



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-106**

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Pin No.: 11d340

Checked By: MLM

Boring Crew: Emerson, Garrow, Mazzei
 Date Started: 6/29/17 Date Finished: 6/29/17
 VTSPG NAD83: N 713249.33 ft E 1477660.02 ft
 Station: 36+48 Offset: -27.80
 Ground Elevation: 343.2 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
06/29/17	20.0	Possible W.T. depth

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-2-4, GrSa, brn, Moist, Rec. = 0.6 ft, Lab Note: A small amount of asphalt pavement was within sample	3-2-2-1 (4)	11.0	26.1	58.6	15.3
		Field Note:, Asphalt pavement 1.5" thick					
		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft, Lab Note: A small amount of asphalt pavement and decomposing plant material was within sample	8-6-6-5 (12)	14.4	35.0	51.6	13.4
5		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft	8-5-4-3 (9)	15.6	4.5	66.9	28.6
		A-3, Sa, brn, Moist, Rec. = 1.7 ft	9-4-4-8 (8)	6.9	5.7	83.8	10.5
		A-2-4, Sa, brn, Moist, Rec. = 1.2 ft	6-7-7-7 (14)	15.9	16.1	69.3	14.6
10		A-2-4, Sa, brn, Moist, Rec. = 1.7 ft, Lab Note: A small amount of decomposing plant material was within sample	5-4-4-5 (8)	19.9	5.7	82.2	12.1
		Field Note:, NXDC, cleaned out casing, flowing sand					
15		A-3, Sa, brn, Moist, Rec. = 1.0 ft	3-4-2-2 (6)	24.2	5.0	87.6	7.4
		Field Note:, NXDC, cleaned out casing, flowing sand					
20		A-3, Sa, brn, Wet, Rec. = 1.1 ft, Lab Note: Decomposing wood was within sample	2-1-3-4 (4)	26.1	1.3	91.2	7.5
		Field Note:, NXDC, cleaned out casing, flowing sand					
25		A-2-4, SiSa, brn, Wet, Rec. = 1.4 ft, Lab Note: Decomposing wood was within sample	WH (WH)	27.8	0.1	76.8	23.1
		Hole stopped @ 27.0 ft					
30		Remarks: Hole collapsed 7.2 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.