

# SCDOT Soil Test Log

Project ID:		P027662			County:		Lexington/Richland		Boring No.:		B-59		
Site Description:		Carolina Crossroads I-20/26/126 Corridor Improvement Project								Route:		Site 37	
Eng./Geo.:		ELF/MFC		Boring Location:			206+15.30		Offset:		R:154.848		
Elev.:		322.4 ft		Latitude:		34.039279		Longitude:		-81.092863		Date Started:	
Total Depth:		119.6 ft		Soil Depth:		110 ft		Core Depth:		9.6 ft		Date Completed:	
Bore Hole Diameter (in):		3.5		Sampler Configuration			Liner Required:		Y (N)		Liner Used:		
Drill Machine:		CME 55		Drill Method:		RW		Hammer Type:		Automatic		Energy Ratio:	
Core Size:		NQ		Driller:		T. Miller		Groundwater:		TOB N/A		24HR	
												10.2 ft	

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	4th 6"	N Value	<div> <div>● SPT N VALUE ●</div> <div> <div>PL X</div> <div>MC ○</div> <div>LL X</div> </div> <div>▲ FINES CONTENT (%)</div> <div>0 10 20 30 40 50 60 70 80 90</div> </div>
217.4				103.5	SS-24	50/5"	-			100	
212.4				108.5	SS-25	3150/1"	-			100	
111.0		Tri-Cone Bit Refusal at 111 feet. Install NW Casing to 111 feet for NQ wireline coring.		111.0							
		For discontinuity descriptors, see discontinuity worksheet.			RC-1						
207.4		<b>METAMORPHIC BEDROCK - SCHIST</b> - pale olive (10Y 6/4), fine grained to very fine grained, foliated, highly to completely weathered, weak rock, low core recoveries likely due to seams of completely weathered rock or residual soil washed away by drilling process.		114.6							
		RC-1 : Rec= 14.0%, RQD= 0%, GSI= 10-20.			RC-2						
		@ 114.8 feet - yellowish-brown (10YR 5/6), extremely weak rock.									
119.6		RC-2 : Rec= 40.0%, RQD= 0%, GSI= 10-20, RMR = 34.									

## LEGEND

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SAMPLER TYPE		DRILLING METHOD	
SS	- Split Spoon	HSA	- Hollow Stem Auger
UD	- Undisturbed Sample	CFA	- Continuous Flight Augers
AWG	- Rock Core, 1-1/8"	DC	- Driving Casing
NQ	- Rock Core, 1-7/8"	RW	- Rotary Wash
CU	- Cuttings	RC	- Rock Core
CT	- Continuous Tube		