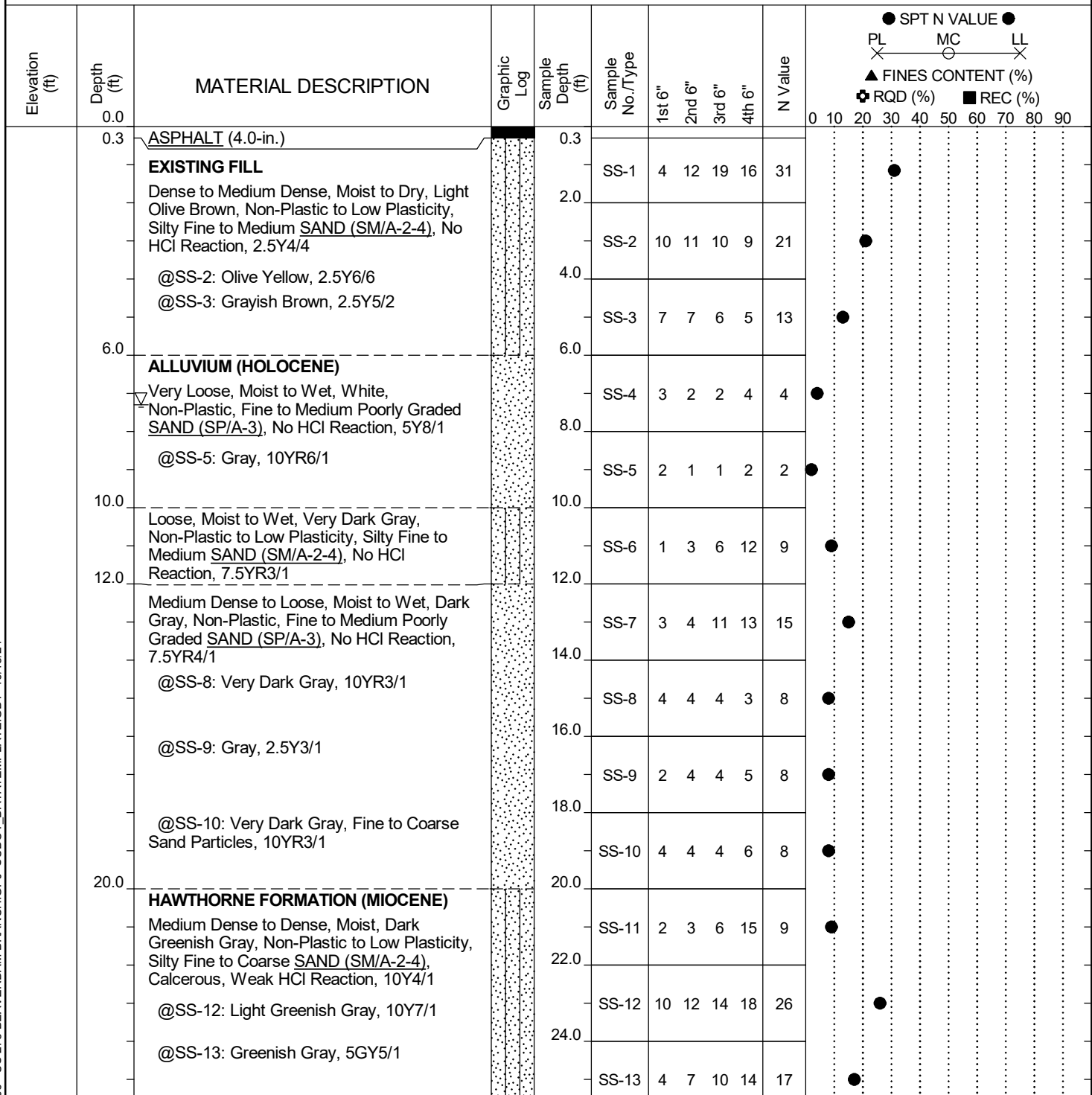


# SCDOT Soil Test Log

<b>Project ID:</b>	P043789	<b>County:</b>	Jasper County	<b>Boring No.:</b>	B-2
<b>Site Description:</b>	US 278 over Beaver Dam Branch			<b>Route:</b>	US 278
<b>Eng./Geo.:</b>	G. Cantelle	<b>Boring Location:</b>		<b>Offset:</b>	
<b>Elev.:</b>	ft	<b>Latitude:</b>		<b>Longitude:</b>	
<b>Date Started:</b>	10/15/2024				
<b>Total Depth:</b>	100 ft	<b>Soil Depth:</b>	100 ft	<b>Core Depth:</b>	0 ft
<b>Date Completed:</b>	10/17/2024				
<b>Bore Hole Diameter (in):</b>	4.0	<b>Sampler Configuration</b>		<b>Liner Required:</b>	Y (N)
<b>Liner Used:</b>	Y (N)				
<b>Drill Machine:</b>	CME 45B	<b>Drill Method:</b>	RW	<b>Hammer Type:</b>	Automatic
<b>Energy Ratio:</b>	86.4%				
<b>Core Size:</b>	N/A	<b>Driller:</b>	D. Harris	<b>Groundwater:</b>	TOB 7.3(cave@7.3)
<b>24HR</b>	NR				



## 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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<b>Eng./Geo.:</b>	G. Cantelle	<b>Boring Location:</b>		<b>Offset:</b>	
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<b>Energy Ratio:</b>	86.4%				
<b>Core Size:</b>	N/A	<b>Driller:</b>	D. Harris	<b>Groundwater:</b>	TOB 7.3(cave@7.3)
<b>24HR</b>	NR				

