

# SCDOT Soil Test Log

<b>Project ID:</b>	029208	<b>County:</b>	Lexington	<b>Boring No.:</b>	B-10
<b>Site Description:</b>	I-26 WIDENING PROJECT MM85-MM101			<b>Route:</b>	S-49
<b>Eng./Geo.:</b>	M. Bailey	<b>Boring Location:</b>	83+70.99	<b>Offset:</b>	3' LT
<b>Elev.:</b>	444.5 ft	<b>Latitude:</b>	34.1927211	<b>Longitude:</b>	-81.3491926
<b>Date Started:</b>	9/6/2017				
<b>Total Depth:</b>	98.6 ft	<b>Soil Depth:</b>	98.6 ft	<b>Core Depth:</b>	82 ft
<b>Date Completed:</b>	9/9/2017				
<b>Bore Hole Diameter (in):</b>	2.25	<b>Sampler Configuration</b>		<b>Liner Required:</b>	Y (N)
<b>Liner Used:</b>	Y (N)				
<b>Drill Machine:</b>	DIEDRICH D5	<b>Drill Method:</b>	2.25 HSA	<b>Hammer Type:</b>	Automatic
<b>Energy Ratio:</b>	84%				
<b>Core Size:</b>	NQ	<b>Driller:</b>	Patriot	<b>Groundwater:</b>	TOB GNE
<b>24HR:</b>	GNE				

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	N Value	<div> <div> ● SPT N VALUE ● </div> <div> PL X MC O LL X </div> <div> ▲ FINES CONTENT (%) </div> </div>
439.5	5.5	<b>FILL</b> Very stiff to hard, dry, reddish tan to brown, Sandy SILT (ML) (A-5) with trace gravel		1.0	SS-1	11	14	12	26	<div> <div> ● </div> <div> </div> <div> </div> </div>
				3.5	SS-2	12	26	18	44	<div> <div> </div> <div> </div> <div> ● </div> </div>
434.5	12.0	<b>RESIDUAL</b> Hard to very stiff, dry to moist, reddish brown, Elastic SILT (MH) (A-7-5) LL=68, PL=46, PI=22, NMC=19.0, %200=95		6.0	SS-3	11	15	16	31	<div> <div> ● </div> <div> </div> <div> </div> </div>
				8.5	SS-4	10	12	14	26	<div> <div> ○ ● </div> <div> X X </div> <div> ▲ </div> </div>
429.5		Stiff to very hard, moist, orangish tan to tannish brown, Sandy SILT (ML) (A-4) with trace mica LL=33, PL=25, PI=8, NMC=11.2, %200=80		13.5	SS-5	6	5	5	10	<div> <div> ● </div> <div> </div> <div> </div> </div>
424.5				18.5	SS-6	4	5	5	10	<div> <div> ● </div> <div> </div> <div> </div> </div>
419.5				23.5	SS-7	4	5	6	11	<div> <div> ● </div> <div> </div> <div> </div> </div>
414.5				28.5	SS-8	5	8	10	18	<div> <div> ● </div> <div> </div> <div> </div> </div>
409.5				33.5	SS-9	16	26	34	60	<div> <div> ○ X X </div> <div> </div> <div> ● ▲ </div> </div>
	37.0	<b>PARTIALLY WEATHERED ROCK</b> Very hard, moist, tan, sampled as Sandy SILT (A-4)	<div> <div>△</div> <div>△</div> <div>△</div> <div>△</div> </div>	38.5	SS-10	49	50/3		50/3	<div> <div> </div> <div> </div> <div> &gt;&gt; ● </div> </div>

## 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	