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BORING LOG

Project Name

Route 125 Bridge
 RS 0174 (8)
 Middlebury, VT

Boring No.: A-1

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File No.: 750-04.1

Checked By: JEL

Boring Company: M & W Soils Engineering, Inc.
 Foreman: Myron Domingue
 GeoDesign Rep.: Jason Gaudette
 Date Started: June 24, 2003 Date Finished: June 24, 2003
 N. Coordinates: E. Coordinates:
 Ground Surface Elevation (feet): 510.7
 Station: 10+79.30 Offset: 32.5 ft RT

Casing:		Sampler:		Groundwater Observations			
Type	LD:	Type	LD:	Date	Depth (ft)	Elev. (ft)	Notes
FJ	3.0 in.	SS	1.38 in.	6/24/03, 11:45			None
Hammer Wt.:	300 lbs	Hammer Falt:	30 in.				
Rig Type:	B-47 Mobile Drill Track	Other:	BX-size Core Barrel				

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	8	0	5	6	5	6							
		S2	SS	16	14	2	9	12	25/4"								
5		S3	SS	1	1	4.2	25/1"										
		C1	C	66	46	6.5					14						
											19						
10											2						
											7						
											21						
											5						
											8						
		C2	C	12	10	11					16						
15																	
20																	
25																	
30																	

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

Remarks:

- Ground surface elevation measured in the field by GeoDesign using a hand level.
- Split spoon sampler refusal at 3.3' deep on possible cobble, boulder, or bedrock.
- Hard solid stem auger resistance observed between 3' and 4.2' depth through boulders estimated between 6" - 12" diameter. Boulder observed near surface (+/- 16" diameter).
- Solid stem auger refusal at 4.2' deep on possible boulder or bedrock. Used 3" L.D. casing with cutting shoe to advance hole to 6.5' deep. Began coring using BX core barrel.
- Light gray-brown wash water return observed during coring. No wash water return observed below 7.2' deep (estimated loss down hole at approximately 3-4 gpm).
- Observed lower resistance between 8.3' to 8.8' deep and 10.2' to 11' deep during coring through probable soil between boulders.

Notes:

- Stratification lines represent approximate boundary between material types, transitions may be gradual.
- 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.
- Sample Type: Casing: A-Augers; C-Cores; B-Drivers; O-Grate; PS-Platform Samplers; SS-Split Barrel; Sp-Spoon; ST-Shelby Tube; Geo-GeoProbe; V-Vane
- Wt./Blow of Rod/Hammer
- Proportion Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%
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