



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

BORING LOG

Hartford, VT

191 Bridge 43 N/S

Boring No.: B-208

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Pin No.: s12a132

Checked By: ASP

Boring Crew: Drilex/Jason, MJR  
 Date Started: 4/02/14 Date Finished: 4/03/14  
 VTSPG NAD83: N 417615.23 ft E 1683383.96 ft  
 Station: 251+21.16 Offset: 41.48  
 Ground Elevation: 546.61 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 %
		Spin 4" casing to 12", start coring at 14"								
2.5		1.0 ft - 5.0 ft, Gray-green ANDESITE, hard, fresh, joints moderately close, rough, some smooth surfaces; foliation near vertical.	1	91 (89)	2.75 2.5 2.5 2					
5.0		5.0 ft - 9.0 ft, Similar as above, very slight weathering, near vertical foliation, joint set at 45°, hard, close, smooth.	2	93 (85)	2.5 2.75 2.5 2.75					
7.5		9.0 ft - 10.0 ft, Similar as above, 45° joint set.	3	100 (68)	3					
10.0		10.0 ft - 15.0 ft, Similar as above, severe vertical fracturing in upper 2 feet, moderately weathered, open to closed, vertical foliation with quartz filling.	4	100 (65)	2.3 3 3 3.3 5.2					
15.0		15.0 ft - 20.0 ft, Similar as above, hard, 45° joint set, open to closed, moderate to fresh weathering, vertical to near vertical foliation with quartz filling.	5	100 (66)	2.7 2.7 2.2 2.3 2.6					
17.5										
20.0										
22.5										
			Hole stopped @ 20.0 ft							

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.



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