



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-204**

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Pin No.: 12A132

Checked By: BLS

Boring Crew: JUDKINS, HOOK
 Date Started: 5/13/14 Date Finished: 5/15/14
 VTSPG NAD83: N 417621.84 ft E 1683300.91 ft
 Station: 151+46.59 Offset: 36.82
 Ground Elevation: 556.94 ft

Casing Sampler
 Type: WB 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_c = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
05/14/14	4.9	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 %
5		A-1-a, SaGr with roots & grass, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.					4.6	53.4	33.0	13.6
5		Field Note:, Roller coned and cleaned out casing. A-2-4, GrSa, brn, Moist, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample.				12-20-16-17 (36)	15.8	27.5	54.0	18.5
10		Field Note:, Roller coned and cleaned out casing. A-4, SaGrSi, gry, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.				21-28-R@2.5" (R)	10.5	30.0	26.4	43.6
15		11.8 ft - 14.0 ft, Dark-greenish-gray to medium-bluish-gray metamorphosed andesitic and basaltic Tuff, Moderately hard, Unweathered, Poor rock, NXDC, RMR = 36 14.0 ft - 19.0 ft, Dark-greenish-gray to medium-bluish-gray metamorphosed andesitic and basaltic Tuff, Moderately hard, Unweathered, Fair rock, NXMDC, RMR = 49	1 (70) 2 (70)	68 (0) 88 (72)	7 8 8 12 13					
20		Hole stopped @ 19.0 ft								
25		Remarks: Hole collapsed at 5.0 ft.								
30										
35										

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_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