Fine Grained Soils GROUP SYMBOL **GROUP NAME** <30% plus No. 200-<15% plus No. 200-</p> ➤ Lean clay 15-29% plus No. 200~ → % sand ≥% gravel → Lean clay with sand PI>7 and plots ► % sand <% gravel -> Lean clay with gravel on or above ➤ <15% gravel -Sandy lean clay "A"-line \geq 30% plus No. 200 ►≥15% gravel-Sandy lean clay with gravel ►<15% sand-→ Gravelly lean clay >15% sand-Gravelly lean clay with sand <30% plus No. 200 👡 →<15% plus No. 200 Silty clay 15-29% plus No. 200~ → % sand ≥% gravel → Silty clay with sand 4<PI<7 and **≻**CL-ML ►% sand <% gravel → Silty clay with gravel Inorganic plots on or above ➤<15% gravel — ➤ Sandy silty clay "A"-line >30% pius No. 20 ^≥15% gravel− Sandy silty clay with gravel ►<15% sand-Gravelly silty clay ►>15% sand-Gravelly silty clay with sand <30% plus No. 200 ← ►<15% plus No. 200-LL<50 ➤ Siit 15-29% plus No. 200-➤ % sand ≥% gravel ➤ Silt with sand PI<4 or plots 🏲 % sand <% gravel → Silt with gravel below "A"-line **→**<15% gravel – --- Sandy silt >30% plus No. 200 ►>15% gravel ---Sandy silt with gravel ►<15% sand -→ Gravelly silt >15% sand -Gravelly silt with sand ►See figure 1b <30% plus No. 200 < ➤<15% plus No. 200 15-29% plus No. 200~ → % sand ≥% gravel → Fat clay with sand PI plots on or-**≻**CH< % sand <% gravel -> Fat clay with gravel above "A"-line ►<15% gravel-→ Sandy fat clay >30% plus No. 200 ►≥15% gravel-Sandy fat clay with gravel

►<15% sand -Gravelly fat clay Inorganic >15% sand-Gravelly fat clay with sand (30% plus No. 200 🗲 →<15% plus No. 200 Elastic silt 🜥 15-29% plus No. 200 ➤% sand ≥% gravel → Elastic silt with sand PI plots below **≻**MH % sand <% gravel → Elastic silt with gravel LL≥50 "A"-line ►<15% gravel-→ Sandy elastic silt >30% plus No. 200 ≥15% gravel-Sandy elastic silt with gravel sand <% gravel -►<15% sand~ Gravelly elastic silt >15% sand-Gravelly elastic silt with sand

FIG. 1 Flow chart for Classifying Fine-Grained Soil (50% or More Passes No. 200 Sieve)

