Soil Properties

Soils encountered at the project site include roadway embankment, artificial fill, and Coastal Plain soils.

Roadway embankment soil is common along Ray Rd. The embankments are up to 12 feet in height. Where sampled, the embankment soil consists of moist, loose to medium dense, silty sand (AASHTO classification A-2-4).

Artificial Fill is encountered along -Y4-. These soils are listed under "Areas of Special Geotechnical Interest". Artificial Fill soils occur at the ground surface and have been graded to allow for storage of mobile homes. Soils in this area exhibit plastic indexes greater than 26. These soils also show poor compaction and may contain voids. The majority of the material is soil, but may contain wood and rock fragments. Artificial Fill soils consist of loose, clayey sand (A-2-6), and medium stiff to stiff, highly plastic silty clay (A-7-6).

Coastal Plain soils are the exposed remnants of an ancient aquatic depositional system. These soils consist primarily of moist, loose to medium dense, silty sand (A-2-4), and clayey sand (A-2-6). Soils consisting of moist, medium stiff to very stiff, sandy silt (A-4), and silty clay (A-7-5 and A-7-6) occur within the project area as well. Areas containing highly plastic soils (plasticity indices of greater than 25) are listed above in the section "Areas of Special Geotechnical Interest".

Groundwater

Groundwater is not expected to cause any problems during construction.

Prepared by,

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