



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-2

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Pin No.: 11a216

Checked By: ASP

Boring Crew: Drilex/Terracon (CR)
Date Started: 1/29/14 Date Finished: 1/29/14
VTSPG NAD83: N 709922.44 ft E 1471155.75 ft
Station: 1943+93.09 Offset: 53.82LT
Ground Elevation: 331.0 ft

Casing: HSA
Sampler: SS
Type: HSA
I.D.: 4.25 in
Hammer Wt: N.A.
Hammer Fall: 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 - 1.0		4-inches topsoil, Rec. = 1.0 ft A-4, SiSaGr	17-8-3-4 (11)	30.4	9.5	36.6	53.9
1.0 - 1.6		A-4, SiSa, Rec. = 0.6 ft	6-6-7-6 (13)	35.3	2.7	21.0	76.3
1.6 - 2.3		A-4, SiSa, Rec. = 0.7 ft, (See Lab note)	2-2-2-3 (4)	38.0			
2.3 - 4.1		A-7-6, CL, Rec. = 1.8 ft	5-5-5-5 (10)	38.5	2.6	2.5	94.9
4.1 - 5.1		A-7-6, CL, Rec. = 1.0 ft, (See Lab note)	3-2-3-3 (5)	42.8			
5.1 - 6.3		A-7-6, CH, Rec. = 1.2 ft	woh/18" 2 (0)	51.6		0.6	99.4
6.3 - 7.8		A-7-6, CH, Rec. = 1.5 ft, (See Lab note)	1-1-1-1 (2)	48.7			
7.8 - 9.1		A-7-6, CL, Rec. = 1.3 ft	woh/12" 1-2 (1)	49.4		0.9	99.1
9.1 - 10.4		A-7-6, CL, Rec. = 1.3 ft, (See Lab note)	woh/12" 1-1 (1)	52.5			
10.4 - 18.0		Hole stopped @ 18.0 ft					
18.0 - 20.0							
20.0 - 22.5							

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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