

# SCDOT Soil Test Log

<b>Project ID:</b>	P043969	<b>County:</b>	Oconee	<b>Boring No.:</b>	B-2
<b>Site Description:</b>	US 76 over Chauga River			<b>Route:</b>	US 76
<b>Eng./Geo.:</b>	A. Chandler	<b>Boring Location:</b>		<b>Offset:</b>	
<b>Elev.:</b>	ft	<b>Latitude:</b>		<b>Longitude:</b>	
<b>Date Started:</b>	10/14/2024				
<b>Total Depth:</b>	63.6 ft	<b>Soil Depth:</b>	63.6 ft	<b>Core Depth:</b>	21.2 ft
<b>Date Completed:</b>	10/15/2024				
<b>Bore Hole Diameter (in):</b>	6	<b>Sampler Configuration</b>		<b>Liner Required:</b>	Y (N)
<b>Liner Used:</b>	Y (N)				
<b>Drill Machine:</b>	Diedrich D-50	<b>Drill Method:</b>	HSA	<b>Hammer Type:</b>	Automatic
<b>Energy Ratio:</b>	95.5%				
<b>Core Size:</b>	NQ	<b>Driller:</b>	C. Odom	<b>Groundwater:</b>	TOB 52 ft
<b>24HR</b>					

Elevation (ft)	Depth (ft)	MATERIAL DESCRIPTION	Graphic Log	Sample Depth (ft)	Sample No./Type	1st 6"	2nd 6"	3rd 6"	4th 6"	N Value	SPT N VALUE	PL	MC	LL	FINES CONTENT (%)	RQD (%)	REC (%)
	0.0	Asphalt															
	0.7	<b>ASPHALT (0.7 ft)</b>															
	1.7	<b>STONE BASE MATERIAL (1.0 ft)</b>															
	3.7	<b>EXISTING FILL</b> Firm, Moist, Red, Low Plasticity to Medium Plasticity, <u>SILT (ML)</u> , 2.5YR 4/6, Micaceous		1.7													
	5.7	Firm, Moist, Red/Brown, Non-Plastic to Low Plasticity, Fine to Medium Sandy <u>SILT</u> , 2.5YR 4/6 & 7.5YR 4/4, Micaceous		3.7	SS-1	2	2	3	3	5	●						
	7.7	Loose, Moist, Brown, Non-Plastic to Low Plasticity, Silty Fine to Medium <u>SAND (SM)</u> , 2.5YR 4/4, Micaceous		5.7	SS-2	2	3	4	4	7	●						
	9.7	@SS-4: Reddish Brown, 2.5YR 4/3, Trace of Gravel		7.7	SS-3	4	4	5	6	9	●						
	10.7	@SS-5: Very Dense, Light Gray, 2.5YR 7/1, Trace of Gravel		9.7	SS-4	4	4	6	8	10	●						
	13.5	<b>PIEDMONT RESIDUUM</b> @SS-6: Loose, Reddish Brown, 2.5YR 4/3, Trace of Gravel		10.7	SS-5	8	10	50/4"		60+	●						
	18.5			13.5	SS-6	2	3	4		7	●						
	23.5	Soft to Firm, Moist, Red, Non-Plastic to Low Plasticity, <u>SILT (ML)</u> with Fine to Medium Sand, 2.5YR 5/6, Micaceous & Trace of Gravel		18.5	SS-7	4	4	5		9	●						
	28.5	@SS-9: Red/Light Olive Brown, 2.5YR 5/6 & 2.5Y 5/6		23.5	SS-8	3	3	3		6	●						
				28.5	SS-9	1	2	2		4	●						

