



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING LOG

RYEGATE
 IM CULV(28)
 Ryegate, VT

Boring No.: B-106

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Pin No.: 11A262

Checked By: K. Adnams

Boring Crew: M. Misiaszek, K. Owens
 Date Started: 3/06/13 Date Finished: 3/06/13
 VTSPG NAD83: N 618252.14 ft E 1752621.87 ft
 Station: _____ Offset: _____
 Ground Elevation: 565.5 ft

Type: _____
 I.D.: _____
 Hammer Wt: 300 lb.
 Hammer Fall: N.A.
 Hammer/Rod Type: Manual/NW
 Rig: CME 750 ATV Mounted CE = 1.0

Groundwater Observations

Date	Depth (ft)	Notes
03/06/13	6.0	During drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5	× × ×	A-4, Clayey SILT, trace organics, hard, brn, Moist, Rec. = 1.5 ft				13-18-20-27 (38)				
	× × ×	A-1-a, f.c. GRAVEL, Some f.c. Sand, trace clayey silt, compact, brn-gry, Moist, (FILL)								
	× × ×	A-1-a, Rec. = 1.0 ft, becomes gry-white, (FILL)				38-19-21-44 (40)				
	× × ×	A-1-a, f.c. SAND, Some f.c. Sand, little silt, compact, brn, Moist, (FILL)								
	× × ×	A-1-a, f.c. GRAVEL, trace clayey silt, compact, brn, Wet, Rec. = 0.2 ft, (FILL)				30-23-18-9 (41)				
	× × ×									
	× × ×									
	× × ×									
10		A-2-4, f.c. SAND, Some Silt, Some f.c. Gravel, medium compact, brn, Wet, Rec. = 1.1 ft, (GLACIAL TILL)				5-8-7-4 (15)	18.1	24.5	55.4	20.1
		A-2-4, f.c. SAND, Some f.c. Gravel, little silt, trace organics, very compact, brn, Wet, Rec. = 0.5 ft, (GLACIAL TILL)				7-8-45-33 (51)				
		A-2-4, f.c. SAND, little silt, little f.c. gravel, very compact, brn, Wet, Rec. = 0.5 ft, (GLACIAL TILL)				27-41-17-19 (58)				
		A-2-4, Casing and rollerbit refusal at 13'.								
15		13.0 ft - 18.0 ft, Gray, Schist, medium close fracture spacing. Hard, Slightly to moderately weathered, NXDC, excellent RQD	R-1	100 (100)	7					
		18.0 ft - 23.0 ft, Similar Rock. NXDC	R-2	100 (100)	6					
25		Hole stopped @ 23.0 ft								
		Remarks: Project performed under CHA project No. 25047.								

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor.
 3. 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.

BORING LOG 25047_RYEGATE_CULV LOGS.GPJ VERMONT AOT.GDT 5/6/13