



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**
Page No.: **1 of 1**
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 Type: **WB** Sampler: **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: **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.)	Cone Rec. % (RQD %)	Drill Rate minutes/ft	Blows/ft* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0 - 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 - 10		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 - 11.8		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
11.8 - 14.0		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	1 (70)	68 (0)						
14.0 - 19.0		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	2 (70)	88 (72)	7 8 8 12 13					
19.0 - 20		Hole stopped @ 19.0 ft								
20 - 25		Remarks: Hole collapsed at 5.0 ft.								
25 - 30										
30 - 35										
35 - 40										
40 - 45										
45 - 50										
50 - 55										
55 - 60										
60 - 65										
65 - 70										
70 - 75										
75 - 80										
80 - 85										
85 - 90										
90 - 95										
95 - 100										

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

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.

PROJECT NAME:	HARTFORD
PROJECT NUMBER:	IM 091-2(79)
FILE NAME:	s12a132bor_new.dgn
PROJECT LEADER:	K. HIGGINS
DESIGNED BY:	W. LAMMER
BORING LOGS	4
PLOT DATE:	15-DEC-2014
DRAWN BY:	W. LAMMER
CHECKED BY:	J. SALVATORI
SHEET	76 OF 166