



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

BORING LOG

South Burlington-Williston
 NH 2944(1)
 US2 Mast Arms

Boring No.: B-101

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Pin No.: 11d340

Checked By: MLM

Boring Crew: Whitlock, Garrow, Mazzei
 Date Started: 6/26/17 Date Finished: 6/27/17
 VTSPG NAD83: N 712249.38 ft E 1479268.79 ft
 Station: 55+41.8 Offset: -41.70
 Ground Elevation: 341.7 ft

Type: _____
 I.D.: _____
 Hammer Wt: _____
 Hammer Fall: _____
 Hammer/Rod Type: _____
 Rig: _____

Casing H.S.A. Sampler SS
3 in 1.5 in
N.A. 140 lb.
N.A. 30 in.
Auto/AWJ
Diedrich D25 CE = Unknown

Groundwater Observations

Date	Depth (ft)	Notes
06/27/17	5.5	Water Table

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
5		A-2-4, SiSa, brn, Moist, Rec. = 1.2 ft, Lab Note: A lot of plant roots were within sample	1-1-2-3 (3)	19.8	5.9	69.6	24.5		
		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft	3-1-1-1 (2)	19.1	14.5	61.5	24.0		
		A-1-a, SaGr, brn, Moist, Rec. = 0.45 ft	2-1-1-2 (2)	13.2	64.8	28.2	7.0		
10		A-2-4, GrSa, brn, Wet, Rec. = 1.8 ft, Lab Note: Broken rock was within sample	4-1-2-1 (3)	32.7	24.7	60.2	15.1		
		Field Note:, No Recovery	2-2-1-1 (3)						
15		A-2-4, SiSa, brn, Wet, Rec. = 1.35 ft, Lab Note: Pieces of broken pipe, red vinyl tape, wire sheathing, and some organics were within sample	2-6-4-6 (10)	49.8	6.1	59.1	34.8		
		Field Note:, Encountered flowing sand							
20		A-2-4, Sa, brn, Wet, Rec. = 1.3 ft, Lab Note: Sample had a sewer type odor. Some plant material was within sample	5-6-6-6 (12)	28.7	0.8	82.6	16.6		
		A-2-4, Sa, brn, Wet, Rec. = 1.8 ft	6-6-6-3 (12)	24.1		82.8	17.2		
25		A-6, SiCl, brn, Wet, Rec. = 2.0 ft	WH (WH)	37.3	0.3	6.6	93.1	35	15
Hole stopped @ 27.0 ft									
30		Remarks: Hole collapsed at 8.0 feet. 1. Cleaned sand out of auger 10 feet to 20 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.