



Geotechnical Engineers/Environmental Consultants/Construction Engineers
 P.O. Box 699 Windsor, VT 05089
 Phone: 802-674-2033/Fax: 802-674-5943

1233 Shelburne Rd., Suite 360
 So. Burlington, VT 05403
 Phone: 802-652-5140

BORING LOG

Project Name

Route 125 Bridge
 RS 0174 (8)
 Middlebury, VT

Boring No.: B-2

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: June 26, 2003 Date Finished: June 27, 2003
 N. Coordinates: E. Coordinates:
 Ground Surface Elevation (feet): 530
 Station: 13+34.15 Offset: 23.2 ft LT

Type	Casing		Sampler		Groundwater Observations			
	Flush	SS			Date	Depth (ft)	Elev. (ft)	Notes
LD:	4.0 in.	1.38 in.						
Hammer Wt:	140 lbs	140 lbs			6/27/03, 14:25			None
Hammer Fall	30 in.	30 in.						
Rig Type:	B-47 Mobile Drill Track							
Other:	NX/BX-size Core Barrels							

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	4	0	1	2	8	5							
		S2	SS	24	3	2	7	5	5	3							
5		S3	SS	24	4	4	11	9	7	6							
		S4	SS	24	6	6	29	14	6	5							
		S5	SS	24	10	8	9	7	27	6							
10		S6	SS	6	6	10	15	30/0"									
		C1	C	69	69	10.5					6						
											5						
15											10						
											3						
											12						
		C2	C	35	35	16.3					23						
											18						
											10						
											25						
20											42						
25																	
30																	

REMARKS: 750-03.10 (EDITED TO IMPERICAL).GPJ GEODESIGN STANDARD .GDT 12/17/09

1) Ground surface elevation estimated in the field by GeoDesign using a hand level.
 2) Observed increased drilling resistance through possible cobbles/small boulders between 5' and 8' deep during solid stem auger advance. Harder drilling resistance observed at 9.5' deep.
 3) Split spoon refusal at 10.6' deep on possible boulder or bedrock. Installed 4" I.D. casing to 10.3' and used 2.9" O.D. roller bit to flush borehole prior to coring.
 4) Penetrated probable Sand and Gravel below 10.8' deep using core barrel. Loose Sand and Gravel soils estimated between 12.7' to 13.8' deep. Probable boulder between 13.8' to 14.7' deep.
 5) No wash water return observed during coring. Water loss probably occurring below casing starting at 10.5' deep.
 6) Switched from NX-size to BX-size core barrel at 16.8' deep.
 7) Possible bedrock seam (~1.5" thick) encountered during coring at 17.5' to 17.7' 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 coring N.E. = Not Recorded.
 3) Sample Type: Casing-Augers-C-Cores-I-Drillers-O-Grate-P5-Platton Samplers-SS-Split Barrel-Split Spoon-SI-Shelby Tubes-Geo-Grab-Probe-Y-Holes
 Wt./ft = Weight of Rod/Hammer
 4) Proportion Used Trace = 1-10%; L/H = 10-20%; S = 20-35%; A = 35-50%.
 5) Stratification lines represent approximate boundary between material types, transitions may be gradual.

Boring No.: B-2