



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

BORING LOG

Hartford, VT

191 Bridge 43 N/S

Boring No.: B-215

Page No.: 1 of 1

Pin No.: s12a132

Checked By: ASP

Boring Crew: Drilex/Jason, MJR
 Date Started: 4/03/14 Date Finished: 4/03/14
 VTSPG NAD83: N 417493.25 ft E 1683150.25 ft
 Station: 149+92.68 Offset: -86.12
 Ground Elevation: 552.71 ft

Casing Sampler
 Type: Auger/WB SS
 I.D.: 4.5 in 2 in
 Hammer Wt: 300 lb. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto
 Rig: CME 50 CE = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
04/03/14	0.0	Due to water used 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 %
0.0 - 1.0		A-1-b, SaGrSi, Rec. = 1.0 ft, (FILL)				4-3-2-2 (5)	20.4	31.6	46.0	22.4
1.0 - 2.5		A-2-4, SaSiGr, (FILL)				5-7-10-10 (17)	13.5	22.8	45.6	31.6
2.5 - 5.0		A-4, SiSaGr, Rec. = 1.17 ft				12-27-39-25/1" (66)	11.2	20.2	33.9	45.9
5.0 - 10.0		A-4, SiSaGr, Rec. = 15.0 ft				19-27-42-30/2" (69)	11.4	12.5	37.4	50.1
10.0 - 12.5		Weathered bedrock								
12.5 - 17.0		12.0 ft - 17.0 ft, Grey-green ANDESITE, hard, 5° to 70° and 45° joint sets, smooth, fresh. Bottom 8" 45° fractures, mod. weathered, open-clay-silt filled at very bottom of last 45° joint. Foliation nearly vertical, mod. close, tight.	1	100 (85)	1.3 2.3 2.5 3 1.6					
17.0 - 17.5		Hole stopped @ 17.0 ft								
17.5 - 20.0										
20.0 - 22.5										
22.5 - 25.0										

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. CE is an estimated value.
3. Water level readings have been made at times and under conditions stated.
4. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.
5. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VAOT.

