



# GEODESIGN INCORPORATED

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## BORING LOG

Project Name

Route 125 Bridge  
 RS 0174 (8)  
 Middlebury, VT

Boring No.: A-6

Page No.: 1 of 1

File No.: 750-04.1

Checked By: JEL

Boring Company: M & W Soils Engineering, Inc.  
 Foreman: Myron Domingue  
 GeoDesign Rep.: Jason Gaudette  
 Date Started: July 8, 2003 Date Finished: July 8, 2003  
 N. Coordinates: E. Coordinates:  
 Ground Surface Elevation (feet): 592  
 Station: 18+73.10 Offset: 13.3 ft LT

Type	Casing		Sampler		Groundwater Observations			
	ID#	None	SS	Date	Depth (ft)	Elev. (ft)	Notes	
Hammer Wt.:	N/A	140 lbs	7/8/03, 13:20	17.0	575.0	Wet Soil		
Hammer Falls:	N/A	30 in.						
Rig Type:	B-47 Mobile Drill Track							
Other:								

Depth (ft)	Casing Blows/ft	Sample Information										Strata Description	Symbol	Sample Description		
		Number	Type	Penetration (inches)	Recovery (inches)	Depth (ft)	Blows / 6 inch Interval				Coring Time (min./ft)				Moisture Content (%)	
							0 - 6	6 - 12	12 - 18	18 - 24						
		S1	SS	24	6	0	2	3	3	2				SAND and GRAVEL FILL	S1): Loose, dark brown, fine to coarse SAND, some Silt, trace fine Gravel with roots and pine needles.	
		S2	SS	24	6	2	3	4	11	11					S2): Medium dense, similar to S1 with piece of fractured Cobble in spoon tip.	
5		S3	SS	24	10	4	6	3	6	11					S3): Loose, light brown to orange, fine to medium SAND, some Silt, little Gravel, moist.	
		S4	SS	24	12	6	33	10	5	4					S4): Medium dense, similar to S3 except with coarse Sand, little Gravel and tree roots.	
		S5	SS	24	0	8	9	7	4	3					S5): Medium dense. No recovery.	
10		S6	SS	24	16	10	9	10	14	16					S6): Medium dense, light brown, fine to medium SAND, some Silt, little Gravel.	
		S7	SS	12	8	12	38	45							GLACIAL TILL (with Cobbles)	Bottom 4": gray-brown with pulverized rock fragments.
		S8	SS	24	14	15	15	29	31	36					S7): Refusal. Similar to S6 except beige-brown with little Silt.	
		S9	SS	3	1	17	50/3"								S8): Very dense, olive-brown, fine to medium SAND, some Silt, little fine to coarse Gravel, wetter than S7.	
		S10	SS	24	16	20	22	32	40	35					S9): Very dense/Refusal. Similar to S8 with green schistose piece of Gravel in spoon tip.	
														S10): Very dense, brown, fine to coarse SAND, some Gravel, little Silt, moist.		
														Bottom of Exploration at 22.0 ft		

RTE. 125 BRIDGE CONVERSION 750-03.10 (EDITED TO IMPERICAL).GPJ - GEODESIGN STANDARD.GDT 12/17/09

Remarks

- Ground surface elevation estimated in the field by GeoDesign using a hand level.
- Possibly pushing tree root at 6' deep during split spoon sampling.
- Cobbles estimated during solid stem auger advance between 6' and 7' deep.
- Split-spoon refusal on probable boulder at 13' deep. Cobbles/coarse Gravel inferred from drilling distances between 10' and 15' deep.
- Harder drilling resistance observed below 15' deep through denser soils. Solid stem auger advanced borehole to 20' deep. Attempted split spoon sample.

Notes

1 Stratification Lines Represent Approximate Boundary Between Material Types, Transitions May Be Gradual.  
 2 Water Level Readings Have Been Made At Times And Under Conditions Stated, Fluctuations Of Groundwater May Occur Due To Other Factors Than Those Present At The Time Measurements Were Made.  
 A.C. = After casing is set in place.  
 3 Sample Type: Casing - Inauger; C-Casing; D-Drill; O-Gravel; P-Platen Sampler; SS-Split Barrel; S-Spoon; S1-Shelby Tube; Geo-Geoprobe; V-Vane  
 WSP/Height of Rod/hammer  
 4 Proportions Used: Trace = 1:100; L/H = 1:100; S/S = 20:30; and = 35:50  
 5 Stratification lines represent approximate boundary between material types, transitions may be gradual.

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