



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-104
 Page No.: 1 of 1
 Pin No.: 11d340
 Checked By: MLM

Boring Crew: Garrow, Mazzei
 Date Started: 6/27/17 Date Finished: 6/27/17
 VTSPG NAD83: N 712292.82 ft E 1479191.90 ft
 Station: 54+54 Offset: -27.90
 Ground Elevation: 342.2 ft

Type: H.S.A. SS
 I.D.: 3 in 1.5 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto/AWJ
 Rig: Diedrich D25 CE = Unknown

Groundwater Observations

Date	Depth (ft)	Notes
06/27/17	5.0	Water Table

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-2-4, SiSa, brn, Moist, Rec. = 0.8 ft	2-2-3-6 (5)	13.5	15.3	61.0	23.7
		A-4, SiSa, brn, Moist, Rec. = 1.6 ft	5-6-5-7 (11)	20.0	3.3	50.6	46.1
		A-4, SiSa, brn, Wet, Rec. = 0.8 ft	6-7-7-7 (14)	23.8	2.5	61.7	35.8
		A-2-4, Sa, brn, Moist, Rec. = 2.0 ft	5-6-7-6 (13)	20.5	1.3	81.3	17.4
10		A-3, Sa, brn, Wet, Rec. = 1.7 ft	6-2-2-4 (4)	21.4	2.2	89.7	8.1
		A-3, Sa, brn, Wet, Rec. = 1.3 ft	8-10-5-4 (15)	21.8	2.2	92.1	5.7
		A-2-4, Sa, brn, Wet, Rec. = 1.4 ft	2-2-5-6 (7)	24.7	2.7	79.1	18.2
15		Field Note:, Encountered Flowing Sand at 15.0 feet					
		A-4, SiSa, brn, Wet, Rec. = 2.0 ft	4-9-3-3 (12)	23.9	0.7	60.9	38.4
20		Field Note:, Cleaned out auger, sand					
		A-2-4, Sa, brn, Wet, Rec. = 0.7 ft	4-2-2-1 (4)	26.4	0.6	83.6	15.8
		Field Note:, Cleaned out auger, sand					
25		A-2-4, SiSa, gry, Wet, Rec. = 1.0 ft	8-5-3-3 (8)	22.4	0.1	72.5	27.4
Hole stopped @ 27.0 ft							
30		Remarks: Hole collapsed at 6.7 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.

BORING LOG 2 SOUTH BURLINGTON-WILLISTON NH2944(1).GPJ VERMONT AOT.GDI 7/12/17