



BORING LOG

RYEGATE
IM CULV(28)
Ryegate, VT

Boring No.: B-104
Page No.: 1 of 2
Pin No.: 11A262
Checked By: K. Adams

Boring Crew: W. Hoeckele, K. Owens
Date Started: 2/25/13 Date Finished: 2/26/13
VTSPG NAD83: N 618433.07 ft E 1752472.73 ft
Station: _____ Offset: _____
Ground Elevation: 590.5 ft

Casing Sampler
Type: WB SS
I.D.: 4 in 1.38 in
Hammer Wt: 300 lb. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Manual/NW
Rig: D50 TRACK CE = 1.0

Groundwater Observations
Date Depth Notes
02/25/13 18.0 During drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 0.3	×	Asphalt					
0.3 - 5.0	×	Not Sampled					
5.0 - 9.4	×	A-1-a, f.m.c. GRAVEL, Some f.c. Sand, trace silt, compact, gray, Moist, Rec. = 0.8 ft, (FILL) Turns brown at 4.7'	26-19-16-22 (35)	1.8	70.1	22.1	7.8
9.4 - 15.0	×	A-1-a, f.m.c. GRAVEL, little silt, little f.c. sand, very compact, brn, Moist, Rec. = 0.7 ft, (FILL) Turns gray at 9.4'	19-47-25-15 (70)				
15.0 - 19.2	×	A-1-a, f.m.c. GRAVEL, little f.c. sand, trace silt, compact, brn, Wet, Rec. = 0.4 ft, (FILL) Sample appears to be pulverized gravel and cobble fragments.	16-18-15-20 (33)				
19.2 - 20.5	×	A-1-a, Rec. = 0.4 ft, becomes medium compact, turns gray. (FILL) Brown sand in tip of sample.	12-13-12-6 (25)				
20.5 - 23.0	×	A-2-4, f.c. SAND, little silt, very compact, brn, Wet, Rec. = 0.4 ft, (FILL)	7-2-50/2 (R)				
23.0 - 24.0	×	Not Sampled, Drilling through probable boulder or cobble 19.2-20.5'.					
24.0 - 25.0	×	A-2-4, f.c. SAND, little f.c. gravel, little silt, medium compact, gry, Wet, Rec. = 0.4 ft, (FILL) Pulverized rock recovered in sample.	23-13-11 (24)	14.0	18.9	68.1	13.0
25.0 - 26.0	×	A-2-4, Rec. = 1.2 ft, becomes loose	7-5-5-11 (10)				
26.0 - 27.0	×	A-2-4, f.c. SAND, little f. gravel, trace silt, loose, brn, Moist					
27.0 - 28.0	×	A-2-4, f.c. SAND, Some Silt, little f. gravel, very compact, brn, Moist, Rec. = 0.4 ft, Coarse gravel in shoe of spoon.	12-31-47-78 (78)	12.3	15.6	63.8	20.6
28.0 - 33.5	---	A-4					
33.5 - 40.7	---	A-4, SILT, little f. sand, very compact, gry, Wet, Rec. = 0.5 ft	17-34-41-47				

Notes:
1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. If 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.



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0.0 - 33.5	---	A-1-b, Hard drilling 33-33.5'	(75)				
33.5 - 40.7	---	A-1-b, f.m.c. GRAVEL, little clayey silt, little f.c. sand, medium compact, gray, Wet, Rec. = 0.4 ft	7-5-6-9 (11)				
40.7 - 44.0	---	A-4					
44.0 - 40.7	---	A-4, SILT, Some f.m.c. Gravel, little f.c. sand, very compact, gray, Moist, Rec. = 0.7 ft, (GLACIAL TILL) Spoon bouncing at 40.6'.	46-45-53-50/1 (98)				
40.7 - 44.0	---	Not Sampled, Top of rock estimated from drilling conditions. Very hard drilling starting at 40.7', with small 3-4" zones of easier drilling. Easy drilling zones are likely weathered rock. Casing refusal at 41'.					
44.0 - 40.7	---	Top of Bedrock @ 40.7 ft					
44.0 - 45.0	---	Hole stopped @ 44.0 ft					
45.0 - 55.0	---	Remarks: Project performed under CHA project No. 25047.					

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