



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

BORING LOG

Williston-Essex
 STP SGNL(46)
 VT 2A

Boring No.: B-107
 Page No.: 1 of 1
 Pin No.: 15t017
 Checked By: ZMH

Boring Crew: NIETO, JUDKINS, COLETTI
 Date Started: 5/13/16 Date Finished: 5/13/16
 VTSPG NAD83: N 732491.94 ft E 1487305.79 ft
 Station: 207+23.20 Offset: -39.90
 Ground Elevation: 499.7 ft

Casing: 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 CE = 1.41

Groundwater Observations		
Date	Depth (ft)	Notes
05/13/16	6.3	W.T. taken during

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-2-4, SiSa, brn, Moist, Rec. = 0.6 ft, Lab Note: A lot of grass and grass roots were within sample.				1-3-4-5 (7)	14.7	19.1	46.1	34.8
		Field Note:, Roller Cone, cleaned out casing				4-2-2-2 (4)				
10		A-4, GrSaSi, brn-gry, Moist, Rec. = 0.4 ft, Lab Note: Broken rock was within sample.				4-3-2-2 (5)	16.8	27.3	32.7	40.0
		A-2-4, SiSaGr, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken rock was within sample. Field Note:, Roller Cone, cleaned out casing				2-1-2-3 (3)	8.8	45.0	27.7	27.3
15		A-4, SaGrSi, brn, Moist, Rec. = 1.6 ft, Lab Note: Broken rock was within sample. Field Note:, Roller Cone, cleaned out casing				8-13-31-24 (44)	10.8	30.3	25.9	43.8
		A-4, SaSi, brn-gry, Moist, Rec. = 1.9 ft, Lab Note: Broken rock was within sample.				8-21-27-32 (48)	12.5	19.0	24.6	56.4
20		Field Note:, Roller Cone, cleaned out casing								
		A-1-b, SiSaGr, brn-gry, Moist, Rec. = 1.2 ft, Lab Note: Broken rock was within sample.				9-12-16-14 (28)	10.2	39.5	38.9	21.6
25		Field Note:, Roller Cone, cleaned out casing								
		A-1-a, SaGr, gry-brn, Moist, Rec. = 0.3 ft, Lab Note: A lot of broken rock was within sample.				3-11-R@4.5" (R)	7.1	60.2	25.1	14.7
30		22.3 ft - 27.3 ft, Pale green to gray, Phyllite, with rare quartz veins. Massive quartz vein at 22.3 ft to 22.5 ft. Slight brown and orange staining on joints. Low RQD could be due to mechanical breakage.. Moderately hard, Very slightly weathered, Poor rock, NXMDC, RMR=39	R-1 (45)	100	5					
					7					
					8					
					6					
					7					
		Hole stopped @ 27.3 ft								
		Remarks: Hole collapsed at 6.3 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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