

SCDOT Soil Test Log

Project ID:		P027662			County:		Lexington/Richland		Boring No.:		B-42		
Site Description:		Carolina Crossroads I-20/26/126 Corridor Improvement Project								Route:		Site 42	
Eng./Geo.:		NGS		Boring Location:			15+14.99		Offset:		L:70.78'		
Alignment:												Proposed	
Elev.:	218.6 ft	Latitude:	34.021612		Longitude:	-81.094321		Date Started:		3/1/2018			
Total Depth:	87 ft	Soil Depth:	66.5 ft		Core Depth:	20.5 ft		Date Completed:		3/2/2018			
Bore Hole Diameter (in):		3.5	Sampler Configuration			Liner Required:		Y (N)		Liner Used:		Y (N)	
Drill Machine:	CME 55		Drill Method:	RW		Hammer Type:	Automatic		Energy Ratio:	84.1%			
Core Size:	NQ		Driller:	T. Miller		Groundwater:	TOB	5 ft		24HR	21 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</div> <div>MC</div> <div>LL</div> </div> <div>▲ FINES CONTENT (%)</div> </div>
153.6	66.5	Tri-Cone Bit Refusal at 66.5 feet. Install NW Casing to 66.5 feet for NQ wireline coring.		63.5	SS-16	50/2"	-	-	-	100	
		For discontinuity descriptors, see discontinuity worksheet.		66.5	RC-1						
148.6		IGNEOUS BEDROCK - GRANITE - pinkish-gray (5R 7/1), pale red (5R 7/3), and reddish-brown (5R 2.5/1), coarse grained, massive, moderately weathered, medium strong rock.		69.5							
		RC-1: Rec= 83.3%, RQD= 44.4%, GSI= 40-50.									
		@ 69.1 feet - slightly weathered, strong rock.									
		RC-2: Rec= 100%, RQD= 58.3%, GSI= 45-55, RMR = 47.			RC-2						
		@ 73.8 feet - moderately weathered, medium strong rock.									
143.6		@ 75 feet - slightly weathered, strong rock.		74.5							
					RC-3						
		RC-3: Rec= 90.0%, RQD= 51.7%, GSI= 45-55.		79.5							

LEGEND

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