



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-105
Page No.: 1 of 1
Pin No.: 13A618
Checked By: MLM

Boring Crew: JUDKINS, HOOK, NIETO
Date Started: 5/07/15 Date Finished: 5/07/15
VTSPG NAD83: N 413844.63 ft E 1685333.61 ft
Station: MM 0.050 NB Offset: 10.00
Ground Elevation: 417.88 ft

Casing WB Sampler SS
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 45C TRACK C_r = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
		No water to depth.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, SaGr, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.	1-2-2-2 (4)	7.2	43.8	41.0	15.2
		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.	3-3-8-11 (11)	8.0	46.4	36.6	17.0
10		A-1-a, SaGr, brn-Lt/gry, Moist, Rec. = 1.1 ft, Lab Note: Lots of Broken Rock was within sample. NXDC, Cleaned out casing.	9-23-12-17 (35)	5.2	70.5	15.7	13.8
		Visual Description:, Broken Rock, gry, Moist, Rec. = 0.1 ft, NXDC, Cleaned out casing.	10-12-12-25 (24)				
15		Visual Description:, SiSa, Lt/brn, Moist, Rec. = 0.1 ft, Lab Note: Insufficient sample for testing. NXDC, Cleaned out casing.	17-28-R@2.5" (R)				
		Lab Note, Mostly Broken Rock, gry, Moist, Rec. = 0.7 ft, NXDC, Cleaned out casing.	8-13-7-14 (20)	2.8	80.0	17.2	2.8
20		Field Note:, NXDC, Cleaned out casing.					
		Visual Description:, Broken Rock with some sand, gry, Moist, Rec. = 0.1 ft, NXDC, Cleaned out casing.	15-30-12-13 (42)				
25		Field Note:, NXDC, Cleaned out casing.					
		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.	13-8-7-7 (15)	10.6	51.5	40.7	7.8
30		Field Note:, Cleaned out with roller cone					
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft	16-18-26-25 (44)	10.5	34.9	46.9	18.2
35		Field Note:, NXDC, Cleaned out casing.					
		Lab Note, Mostly Broken Rock, gry, Moist, Rec. = 0.7 ft	5-13-18-11 (31)	7.6	81.3	14.2	4.5
40		Field Note:, NXDC, Cleaned out casing.					
		Lab Note, Mostly Broken Rock with some sand, gry, Moist, Rec. = 0.3 ft	14-22-14-16 (36)	10.1	60.0	39.6	0.4
		Hole stopped @ 37.0 ft					
		Remarks: 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.