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BORING LOG

Project Name

Route 125 Bridge
RS 0174 (8)
Middlebury, VT

Boring No.: A-5
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. Coordinate: E. Coordinate:
Ground Surface Elevation (feet): 582.9
Station: 18+17.40 Offset: 16.5 ft LT

	Casing:	Sampler:
Type:	None	SS
I.D.:	N/A in.	1.38 in.
Hammer Wt.:	N/A	140 lbs
Hammer Fall:	N/A	30 in.
Rig Type:	B-47 Mobile Drill Track	
Other:		

Groundwater Observations

Date	Depth (ft)	Elev. (ft)	Notes
▼ 7/8/03, 14:30			None
▼			
▼			
▼			

Depth (ft)	Casing Blows/ft	Sample Number	Sample Type	Penetration (inches)	Recovery (inches)	Sample Depth (ft)	Blows / 6 inch interval 0 - 6	6 - 12	12 - 18	18 - 24	Coring Time (min./ft)	Moisture Content (%)	Strata Description Depth & Elevation(feet)	Symbol	Sample Description (Classification System: Burmister)
		S1	SS	24	10	0	1	2	WR	WR			SAND and GRAVEL FILL		S1): Loose, gray-brown, fine to coarse SAND, little Silt, trace Gravel with roots, dry.
		S2	SS	24	3	3	2	8	4	2					S2): Medium dense, similar to S1.
5		S3	SS	24	4	5	1	3	2	7					S3): Loose, similar to S1 except moist, with brick pieces. Piece of coarse Gravel stuck in spoon tip.
		S4	SS	24	3	7	5	3	3	4			9		S4): Loose, similar to S3 with piece of Gravel stuck in spoon tip.
10		S5	SS	24	5	9	6	4	5	5			Silty SAND and GRAVEL 573.9		S5): Loose. Top 4": Similar to S1. Bottom 1": Light orange-brown, fine SAND, some SILT, little Gravel, moist.
		S6	SS	24	4	11	6	5	9	13					S6): Medium dense, similar to bottom of S5.
		S7	SS	24	0	13	14	8	9	10					S7): Medium dense, no recovery.
15		S8	SS	24	12	15	10	25	23	26					S8): Dense, beige-brown, fine to medium SAND, little Gravel, trace Silt, piece of pulverized quartzite in center of spoon.
													18 GLACIAL TILL (with Cobbles) 564.9		
20		S9	SS	24	14	20	28	39	22	28					S9) Very dense, olive brown, similar to S8 except with little Silt.
													22 Bottom of Exploration at 22.0 ft 560.9		
25															
30															

Remarks:
1) Ground surface elevation estimated in the field by GeoDesign using a hand level.
2) Void noted during split spoon sampling between 1' to 3' deep, (i.e., split spoon sampler dropped).
3) Cobbles and boulders (estimated up to 8" diameter) inferred between 3' to 9' deep during solid stem auger advance.
4) Possibly pushing cobble during split spoon sampling between 13' to 14.5' deep
5) Harder drilling resistance observed below 13' deep. Very dense soils inferred between 15' to 20' deep containing coarse gravel and cobbles up to 6" diameter. Split spoon sample attempted at 20' deep.

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 caring; N/A = Not Recorded.
3) Sample Type Codes: A=Auger; C=Core; D=Driven; G=Grab; PS=Piston Samples; SS=Split Barrel/Split Spoon; ST=Shelby Tube; Geo-GeoProbe V=Vane; WOR/W=Weight of Rod/Hammer
4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%
5) Stratification lines represent approximate boundary between material types, transitions may be gradual.

Boring No.: A-5

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