



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

BORING LOG

Bolton
IM 089-2(45)
I-89

Boring No.: **B-111**

Page No.: **1 of 1**

Pin No.: **13a090**

Checked By: **MLM**

Boring Crew: GARROW, JUDKINS, NIETO
 Date Started: 10/13/15 Date Finished: 10/13/15
 VTSPG NAD83: N 685774.53 ft E 1531467.39 ft
 Station: 129+4 Offset: -84.40
 Ground Elevation: 346.0 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
10/13/15	5.2	W.T. after drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-a, SaGr, Lt/gry-Lt/brn, Moist, Rec. = 1.7 ft, Lab Note: Broken Rock was within sample.	16-17-12-16 (29)	3.3	55.8	33.4	10.8
5		A-4, SaSi, Lt/brn, Moist, Rec. = 1.9 ft	13-13-12-12 (25)	7.7	13.9	42.7	43.4
		A-4, SaSi, Lt/brn-Lt/gry, Moist, Rec. = 1.9 ft	11-10-9-7 (19)	8.2	11.9	43.1	45.0
		A-4, SaSi, Lt/brn, Moist, Rec. = 0.9 ft	5-4-3-2 (7)	9.1	14.4	39.8	45.8
10		A-4, SaSi, Lt/brn, Moist, Rec. = 1.4 ft	3-3-2-3 (5)	16.4	6.8	25.1	68.1
		A-4, SaSi, Lt/brn, Moist, Rec. = 0.4 ft	4-4-4-5 (8)	10.4	12.4	43.5	44.1
15		Field Note:, No Recovery	7-6-5-5 (11)				
		A-4, SaSi, Lt/brn, Moist, Rec. = 0.9 ft	4-4-6-8 (10)	18.9	15.7	35.9	48.4
		A-2-4, GrSiSa, Lt/brn-orange, Moist, Rec. = 1.0 ft	9-7-7-5 (14)	11.3	26.3	46.4	27.3
20		A-2-4, SiGrSa, brn, Moist, Rec. = 0.8 ft	6-4-5-5 (9)	11.5	27.1	47.0	25.9
	Hole stopped @ 21.0 ft						
25	Remarks: Hole Collapsed at 9.3 feet.						

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_r 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.

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