

- ii. Atterberg Limits - The liquid limit and the plastic limit tests ("Atterberg Limits") were conducted in general accordance with the AASHTO test designations T-089 and T-090, respectively (ASTM test designation D-4318).
- iii. Natural Moisture Content - The moisture content tests were conducted in general accordance with the AASHTO test designation T-265 (ASTM test designation D-2216).

4.0 SUBSURFACE CONDITIONS

4.1 SOIL STRATA

The soil strata encountered at the site are summarized in the table below, with the respective soil stratum number, soil description, and AASHTO soil classification:

Stratum Number	Soil Description	AASHTO Classification
1	Light Brown to Dark Brown to Reddish Brown to Grayish Brown to Light Gray to Gray to Light Brownish Gray to Reddish Gray to Pale Yellow to Yellow Sand SAND to SAND with Silt	A-3/A-2-4
2	Light Gray to Gray to Light Brown to Brown to Light Brownish Gray Silty Sand to Silty-Clayey SAND	A-2-4
3	Yellowish Brown to Greenish Gray Sandy Lean CLAY to Sandy Fat CLAY	A-6/A-7-6
4	Limestone	*

**AASHTO does not provide classification for Limestone*

The borings also contained rootlets/roots, clay inclusions, cemented sands, limestone fragments and when discernable amounts were observed, were noted adjacent to the soil profile at the depth encountered. The subsurface soil stratification is of a generalized nature to highlight the major subsurface stratification features and material characteristics. The soil profiles included on **Sheets 2 to 8** should be reviewed for specific information at individual boring locations. The SPT soil profile includes soil descriptions, stratifications, and penetration resistances. The stratifications shown on the boring profiles represent the conditions only at the actual boring location. Variations may occur and should be expected between boring locations. The stratifications represent the approximate boundary between subsurface materials and the actual transition may be gradual.

4.2 GROUNDWATER

Due to the drilling methods utilized, the groundwater table was not apparent within the depths explored by borings B-4, B-5, B-10, B-13 through B-16, B-18, B-19 and B-21 through B-34 and was noted with GNA below the respective soil profile. The remaining borings encountered the groundwater table at depths ranging from 6 to 9 feet below existing grade. The groundwater levels fluctuate with time due to seasonal moisture changes and locally heavy precipitation events. Therefore, future groundwater levels may be encountered at depths different from those identified in our borings.