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BORING LOG

Project Name

Route 125 Bridge
 RS 0174 (8)
 Middlebury, VT

Boring No.: B-4B

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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: July 8, 2003 Date Finished: July 8, 2003
 N. Coordinates: E. Coordinates:
 Ground Surface Elevation (feet): 538.9
 Station: 14+62.60 Offset: 22 ft RT

Casing:		Sampler:		Groundwater Observations			
Type	LD	Type	LD	Date	Depth (ft)	Elev. (ft)	Notes
S.S.A	4.0 in.	N/A	In.	7/8/03, 15:45			None
Hammer Wt:	NA	Hammer Fall:	NA				
Rig Type:	B-47 Mobile Drill Track	Other:	108mm O.D. Flight Auger				

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
												Bituminous CONCRETE 538.5			
												Silty SAND and GRAVEL			
5		S1	SS	13	13	5.5	5	32	15/1.2"			Silty SAND and GRAVEL (with Cobbles and Boulders) 534.4		S1): Very dense / Refusal. Top 6": Gray fine SAND and Silt.	
												Bottom 7.2		Bottom 7": Brown, layered fine to medium SAND, little Silt, with roots and root fibers. Oxidized orange to dark red. Pieces of fractured gravel/cobbles in spoon tip.	
10												Bottom of Exploration at 7.2 ft 531.7			
15															
20															
25															
30															

Remarks:
 1) Ground surface elevation estimated in the field by GeoDesign using a hand level.
 2) 4.25" O.D. solid stem auger used to advance borehole. Harder resistance observed between 4.5' to 5' deep and 6' to 7.2' through possible cobbles and small boulders.
 3) Solid stem auger refusal at 7.2' on possible large boulder or bedrock.

Notes:
 1) Stratification lines represent approximate boundary between material types, transitions may be gradal.
 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 N.L. = Not Recorded.
 3) Sample Type: Casing-Augers-C-Cores; B-Drivers; O-Grate; PS-Platton Samplers; SS-Split; Borral (Split) Spoon; S1-Shelby Tube; Geo-Gad Probe; Y-Hone
 Wt./ft = Weight of Rod/Hammer
 4) Proportion Used Trace = 1-10%; L/H = 10-20%; Some = 20-35%; And = 35-50%.
 5) Stratification lines represent approximate boundary between material types, transitions may be gradal.

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