Fine Grained Organic Soils

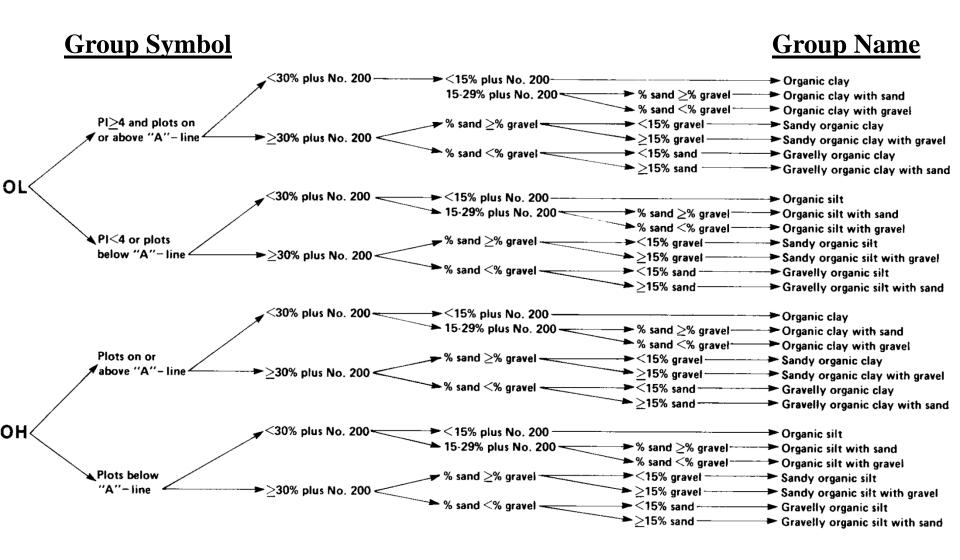
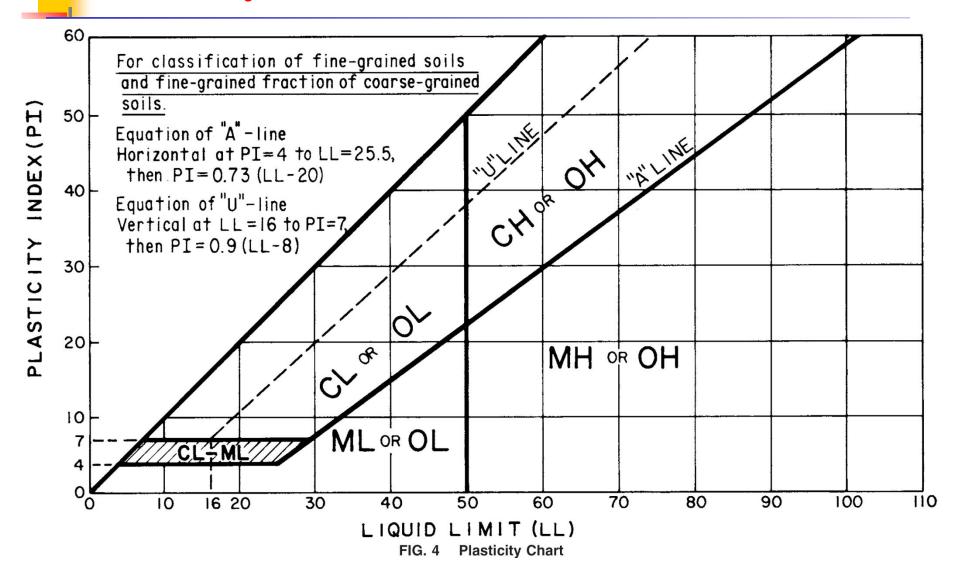


FIG. 2 Flow chart for Classifying Organic Fine-Grained Soil (50% or More Passes No. 200 Sieve)

Plasticity/A-line Chart



Coarse Grained Soils

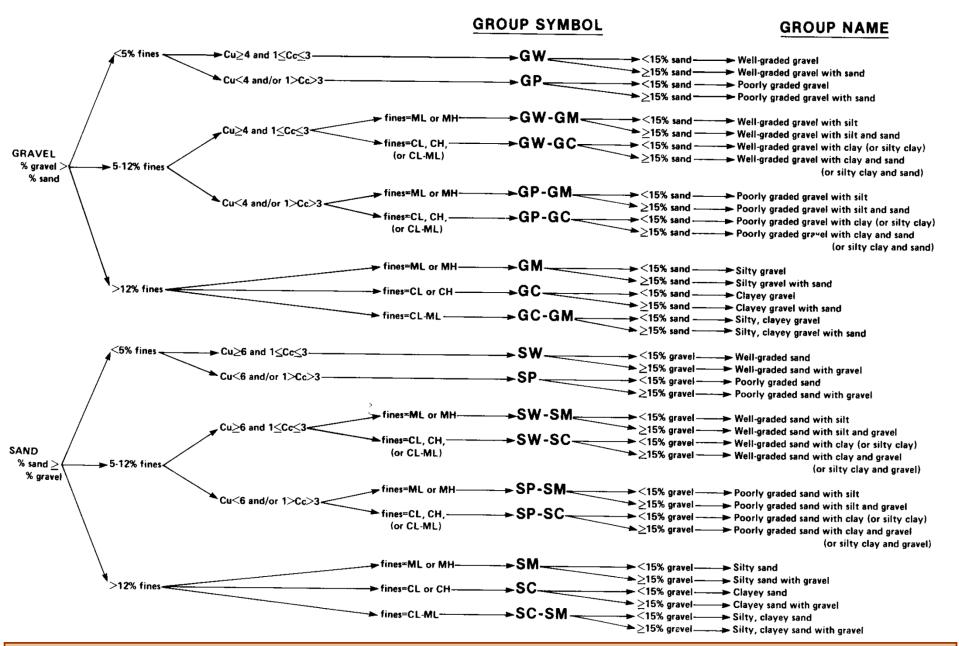


FIG. 3 Flow chart for Classifying Coarse-Grained Soils (50% or More Retained on No. 200 Sieve)