

SCDOT Soil Test Log

Project ID: 029208				County: Lexington		Boring No.: B-11		
Site Description:		I-26 WIDENING PROJECT MM85-MM101					Route: S-49	
Eng./Geo.: M. Bailey		Boring Location: 82+39.17			Offset: 13' RT		Alignment: PROPOSED	
Elev.: 440.6 ft	Latitude: 34.1923745	Longitude: -81.3490529		Date Started:		8/25/2017		
Total Depth: 83.5 ft	Soil Depth: 63.5 ft	Core Depth: 20 ft		Date Completed:		8/25/2017		
Bore Hole Diameter (in): 2.25		Sampler Configuration		Liner Required: Y (N)		Liner Used: Y (N)		
Drill Machine: CME-550X	Drill Method: 2.25 HSA	Hammer Type: Automatic		Energy Ratio: 80%				
Core Size: NQ	Driller: Soil Consultants	Groundwater: TOB GNE		24HR: 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> <div>PL</div> <div>MC</div> <div>LL</div> </div> <div>▲ FINES CONTENT (%)</div> </div>
395.6	42.0	PARTIALLY WEATHERED ROCK Very hard, moist, tannish brown, sampled as Sandy SILT (A-4)		43.5	SS-11	30	40	50/5	50/5	>>●
390.6	47.0	Hard, moist, tannish brown, Sandy SILT (ML) (A-4)		48.5	SS-12	20	32	48	80	●
385.6	52.0	PARTIALLY WEATHERED ROCK Very hard, moist, orangish tan, sampled as Sandy SILT (A-4)		53.5	SS-13	50/3			50/3	>>●
380.6	57.0	PARTIALLY WEATHERED ROCK Extremely dense, moist, orangish brown, sampled as Silty SAND (A-2-4)		58.5	SS-14	50/5			50/5	>>●
375.6	63.5	Auger refusal at 63.5 feet. Started rock coring.		63.5	SS-15	50/0			50/0	>>●
370.6	67.9	METAMUDSTONE, black, closely fractured, very slight weathering, hard		67.9	NQ-1					REC=25%, RQD=0%
365.6	71.9	METAMUDSTONE, black, closely fractured, very slight weathering, hard		71.9	NQ-2					REC=84%, RQD=0%, UCS=5008.5 psi
	76.9	METATUFF, black, closely fractured, very slight weathering, hard		76.9	NQ-3					REC=42%, RQD=0%
					NQ-4					REC=92%, RQD=20%

LEGEND

Continued Next Page

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	