



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-211**

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Pin No.: 12A132

Checked By: BLS

Boring Crew: DAIGNEAULT, NIETO, HOOK
Date Started: 5/05/14 Date Finished: 5/05/14
VTSPG NAD83: N 417452.80 ft E 1683180.69 ft
Station: 149+58.45 Offset: -49.66
Ground Elevation: 567.04 ft

Type: _____
I.D.: _____
Casing: WB Sampler: SS
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_c = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
05/05/14	8.1	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Groundwater Observations				
						Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-2-4, SiSa, brn, Moist, Rec. = 0.7 ft, Lab Note: Grass & Roots were within sample.				1-1-1-1 (2)	18.0	15.5	53.9	30.6
5		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft, Lab Note: Roots were within sample. Roller Coned, Cleaned out casing.				1-1-6-10 (7)	20.1	7.8	70.4	21.8
10		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.				10-9-9-14 (18)	14.5	15.4	58.8	25.8
15		Field Note:, Roller Coned ahead and cleaned out casing. A-4, SiSa, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				5-12-R@6.0" (R)	13.8	18.1	41.1	40.8
20		SaGr, blu-grn, Dry, Rec. = 0.2 ft, 16.3 ft - 16.5 ft, Lab Note: Mostly Broken Rock with sandy silt. Field Note:, Roller Coned ahead and cleaned out casing. A-4, GrSaSi, gry, MTW, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample.				25-42-R@3.5" (R)	11.3	25.3	26.8	47.9
25		Field Note:, Roller Coned ahead and cleaned out casing. A-4, GrSaSi, gry, MTW, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample.				17-36-31-R@3.5" (67)	12.9	20.5	35.2	44.3
30		Field Note:, Roller Coned ahead and cleaned out casing. A-4, SaSi, gry, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample.				26-44-R@3.5" (R)	11.5	18.3	32.5	49.2
35		Field Note:, Roller Coned ahead and cleaned out casing. A-4, SaSi, gry, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.				30-R@6.0" (R)	12.4	16.1	36.9	47.0
40		Field Note:, Roller Coned, Weathered Rock								
40		40.0 ft - 45.0 ft, Dark-greenish-gray to medium-bluish-gray metamorphosed andesitic and basaltic Tuff, Moderately hard, Unweathered, Poor rock, NXMDC, Vertical fractures in upper core run. RMR = 36	1 (85)	90 (7)	6 7 7 13 15	Top of Bedrock @ 40.0 ft				
45		Hole stopped @ 45.0 ft								
		Remarks: Hole collapsed at 38.2 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)_GP.J VERMONT AOT.GDT 5/30/14