



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-107**
 Page No.: 1 of 1
 Pin No.: 11d340
 Checked By: **MLM**

Boring Crew: Emerson, Garrow, Mazzei
 Date Started: 6/29/17 Date Finished: 6/29/17
 VTSPG NAD83: N 713195.91 ft E 1477633.56 ft
 Station: 36+54 Offset: 34.00
 Ground Elevation: 341.3 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
06/29/17		No W.T. Observed

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, Lab Note: A small amount of plant material was within sample	2-3-3-3 (6)	12.6	17.4	62.1	20.5
		A-2-4, SiSa, brn, Moist, Rec. = 1.4 ft	2-2-3-2 (5)	10.8	3.0	74.2	22.8
		A-2-4, Sa, brn, Moist, Rec. = 1.6 ft	8-6-7-13 (13)	9.2	5.8	77.2	17.0
		A-2-4, Sa, brn, Moist, Rec. = 1.7 ft	3-6-8-9 (14)	20.4	2.4	86.8	10.8
		A-2-4, Sa, brn-gry, Moist, Rec. = 2.0 ft	6-6-8-8 (14)	20.8	1.6	85.5	12.9
10		A-2-4, Sa, brn-gry, Moist, Rec. = 2.0 ft	5-5-1-8 (6)	18.7	2.0	86.3	11.7
15		A-2-4, Sa, brn, Wet, Rec. = 1.6 ft, Lab Note: A small amount of plant material was within sample	7-5-3-6 (8)	25.4	9.2	73.1	17.7
		Field Note:, NXDC, Cleaned out casing					
		A-2-4, Sa, brn, Wet, Rec. = 1.4 ft, Lab Note: A small amount of plant material was within sample	2-3-4-4 (7)	25.5	2.3	78.1	19.6
20		Field Note:, NXDC, Cleaned out casing					
		A-2-4, Sa, brn, Wet, Rec. = 1.4 ft, Lab Note: A small amount of plant material was within sample	2-3-4-4 (7)	25.5	2.3	78.1	19.6
25		Field Note:, NXDC, Cleaned out casing					
		A-3, Sa, brn, Wet, Rec. = 1.35 ft	3-2-1-2 (3)	27.6	0.1	91.9	8.0
Hole stopped @ 27.0 ft							
30		Remarks: Hole collapsed at 4.4 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