



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-209

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Pin No.: 12A132

Checked By: BLS

Boring Crew: DAIGNEAULT, NIETO, JUDKINS
Date Started: 5/07/14 Date Finished: 5/08/14
VTSPG NAD83: N 417447.61 ft E 1683272.04 ft
Station: 149+67.32 Offset: 41.40
Ground Elevation: 573.65 ft

Type: _____
I.D.: _____
Hammer Wt: _____
Hammer Fall: _____
Hammer/Rod Type: _____
Rig: _____

Casing: WB Sampler: SS
4 in 1.5 in
N.A. 140 lb.
N.A. 30 in.
Auto/AWJ
CME 55 TRACK C_r = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
05/08/14	26.7	AM

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 %
		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft				1-2-4-6 (6)	5.1	43.1	47.9	9.0
5		Field Note:, Roller Coned ahead and cleaned out casing. A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				8-6-7-9 (13)	11.1	42.1	44.1	13.8
10		Field Note:, Roller Coned ahead and cleaned out casing. Visual Description:, GrSa with some Broken Rock, brn, Moist, Rec. = 0.3 ft, Rock stuck in sampler. Insufficient sample for testing.				8-12-16-19 (28)	7.9			
15		A-2-4, Sa, Lt/brn, Moist, Rec. = 1.5 ft				13-14-17-15 (31)	11.9	2.2	80.7	17.1
20		Field Note:, Roller Coned ahead and cleaned out casing. A-2-4, GrSiSa, brn, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample.				13-13-15-16 (28)	13.2	24.1	47.8	28.1
25		Field Note:, Roller Coned ahead and cleaned out casing. A-2-4, SiSa, brn, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample.				8-9-15-14 (24)	13.6	19.2	51.1	29.7
30		Field Note:, Roller Coned ahead and cleaned out casing. A-2-4, SiGrSa, brn, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.				24-22-22-14 (44)	12.4	37.1	39.5	23.4
35		35.0 ft - 40.0 ft, Dark-greenish-gray to medium-bluish-gray metamorphosed andesitic and basaltic Tuff, Moderately hard, Unweathered, Poor rock, NXMDC, Near vertical fracture from 36.25' to 39.2'. RMR = 36	1 (85)	84 (18)	6 7 6 5 6					
40		Hole stopped @ 40.0 ft								
45		Remarks: Hole collapsed at 27.1 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