



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

BORING LOG

Williston-Essex
STP SGNL(46)
VT 2A

Boring No.: B-103

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Pin No.: 15t017

Checked By: ZMH

Boring Crew: JUDKINS, GARROW
Date Started: 4/06/16 Date Finished: 4/07/16
VTSPG NAD83: N 731976.84 ft E 1486809.40 ft
Station: 200+16.30 Offset: 44.40
Ground Elevation: 497.6 ft

Type: WB Casing SS Sampler
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
04/07/16	12.3	W.T. before drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
0.0 - 0.55		Asphalt Pavement, 0.0 ft - 0.55 ft							
5		A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken rock was within sample.	6-6-5-5 (11)	5.5	63.3	28.6	8.1		
		A-3, GrSa, gry-brn, Moist, Rec. = 0.8 ft, Lab Note: Broken rock was within sample.	4-3-3-6 (6)	5.1	27.6	64.9	7.5		
		A-1-b, GrSa, gry-brn, Moist, Rec. = 1.7 ft, Lab Note: Broken rock was within sample. Field Note:, NXDC, Cleaned out casing	12-17-20-21 (37)	5.7	41.9	46.4	11.7		
10		A-1-b, SaGr, gry, Moist, Rec. = 1.0 ft, Lab Note: Broken rock was within sample. Field Note:, NXDC, Cleaned out casing. Cobbles and boulders	16-16-R@ (R)	10.3	46.9	35.3	17.8		
		A-1-a, SaGr, gry, Moist, Rec. = 1.0 ft	15-9-6-4 (15)	7.0	66.0	24.8	9.2		
		A-2-4, SiSa, blk, Moist, Rec. = 0.5 ft, Lab Note: A trace (6.33%) of organic material was within sample (AASHTO T-267).		32.4	14.9	52.5	32.6		
15		A-6, SiCl, gry, Moist, Rec. = 1.7 ft	6-7-11-15 (18)	23.6	16.2	27.3	56.5	34	13
		Field Note:, NXDC, Cleaned out casing							
20		A-1-b, SiSaGr, gry, Moist, Rec. = 0.4 ft, Lab Note: Broken rock and some clay was within sample. Insufficient sample size to perform Atterberg limit tests.	R@6" (R)	8.7	49.0	25.7	25.3		
		Field Note:, NXDC, Cleaned out casing							
25		A-1-a, SaGr, gry, Moist, Rec. = 0.2 ft, Lab Note: Broken rock and some clay was within sample. Insufficient sample size to perform Atterberg limit tests. Hole stopped @ 25.2 ft	R@2.5" (R)	10.6	56.3	32.5	11.2		

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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