



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-202**  
Page No.: **1 of 1**  
Pin No.: **12A132**  
Checked By: **BLS**

Boring Crew: **DAIGNEAULT, NIETO, HOOK**  
Date Started: **5/06/14** Date Finished: **5/07/14**  
VTSPG NAD83: **N 417502.25 ft E 1683282.33 ft**  
Station: **150+23.81** Offset: **42.49**  
Ground Elevation: **551.6 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: **05/07/14** Depth (ft): **5.1** Notes: **AM**

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/ft* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0-5		A-2-4, GrSiSa, bm, Moist, Rec. = 1.1 ft, Lab Note: Roots, grass, and Broken Rock were within sample.				WH-2-4-1 (6)	13.2	27.2	42.1	30.7
5-10		A-2-4, SiGrSa, bm, MTW, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.				11-14-18-28 (32)	13.2	33.0	37.5	29.5
10-15		A-4, SaSi, gry, MTW, Rec. = 1.5 ft				19-31-39-R@1.0" (70)	12.5	16.9	33.9	49.2
15-20		A-4, GrSaSi, gry, MTW, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.				12-30-45-R@1.0" (78)	11.5	25.0	28.2	46.8
20-25		Visual Description: Broken Rock with silty sand, gry, Moist, Rec. = 0.2 ft, Insufficient sample for testing.				R@2.5" (R)				
25-30		25.0 ft - 30.0 ft, Dark-greenish-gray to medium-bluish-gray metamorphosed andesitic and basaltic Tuff, Moderately hard, Moderately weathered, Poor rock, NXMDC, Staining along fractures. RMR = 36	1 (85)	36 (0)	3					
30-35		30.0 ft - 35.0 ft, Dark-greenish-gray to medium-bluish-gray metamorphosed andesitic and basaltic Tuff, Moderately hard, Moderately weathered, Poor rock, NXMDC, Staining along fractures near end of run. RMR = 41	2 (85)	100 (48)	5					
35-40		Hole stopped @ 35.0 ft								
40-45		Remarks: Hole collapsed at 7.0 ft.								

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** PLOT DATE: **15-DEC-2014**  
PROJECT LEADER: **K. HIGGINS** DRAWN BY: **W. LAMMER**  
DESIGNED BY: **W. LAMMER** CHECKED BY: **J. SALVATORI**  
BORING LOGS 2 SHEET **74** OF **166**