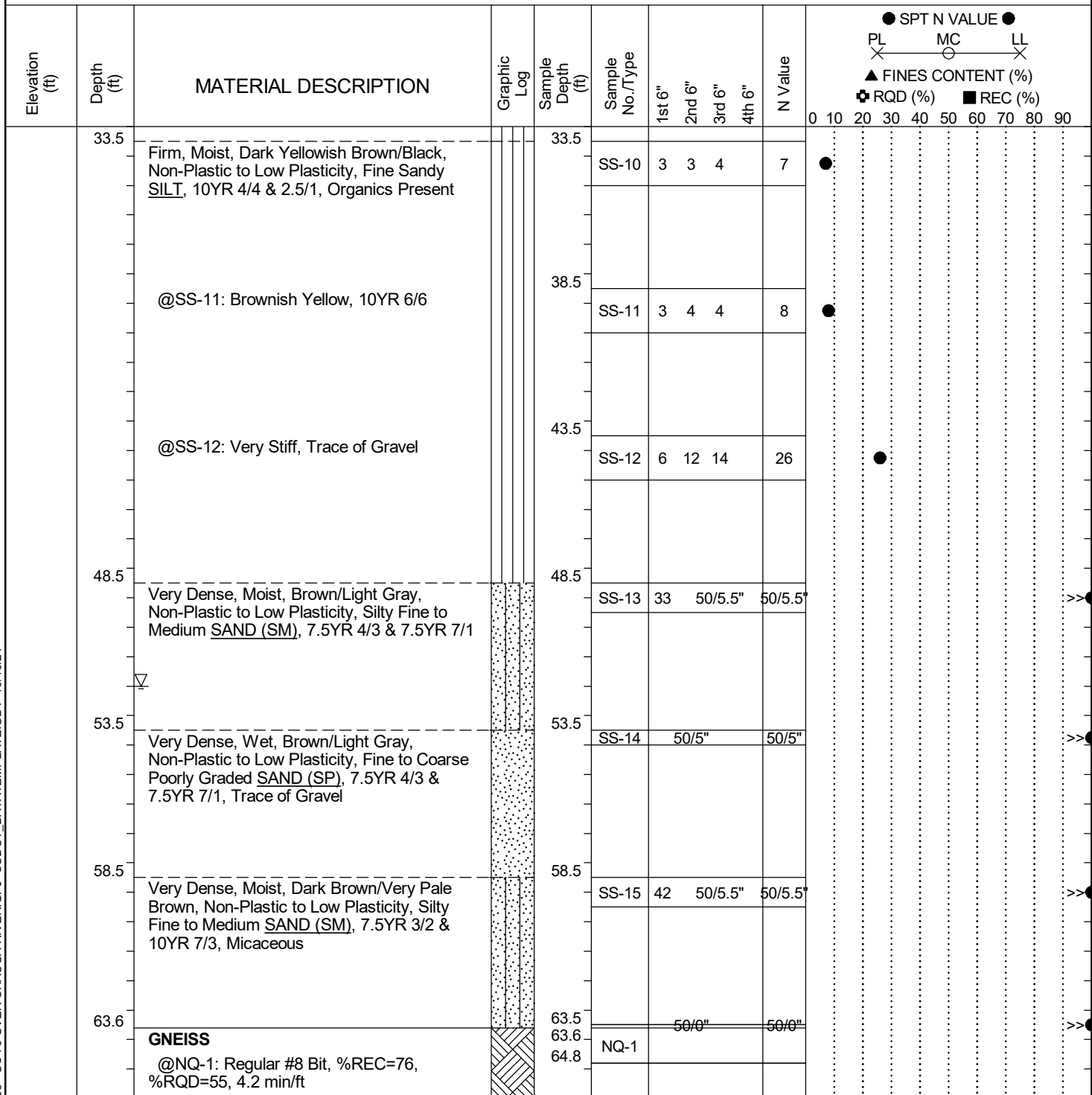
## LEGEND

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	

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<b>Liner Used:</b>	Y (N)				
<b>Drill Machine:</b>	Diedrich D-50	<b>Drill Method:</b>	HSA	<b>Hammer Type:</b>	Automatic
<b>Energy Ratio:</b>	95.5%				
<b>Core Size:</b>	NQ	<b>Driller:</b>	C. Odom	<b>Groundwater:</b>	TOB 52 ft
<b>24HR</b>					



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Continued Next Page

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<b>Eng./Geo.:</b> A. Chandler		<b>Boring Location:</b>		<b>Offset:</b>		<b>Alignment:</b> Existing CL	
<b>Elev.:</b> ft	<b>Latitude:</b>		<b>Longitude:</b>		<b>Date Started:</b>		10/14/2024
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<b>Drill Machine:</b> Diedrich D-50		<b>Drill Method:</b> HSA		<b>Hammer Type:</b> Automatic		<b>Energy Ratio:</b> 95.5%	
<b>Core Size:</b> NQ		<b>Driller:</b> C. Odom		<b>Groundwater:</b> TOB 52 ft		<b>24HR</b>	

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> PL X MC O LL X </div> <div> ▲ FINES CONTENT (%) </div> <div> ⊕ RQD (%) ■ REC (%) </div> </div>
		@NQ-2: Regular #8 Bit, %REC=95, %RQD=94, 4.4 min/ft			NQ-2						
		@NQ-3: Regular #8 Bit, %REC=98, %RQD=98, 4.6 min/ft		69.8	NQ-3						
		@NQ-4: Regular #8 Bit Changed, %REC=100, %RQD=90, 8.8 min/ft		74.8	NQ-4						
		@NQ-5: Regular #8 Bit, %REC=88, %RQD=76, 4.8 min/ft		79.8	NQ-5						
84.8		Boring Terminated at 84.8 ft. Below Existing Pavement Surface.									

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