

crystalline rock range between 38 and 70 percent. Three specimens were tested for unconfined compressive strength. The specimen conditions were moderately weathered, moderately hard to hard metamorphosed granite and biotite gneiss. The unconfined compressive strength of the specimens range between 1,560 and 9,670 psi. Each of the interior bent borings was terminated in or on crystalline rock.

Groundwater:

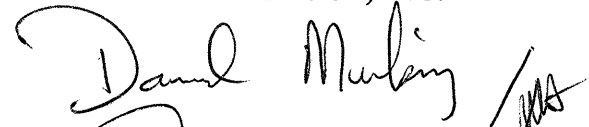
After completion of each boring, groundwater levels were measured and again measured at least 24 hours after the completion of drilling. Groundwater elevations range between 810 and 813 feet. Groundwater will typically conform to the level of the adjacent creek.

Closure:

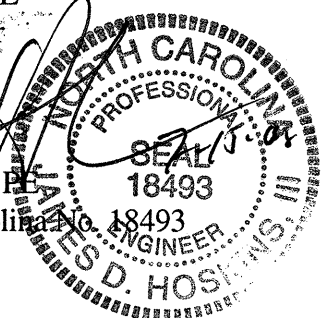
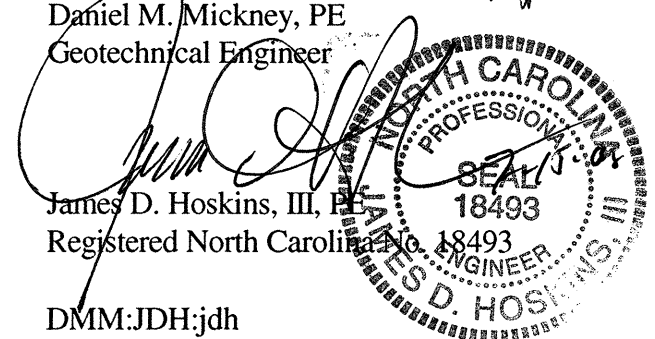
The geotechnical investigation is based on the Preliminary General Drawing dated 4-8-05. If any significant changes are made in the design or location of the proposed structure, the subsurface information will have to be reviewed and modified as necessary. For soil descriptions and general stratification at a particular boring location, the respective Boring Log should be reviewed. Cross-sections and profiles are a generalized interpretation of soil conditions between borings and should not be considered accurate other than at the boring locations. Subsurface conditions between boring locations or elsewhere on the site may vary, and subsurface anomalies may exist which were not detected.

Geoscience Group, Inc. appreciates the opportunity to be of service to the NCDOT on this project. Should you have any questions concerning this report, please feel free to contact the undersigned.

Respectfully,
GEOSCIENCE GROUP, INC.



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Enclosures