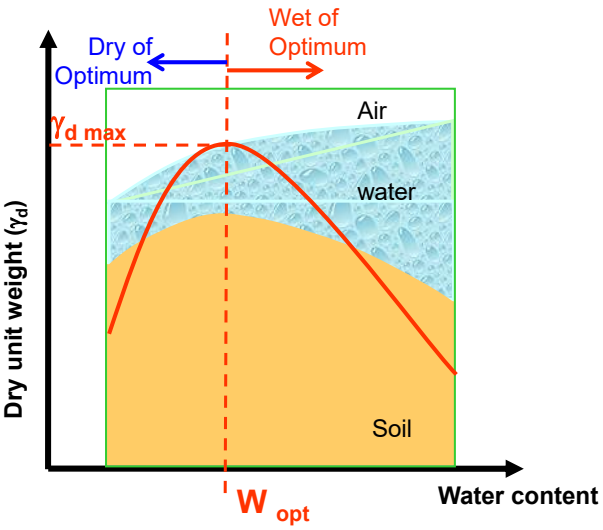


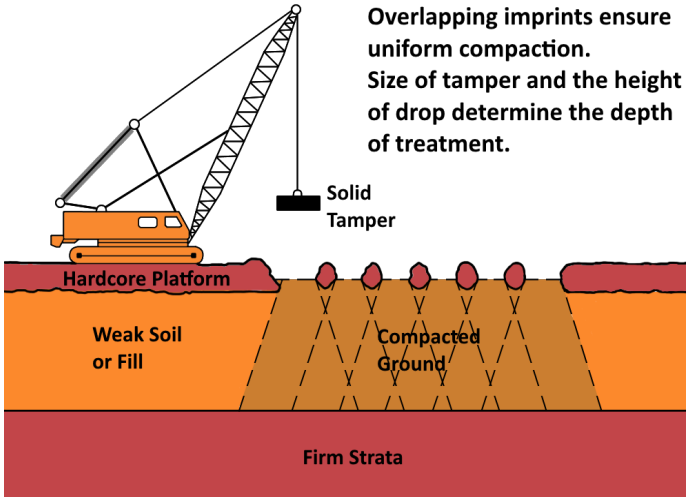
$$\gamma_d = \frac{\gamma_S}{1+e} = \frac{G_s \gamma_w}{1+e}$$

$$\gamma_d = \frac{\gamma_t}{1+w}$$

$$wG_s = eS$$

$$n = \frac{e}{1+e}$$





Overlapping imprints ensure uniform compaction. Size of tamper and the height of drop determine the depth of treatment.

Dr. GOUW TJIE-LIONG, ChFC

2021

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Soil Phases and Classification

Soil Compaction