



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-102**

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Pin No.: 11d340

Checked By: MLM

Boring Crew: Emerson, Garrow, Mazzei  
 Date Started: 6/28/17 Date Finished: 6/28/17  
 VTSPG NAD83: N 712173.56 ft E 1479253.85 ft  
 Station: 55+70.0 Offset: 29.10  
 Ground Elevation: 341.1 ft

Type: \_\_\_\_\_  
 I.D.: 3 in  
 Hammer Wt: N.A.  
 Hammer Fall: N.A.  
 Hammer/Rod Type: Auto/AWJ  
 Rig: Diedrich D25 CE = Unknown

Casing H.S.A. Sampler SS  
1.5 in  
140 lb.  
30 in.

Groundwater Observations		
Date	Depth (ft)	Notes
06/28/17	4.0	Water Table

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
0-0.8		A-4, SiSa, brn, Moist, Rec. = 0.8 ft	2-1-3-4 (4)	18.4	11.6	49.2	39.2		
0.8-1.1		A-1-b, SaGr, brn, Moist, Rec. = 0.3 ft	3-1-2-1 (3)	8.9	57.7	31.7	10.6		
1.1-1.5		A-2-4, SiSa, brn, Moist, Rec. = 1.5 ft	WH-2-2 (2)	28.3	3.3	68.8	27.9		
1.5-2.0		A-2-4, Sa, brn, Wet, Rec. = 2.0 ft	WH-1-1 (1)	28.2	9.4	71.6	19.0		
2.0-2.3		A-2-4, Sa, brn, Wet, Rec. = 0.3 ft	WH-1-1-1 (2)	35.3	6.7	75.9	17.4		
2.3-10.0		Field Note:, No Recovery	WH (WH)						
10.0-15.0		A-2-4, Sa, brn, Wet, Rec. = 2.0 ft, Lab Note: A small amount of plant material was within sample	2-1-1-2 (2)	27.4	4.0	80.0	16.0		
15.0-20.0		Field Note:, BXDC, Cleaned out casing							
20.0-21.8		A-3, Sa, gry, Wet, Rec. = 1.8 ft	2-5-4-2 (9)	23.8	2.0	88.0	10.0		
21.8-25.0		A-6, SiCl, gry, Wet, Rec. = 2.0 ft	WH-2-2 (2)	43.3	0.7	37.4	61.9	30	14
25.0-27.0		Hole stopped @ 27.0 ft							
27.0-30.0		Remarks: Hole collapsed at 5.8 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.