



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

HARTFORD-ROYALTON
IMG SIGN(48)
I-89 NB & SB

Boring No.: **B-101**

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Pin No.: 13A618

Checked By: MLM

Boring Crew: JUDKINS, HOOK, NIETO
Date Started: 5/06/15 Date Finished: 5/06/15
VTSPG NAD83: N 416138.97 ft E 1682335.61 ft
Station: MM 0.774 SB Offset: 5.00
Ground Elevation: 559.12 ft

Casing Type: WB
Sampler Type: SS
I.D.: 4 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C TRACK C_r = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
05/06/15	7.0	After 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, gry-brn, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample. Cleaned out with roller cone.				2-6-6-5 (12)	4.6	62.3	27.2	10.5	
		A-1-b, Sa, Lt/brn, Moist, Rec. = 1.4 ft, Cleaned out with roller cone.				10-12-9-8 (21)	11.6	18.5	66.8	14.7	
		A-1-b, GrSa, Lt/brn, Moist, Rec. = 1.0 ft, Cleaned out with roller cone.				6-10-7-6 (17)	9.7	28.4	59.4	12.2	
10		A-2-4, GrSiSa, brn, MTW, Rec. = 0.7 ft, Cleaned out with roller cone.				3-3-2-3 (5)	21.0	24.9	42.7	32.4	
		A-4, SaSi, brn, MTW, Rec. = 1.1 ft, Cleaned out with roller cone.				2-3-6-20 (9)	26.6	7.5	26.6	65.9	
15		11.0 ft - 16.0 ft, Light green & gray, Sub-Porphryitic Meta-Volcanics. Hard, Slightly weathered, Poor rock, NXMDC, RMR = 40, Brown staining on joints.	1 (-)	100 (38)	6	Top of Bedrock @ 11.0 ft					
					7						
					6						
					5						
20		16.0 ft - 21.0 ft, Light green & gray, Meta-Volcanics. Moderately hard, Slightly weathered, Poor rock, NXMDC, RMR = 36, Brown staining on joints.	2 (-)	90 (26)	5						
					6						
					5						
					5						
25		Hole stopped @ 21.0 ft									
		Remarks: 1. Hole collapsed at 10.0 ft. 2. Offset measured as the distance from the edge of pavement.									

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-ROYALTON IMG SIGN(48), GPJ VERMONT AOT, GDT 5/26/15