



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-103
Page No.: 1 of 1
Pin No.: 11d340
Checked By: MLM

Boring Crew: Emerson, Garrow, Mazzei
Date Started: 6/27/17 Date Finished: 6/28/17
VTSPG NAD83: N 712199.04 ft E 1479158.83 ft
Station: 54+75 Offset: 69.90
Ground Elevation: 341.7 ft

Type: H.S.A. Sampler 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
06/28/17	3.4	Water Table

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-2-4, SiGrSa, brn, Moist, Rec. = 0.95 ft	2-2-4-6 (6)	14.1	24.6	51.5	23.9
		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft	5-6-5-3 (11)	17.4	18.7	60.9	20.4
		A-2-4, Sa, brn, Moist, Rec. = 1.8 ft	3-6-7-8 (13)	21.2	7.9	73.6	18.5
		A-2-4, Sa, brn, Moist, Rec. = 2.0 ft	5-6-6-8 (12)	19.5	1.2	87.7	11.1
10		A-2-4, SiSa, brn, Moist, Rec. = 2.0 ft Field Note:, BXDC, Cleaned out casing, flowing sand	3-5-7-7 (12)	20.7	1.9	76.2	21.9
		A-3, Sa, brn, Wet, Rec. = 0.95 ft Field Note:, BXDC, Cleaned out casing, flowing sand	3-4-4-5 (8)	22.6	3.7	89.6	6.7
15		A-2-4, Sa, brn, Wet, Rec. = 1.5 ft	5-4-4-5 (8)	25.9	3.1	77.1	19.8
		Field Note:, BXDC, Cleaned out casing, flowing sand					
		A-2-4, SiSa, brn, Wet, Rec. = 1.4 ft Field Note:, BXDC, Cleaned out casing, flowing sand	1-2-2-1 (4)	26.7	0.2	76.2	23.6
25		A-3, Sa, brn, Wet, Rec. = 1.1 ft	4-3-2-4 (5)	23.7		95.5	4.5
Hole stopped @ 27.0 ft							
30		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.

BORING LOG 2 SOUTH BURLINGTON-WILLISTON NH 2944(1) 3 VERMONT AGENCY OF TRANSPORTATION 6/28/17