

SCDOT Soil Test Log

Project ID:	P043789	County:	Jasper County	Boring No.:	R-2
Site Description:	US 278 over Beaver Dam Branch			Route:	US 278
Eng./Geo.:	G. Cantelle	Boring Location:		Offset:	
Elev.:	ft	Latitude:		Longitude:	
Date Started:	10/14/2024				
Total Depth:	60 ft	Soil Depth:	60 ft	Core Depth:	0 ft
Date Completed:	10/15/2024				
Bore Hole Diameter (in):	4.0	Sampler Configuration		Liner Required:	Y (N)
Liner Used:	Y (N)				
Drill Machine:	CME 45B	Drill Method:	RW	Hammer Type:	Automatic
Energy Ratio:	86.4%				
Core Size:	N/A	Driller:	D. Harris	Groundwater:	TOB 8 ft
24HR					

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																
	0.1	ASPHALT (1.5-in.)		0.1	SS-1	1	14	19	21	33							
		EXISTING FILL		2.0													
		Dense, Moist to Wet, Light Olive Brown, Non-Plastic to Low Plasticity, Silty Fine to Medium SAND (SM/A-2-4), No HCl Reaction, 2.5Y5/3		4.0	SS-2	19	18	17	7	35							
		@SS-2: Moist, Olive Gray, 5Y5/2		6.0	SS-3	3	4	4	5	8							
	6.0	@SS-3: Loose, Light Olive Gray, 5Y6/2		8.0	SS-4	3	3	3	3	6							
		ALLUVIUM (HOLOCENE)		9.5	SS-5	2	2	3	3	5							
		Loose, Moist to Wet, Gray, Low Plasticity to Medium Plasticity, Silty Clayey Fine to Medium SAND (SC-SM/A-2-6), No HCl Reaction, 5Y5/1															
		@SS-5: Light Olive Gray, 5Y6/2															
		Loose, Moist to Wet, Black, Non-Plastic to Low Plasticity, Silty fine to Medium SAND (SM/A-2-4), No HCl Reaction, 10YR2/1		13.5	SS-6	6	6	7		13							
		Medium Dense, Moist to Wet, Dark Olive Gray, Non-Plastic to Low Plasticity, Fine to Coarse Poorly Graded SAND (SP/A-3), No HCl Reaction, 5Y3/2		18.5	SS-7	2	2	4		6							
	18.5	Loose, Moist, Greenish Gray, Non-Plastic to Low Plasticity, Silty Fine to Coarse SAND (SM/A-2-4), No HCl Reaction,, 5GY5/1		23.5	SS-8	5	7	10		17							
		UNDIFFERENTIATED MIOCENE		28.5	SS-9	7	11	13		24							
		Very Stiff, Moist, Greenish Gray, Low Plasticity to Medium Plasticity, Sandy SILT (ML/A-4), Slight HCl Reaction, 5GY5/1															

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	

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	33.5	Medium Dense, Moist, Greenish Gray, Non-Plastic to Low Plasticity, Silty Fine to Medium SAND (SM/A-2-4), No HCl Reaction, 5GY3/2		33.5	SS-10	6	9	19		28	●
	38.5	Very Stiff, Moist, Dark Greenish Gray, Non-Plastic to Low Plasticity, Fine Sandy SILT (ML/A-4), Slight HCl Reaction, 5GY4/2		38.5	SS-11	6	10	17		27	●
	43.5			43.5	SS-12	7	9	17		26	●
	48.5	Very Stiff, Moist, Dark Greenish Gray, Non-Plastic to Low Plasticity, SILT (ML/A-4) with Fine Sand, No HCl Reaction, 5GY3/2		48.5	SS-13	9	10	13		23	●
	53.5			53.5	SS-14	5	6	9		15	●
	58.5	@SS-15: Slight HCl Reaction		58.5	SS-15	6	8	13		21	●
	60.0	Boring Terminated at Target Depth of 60.0-ft in Coastal Plain soils.									

LEGEND

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SC.DOT G7100.006 - US 278 BEAVERDAM BRANCH.GPJ SCDOT_DATATEMPLATE.GDT 10/16/24