



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

BORING LOG

Williston-Essex  
STP SGNL(46)  
VT 2A

Boring No.: **B-111**

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Pin No.: 15t017

Checked By: ZMH

Boring Crew: NIETO, GARROW, COLETTI  
Date Started: 5/18/16 Date Finished: 5/18/16  
VTSPG NAD83: N 733302.65 ft E 1489492.04 ft  
Station: 231+83.10 Offset: -40.60  
Ground Elevation: 508.8 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 55 TRACK CE = 1.41

Groundwater Observations		
Date	Depth (ft)	Notes
05/18/16	0.9	W.T. after drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-2-4, GrSa, brn, Moist, Rec. = 0.5 ft, Lab Note: A lot of grass and grass roots were within sample.	1-1-1-2 (2)	15.6	31.4	55.1	13.5
		A-4, SaSi, brn-gry, Moist, Rec. = 1.6 ft	1-3-4-6 (7)	16.1	16.9	38.1	45.0
		A-4, SaSi, brn-gry, Moist, Rec. = 1.7 ft	4-3-4-4 (7)	15.9	14.0	32.7	53.3
		A-4, SaSi, brn-Lt/gry, Moist, Rec. = 1.8 ft Field Note:, Rollercone, Cleaned out casing	5-9-10-20 (19)	13.0	18.7	29.6	51.7
10		A-4, SaSi, Lt/gry, Moist, Rec. = 0.8 ft, Lab Note: Broken rock was within sample. Sample tested non-plastic. Field Note:, Rollercone, Cleaned out casing	12-9-14-31 (23)	12.5	17.7	29.8	52.5
		A-4, GrSaSi, Lt/gry, Moist, Rec. = 1.8 ft, Lab Note: Broken rock was within sample.	16-20-28-30 (48)	10.1	27.6	34.1	38.3
15		Field Note:, Rollercone, Cleaned out casing					
		A-1-a, Gr, Lt/gry, Moist, Rec. = 0.9 ft, Lab Note: A lot of broken rock was within sample.	15-42-R@3.5" (R)	7.1	66.4	18.6	15.0
		Field Note:, Rollercone, Cleaned out casing					
20		A-1-b, SiSaGr, Lt/gry, Moist, Rec. = 1.5 ft, Lab Note: A lot of broken and weathered rock was within sample.	25-27-R@6" (R)	9.4	40.8	35.8	23.4
		Field Note:, Rollercone, Cleaned out casing					
25		A-1-b, GrSa, Lt/gry, Moist, Rec. = 0.9 ft, Lab Note: Sample consisted almost entirely of broken and weathered rock.	40-45-R@8" (R)	9.7	36.3	45.8	17.9
		Hole stopped @ 25.7 ft					
		Remarks: Hole collapsed at 18.2 feet					

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.  
 <<SUB>><<SUB>> 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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