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 X LL X  ▲ FINES CONTENT (%)  ⊕ RQD (%) ■ REC (%) </div>
		@SS-14: Moist to Dry		26.0							
					SS-14	14	16	22	27	38	
		@SS-15: Fine to Medium Sand Particles		28.0							
					SS-15	5	8	11	17	19	
		@SS-16: Very Dense, Moist, No to Slight HCl Reaction		30.0							
					SS-16	24	23	34	31	57	
		@SS-17: Medium Dense, Moist		32.0							
					SS-17	8	10	20	26	30	
		@SS-18: Dark Grayish Green, 5GY4/2		34.0							
					SS-18	5	8	17	21	25	
	36.0	Hard to Very Stiff, Moist, Very Dark Grayish Green, Non-Plastic to Low Plasticity, Sandy SILT (ML/A-4), Calcereous, Slight HCl Reaction, 5GY3/2		36.0							
					SS-19	10	15	26	31	41	
		@SS-20: Well Compacted		38.5							
					SS-20	9	11	14		25	
				43.5							
					SS-21	6	17	50/5.5"		67+	
				48.5							
					SS-22	6	9	12		21	

## LEGEND

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SAMPLER TYPE		DRILLING METHOD	
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<b>Site Description:</b>	US 278 over Beaver Dam Branch			<b>Route:</b>	US 278
<b>Eng./Geo.:</b>	G. Cantelle	<b>Boring Location:</b>		<b>Offset:</b>	
<b>Elev.:</b>	ft	<b>Latitude:</b>		<b>Longitude:</b>	
<b>Total Depth:</b>	100 ft	<b>Soil Depth:</b>	100 ft	<b>Core Depth:</b>	0 ft
<b>Date Started:</b>	10/15/2024				
<b>Date Completed:</b>	10/17/2024				
<b>Bore Hole Diameter (in):</b>	4.0	<b>Sampler Configuration</b>		<b>Liner Required:</b>	Y (N)
<b>Liner Used:</b>	Y (N)				
<b>Drill Machine:</b>	CME 45B	<b>Drill Method:</b>	RW	<b>Hammer Type:</b>	Automatic
<b>Energy Ratio:</b>	86.4%				
<b>Core Size:</b>	N/A	<b>Driller:</b>	D. Harris	<b>Groundwater:</b>	TOB 7.3(cave@7.3)
<b>24HR</b>	NR				

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 X LL X  ▲ FINES CONTENT (%)  + RQD (%) ■ REC (%) </div>
		@SS-23: Dark Grayish Olive, 10Y4/2		53.5	SS-23	5	7	9		16	●
	58.5	Very Stiff, Moist to Dry, Dark Grayish Olive, Low Plasticity to Medium Plasticity, <u>SILT</u> (ML/A-4), Calcereous, Weak HCl Reaction, 10Y4/2		58.5	SS-24	5	8	11		19	●
				63.5	SS-25	6	10	15		25	●
	68.5	Very Stiff to Stiff, Moist to Dry, Dark Grayish Olive, Non-Plastic to Low Plasticity, Sandy <u>SILT</u> (ML/A-4), Calcereous, Slight HCl Reaction, 10Y4/2		68.5	SS-26	7	8	12		20	●
		@SS-27: Low Plasticity to Medium Plasticity		73.5	SS-27	6	7	12		19	●

## LEGEND

Continued Next Page

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<b>Site Description:</b>	US 278 over Beaver Dam Branch			<b>Route:</b>	US 278
<b>Eng./Geo.:</b>	G. Cantelle	<b>Boring Location:</b>		<b>Offset:</b>	
<b>Elev.:</b>	ft	<b>Latitude:</b>		<b>Longitude:</b>	
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<b>Bore Hole Diameter (in):</b>	4.0	<b>Sampler Configuration</b>		<b>Liner Required:</b>	Y (N)
<b>Liner Used:</b>	Y (N)				
<b>Drill Machine:</b>	CME 45B	<b>Drill Method:</b>	RW	<b>Hammer Type:</b>	Automatic
<b>Energy Ratio:</b>	86.4%				
<b>Core Size:</b>	N/A	<b>Driller:</b>	D. Harris	<b>Groundwater:</b>	TOB 7.3(cave@7.3)
<b>24HR</b>	NR				

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 — LL X  ▲ FINES CONTENT (%)  ⊕ RQD (%) ■ REC (%) </div>
				78.5	SS-28	5	5	8		13	●
	83.5	Very Stiff to Stiff, Dry, Dark Grayish Olive, Non-Plastic to Low Plasticity, SILT (ML/A-4), Calcereous, Weak Hcl Reaction, 10Y4/2		83.5	SS-29	5	6	9		15	●
				88.5	SS-30	5	5	8		13	●
	93.5	Very Stiff, Dry, Dark Grayish Olive, Non-Plastic to Low Plasticity, Sandy SILT (ML/A-4), Calcereous, Weak HCl Reaction, 10Y4/2		93.5	SS-31	7	8	9		17	●
	98.5	Medium Dense, Wet, White, Non-Plastic, Silty Fine to Coarse SAND (SM/A-2-4) with Trace Shells (Limestone), Strong HCl Reaction, N8/		98.5	SS-32	10	11	13		24	●
	100.0	Boring Terminated at Target Depth of 60.0-ft. Boring Achieved Target Depth.									

## LEGEND

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SC.DOT G7100.006 - US 278 BEAVERDAM BRANCH.GPJ SCDOT\_DATATEMPLATE.GDT 10/18/24