



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

BORING LOG

Orange
 BF 026-1(45)
 US 302 Culvert 18

Boring No.: **B-104**

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Pin No.: 15b093

Checked By: ZMH

Boring Crew: Garrow, Emerson
 Date Started: 7/26/16 Date Finished: 7/27/16
 VTSPG NAD83: N 598430.43 ft E 1683232.23 ft
 Station: 16+35 Offset: -28.80
 Ground Elevation: 1519.0 ft

Type: 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 TRACKER

Groundwater Observations		
Date	Depth (ft)	Notes
07/27/16	6.9	W.T. before drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-2-4, SiSa, blk, Moist, Rec. = 0.2 ft, Lab Note: A lot of plant material was within sample.	2-3-3-6 (6)	28.5	7.9	70.7	21.4
		A-1-b, GrSa, blk, Moist, Rec. = 0.8 ft NXDC, Cleaned out casing, 2.8 ft - 4.0 ft	13-18-8-6 (26)	9.7	27.5	54.9	17.6
5		Field Note:, No Recovery, appears to be sand	7-8-7-7 (15)				
		A-1-b, SaGr, blk-white, Moist, Rec. = 0.4 ft, Lab Note: A lot of broken rock was within sample	32-R@2.5" (R)	10.7	47.4	41.1	11.5
		Field Note:, No Recovery, appears to be sand NXDC, Cleaned out casing, 9.1 ft - 10.0 ft	3-3-4-3 (7)				
10		A-1-b, SiSa, gry-brn, Moist, Rec. = 0.7 ft	4-3-5-5 (8)	18.0	17.3	60.4	22.3
		A-1-b, GrSa, gry, Moist, Rec. = 0.7 ft NXDC, Cleaned out casing, 13.3 ft - 14.0 ft	7-16-12-10 (28)	11.2	35.3	48.5	16.2
15		A-4, SiSa, gry, Moist, Rec. = 1.6 ft	6-4-4-6 (8)	11.8	12.9	48.5	38.6
20		A-2-4, GrSiSa, gry, Moist, Rec. = 0.4 ft	R@5" (R)	7.3	23.1	49.5	27.4
25		NXDC, Cleaned out casing, 24.2 ft - 25.0 ft A-2-4, SiSa, gry, Moist, Rec. = 1.1 ft	15-36-R@6" (R)	11.6	11.4	64.8	23.8
30		A-2-4, SiSa, gry, Moist, Rec. = 0.9 ft	12-24-R@3.5" (R)	7.4	16.7	54.8	28.5
		Hole stopped @ 31.3 ft					
35		Remarks: Hole Collapsed at 5.5 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.