



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

BORING LOG

HARTFORD
 IM 91-2(79)
 I-91 BR-43

Boring No.: **B-210**
 Page No.: 1 of 1
 Pin No.: 12A132
 Checked By: BLS

Boring Crew: DAIGNEAULT, NIETO, JUDKINS
 Date Started: 5/08/14 Date Finished: 5/12/14
 VTSPG NAD83: N 417672.63 ft E 1683317.78 ft
 Station: 152+00.73 Offset: 41.39
 Ground Elevation: 572.42 ft

Casing Type: WB
 Sampler Type: SS
 I.D.: 4 in 1.5 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto/AWJ
 Rig: CME 55 TRACK C_r = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
05/09/14	19.7	AM
05/12/14	19.3	While 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 %
0-5		A-1-b, SaGr, brn, Moist, Rec. = 1.1 ft, Lab Note: Wood & Roots were within sample.				3-2-4-4 (6)	5.3	47.9	44.4	7.7
5-10		Field Note:, NXDC, Cobbles				R@0.0" (R)				
10-15		Field Note:, NXDC, Boulder								
15-20		A-2-4, GrSiSa, gry, Moist, Rec. = 0.9 ft				5-4-3-4 (7)	14.5	22.3	44.5	33.2
20-25		Field Note:, NXDC								
25-30		A-2-4, SiSa, gry, Moist, Rec. = 1.2 ft				10-13-11-15 (24)	12.7	17.8	48.1	34.1
30-35		Field Note:, Roller Coned ahead and cleaned out casing.								
35-40		A-2-4, GrSiSa, gry, Moist, Rec. = 1.1 ft				10-9-10-10 (19)	12.1	21.8	51.5	26.7
40-45		Field Note:, Roller Coned ahead and cleaned out casing.								
45-50		A-4, SaGrSi, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.				R@6.0" (R)	10.3	32.0	29.4	38.6
50-55		Field Note:, Roller Coned ahead and cleaned out casing.								
55-60		Field Note:, No Recovery				R@0.0" (R)				
60-65		Field Note:, Mostly Broken Rock with a small layer of Weathered Rock								
65-70		32.6 ft - 36.6 ft, Dark-greenish-gray to medium-bluish-gray metamorphosed andesitic and basaltic Tuff, Moderately hard to soft, Unweathered, Poor rock, NXMDC, RMR = 41	1 (75)	100 (28)	2					
70-75		36.6 ft - 41.6 ft, Dark-greenish-gray to medium-bluish-gray metamorphosed andesitic and basaltic Tuff, Moderately hard to soft, Unweathered, Poor rock, NXMDC, RMR = 36	2 (75)	42 (0)	3					
75-80					7					
80-85					13					
85-90					26					
90-95					16					
95-100					9					
100-105					3					
105-110	Hole stopped @ 41.6 ft									
110-115	Remarks: Hole collapsed at 7.7 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. C is the hammer energy correction factor.
 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 HARTFORD IM 91-2(79).GPJ VERMONT AOT.GDT 5/30/14