

# 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>
	0.0	<b>SURFACE MATERIALS</b> - 9 inches of ASPHALT.		0.8							
	0.8	<b>ALLUVIUM - CLAYEY SAND (SC)</b> - loose, moist, yellow (2.5YR 7/8) and white (2.5YR 8/1), mostly fine to medium sands, some low plasticity fines, [LL=29, PL=17, PI=12, NMC=17.3%, %200=42.4], AASHTO = A-6 (2). @ 2.8 feet - medium dense.		2.8	SS-1	2	4	6	4	10	●
	4.8	<b>PIEDMONT RESIDUUM - SANDY ELASTIC SILT (MH)</b> - stiff, moist, white (2.5YR 8/1), red (2.5YR 5/6), and yellowish-brown (10YR 5/8), mostly high plasticity fines, some fine to coarse sands, [LL=51, PL=29, PI=22, NMC=23.9%, %200=59.7], AASHTO = A-7-6 (12).		4.8	SS-2	5	5	7	8	12	●
213.6	6.8	<b>SILTY SAND (SM)</b> - medium dense, moist, white (2.5YR 8/1), red (2.5YR 5/6), and yellowish-brown (10YR 5/8), mostly fine to medium sands, some low plasticity fines.		6.8	SS-3	4	5	7	10	12	●
				8.8	SS-4	3	7	7	13	14	●
208.6				13.5	SS-5	8	11	10	11	21	●
				18.5	SS-6	3	5	6		11	●
203.6		@ 18.5 feet - [LL=39, PL=28, PI=11, NMC=27.1%, %200=40.8], AASHTO = A-6 (1).			SS-7	3	5	7		12	●

## 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	