

Project ID: P043969				County: Oconee		Boring No.: B-3	
Site Description: US 76 over Chauga River			Route: US 76				
Eng./Geo.: C Piercy		Boring Location:		Offset:		Alignment: Existing CL	
Elev.: ft	Latitude:	Longitude:		Date Started:		10/19/2024	
Total Depth: 72.3 ft	Soil Depth: 2.6 ft	Core Depth: 20.6 ft	Date Completed:		10/19/2024		
Bore Hole Diameter (in): 6		Sampler Configuration		Liner Required: Y (N)		Liner Used: Y (N)	
Drill Machine: Diedrich D-50	Drill Method: RW	Hammer Type: Automatic		Energy Ratio: 95.5%			
Core Size: NQ	Driller: C. Odom	Groundwater: TOB 48.1 ft		24HR	48.5 ft		

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## 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	

# SCDOT Soil Test Log

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<b>Eng./Geo.:</b>	C Piercy	<b>Boring Location:</b>		<b>Offset:</b>	
<b>Elev.:</b>	ft	<b>Latitude:</b>		<b>Longitude:</b>	
<b>Date Started:</b>	10/19/2024				
<b>Total Depth:</b>	72.3 ft	<b>Soil Depth:</b>	2.6 ft	<b>Core Depth:</b>	20.6 ft
<b>Date Completed:</b>	10/19/2024				
<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>	RW	<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 48.1 ft
<b>24HR:</b>	48.5 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> ● SPT N VALUE ●  PL      MC      LL  X      O      X  ▲ FINES CONTENT (%)  ⊕ RQD (%)    ■ REC (%) </div>
48.1		▼ <b>WATER (1.0 ft)</b>									
49.1		<b>PIEDMONT RESIDUUM</b>									
49.5		Very Dense, Wet, Yellowish Brown, Non-Plastic to Low Plasticity, Fine to Coarse SAND (SP) with Silt, 10YR 5/4, Trace of Organics			SS-1	24	16	50/2*	76+		>> ●
51.7		Very Dense, Wet, Gray, Non-Plastic to Low Plasticity, Silty Fine to Coarse SAND (SM), 10YR 5/1, Micaceous with Angular Gravel									>> ●
		<b>GNEISS</b>									
		@NQ-1: Regular #8 Bit, %REC=99, %RQD=59, 2.3 min/ft									
		@NQ-2: Regular #8 Bit, %REC=98, %RQD=58, 5.2 min/ft									
		@NQ-3: Regular #8 Bit, %REC=95, %RQD=67, 4.4 min/ft									
					NQ-1						
					NQ-2						
					NQ-3						

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<b>Liner Used:</b>	Y (N)				
<b>Drill Machine:</b>	Diedrich D-50	<b>Drill Method:</b>	RW	<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 48.1 ft
<b>24HR:</b>	48.5 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> ● SPT N VALUE ●  PL X MC O LL X  ▲ FINES CONTENT (%)  ⊕ RQD (%) ■ REC (%) </div>
		@NQ-4: Regular #8 Bit, %REC=98, %RQD=86, 5.8 min/ft		64.3							
					NQ-4						
		@NQ-5: Regular #8 Bit, %REC=100, %RQD=93, 6.0 min/ft		69.3							
					NQ-5						
	72.3	Boring Terminated at 72.3 ft. Below Existing Bridge Surface.									

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