



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-6

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Pin No.: 11a216

Checked By: ASP

Boring Crew: Drilex/Terracon (TT)  
 Date Started: 1/30/14 Date Finished: 1/30/14  
 VTSPG NAD83: N 711286.01 ft E 1465881.41 ft  
 Station: 1998+85.18 Offset: 47.27LT  
 Ground Elevation: 309.0 ft

Casing: HSA Sampler: 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
01/30/14		None Encountered

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
0.0 - 0.7		4-inches topsoil, Rec. = 0.7 ft A-4, SiSa, with wood and roots	3-3-3-3 (6)	28.3	3.0	25.4	71.6	
0.7 - 2.5		A-4, Si, Rec. = 1.8 ft, (See Lab note)	3-3-3-4 (6)	23.7				
2.5 - 5.0		A-4, Si, Rec. = 1.5 ft	4-4-5-7 (9)	27.4	0.4	2.7	96.9	
5.0 - 7.5		A-4, Si, Rec. = 1.3 ft, (See Lab note)	8-5-5-5 (10)	28.7				
7.5 - 10.0		A-4, Si, Rec. = 1.6 ft, (See Lab note)	woh-woh-2-3	29.2				
10.0 - 12.5		A-4, Si, Rec. = 1.0 ft	woh-woh-2	26.5		3.2	96.8	
12.5 - 15.0		A-4, Si, Rec. = 2.0 ft, (See Lab note)	woh-2-3-2 (5)	32.8				
15.0 - 17.5		A-4, Si, Rec. = 1.7 ft	woh-woh-1-1	30.5		0.7	99.3	
17.5 - 20.0		A-4, Si, Rec. = 1.8 ft, (See Lab note)	1-1-3-3 (4)	29.2				
20.0 - 22.5		A-4, Si, Rec. = 1.7 ft	2-2-3-3 (5)	28.7		0.6	99.4	
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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