



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-2610B	5	59
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
6.529005T		P.E.	
		CONST.	

Rock Properties

The rocks along the project are primarily intermediate and felsic meta-volcanic rocks, meta-argillite and meta-sedimentary rocks of the Carolina Slate Belt.

Weathered rock was encountered in most borings that extended to depths of 4 meters or more. Hard rock, which yielded auger refusal, was encountered intermittently throughout the project. Weathered rock was observed in the existing cut slopes at 10+00 to 11+00, 49+20 to 50+00, 108+70 to 109+70, and 124+20 to 125+90. Hard rock is present within two meters of the proposed unclassified excavation limits at Stations 10+00 to 10+40, 88+30 to 88+70, 108+90 to 109+30, and 124+70 to 125+90 and blasting may be required to remove this rock.

Groundwater

Groundwater was encountered intermittently in borings throughout the project. Groundwater was not encountered at or near subgrade anywhere on the project. No water seeps were observed in the existing cut slopes.

Geotechnical Descriptive Analysis

This project will not be divided into segments for further description. Specific areas of concern have been addressed where conditions necessitate.

Respectfully Submitted,

N. T. Roberson
Project Geologist

CMG/NTR

File: R-2610B.inv.