



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING LOG

Culvert No. 63 N&S and 64 N&S
 South Burlington, VT
 IM CULV (24)

Boring No.: B-1
 Page No.: 1 of 1
 Pin No.: 11a216
 Checked By: ASP

Boring Crew: Drilex/Terracon (CR)
 Date Started: 1/29/14 Date Finished: 1/29/14
 VTSPG NAD83: N 710018.79 ft E 1471211.55 ft
 Station: 1943+61.94 Offset: 53.09RT
 Ground Elevation: 333.0 ft

Casing Sampler
 Type: HSA SS
 I.D.: 4.25 in 2 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. N.A.
 Hammer/Rod Type: Auto
 Rig: CME 55 ATV CE = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
01/29/14	2.0	While sampling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 1.2		4-inches topsoil, Rec. = 1.2 ft	17-4-5-47 (9)	48.6	5.8	26.5	67.7
1.2 - 2.5		A-4, SiSaGr, with wood and roots					
2.5 - 3.2		A-6, SiGrSa, Rec. = 0.4 ft	4-5-5-6 (10)	22.1	28.6	22.8	48.6
3.2 - 4.0		No recovery, Rec. = 0.0 ft	1-1-1-2 (2)				
4.0 - 5.0							
5.0 - 6.0		A-6, Si, Rec. = 1.0 ft	2-2-2-2 (4)	39.3		2.7	97.3
6.0 - 7.5							
7.5 - 10.0		A-1-b, GrSiSa, Rec. = 1.2 ft	3-17-3-3 (20)	7.7	52.6	23.3	24.1
10.0 - 12.5		A-4, SiSaGr, Rec. = 0.8 ft	7-8-10-7 (18)	11.2	20.5	34.4	45.1
12.5 - 15.0		A-1-b, SaGrSi, Rec. = 0.8 ft	4-4-6-8 (10)	7.9	39.6	41.8	18.6
15.0 - 17.5		A-2-4, SaGrSi, Rec. = 1.0 ft	6-8-7-11 (15)	15.0	28.7	44.8	26.5
17.5 - 20.0		A-2-4, SaGrSi, Rec. = 1.5 ft	12-12-13-15 (25)	9.6	33.1	38.6	28.3
20.0 - 22.5		Hole stopped @ 20.0 ft					

Notes:
 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor. CE is an estimated value.
 3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.
 4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VAOT.

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