



BORING LOG

WINHALL
STP CULV (31)
Bridge 47

Boring No.: B-201
Page No.: 1 of 2
Pin No.: 11b268
Checked By: J. MacGregor

Boring Crew: J. Leonhardt, K. Owens
Date Started: 9/20/12 Date Finished: 9/20/12
VTSPG NAD83: N 249779.94 ft E 1524692.89 ft
Station: Offset: 10.8N
Ground Elevation: 1638.0 ft

Casing Sampler
Type: WASH BORE SS
I.D.: 4 in 1.38 in
Hammer Wt: 140 lb. 140 lb.
Hammer Fall: 30 in. 30 in.
Hammer/Rod Type: Auto/NW
Rig: CME 75 ATV Mounted CE = 1.4

Groundwater Observations		
Date	Depth (ft)	Notes
09/20/12	14.0	

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blogs/s (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 1.0		Augered through asphalt pavement.					
1.0 - 2.5	x x x	A-2-4, f.m.c. SAND, Some Silt, Some f.c. Gravel, medium compact, brown, Moist, Rec. = 1.1 ft, Fill	13-15-14-16 (29)	6.8	31.1	43.3	25.6
2.5 - 5.0	x x x	A-2-4, f.m.c. SAND, Some Silt, little f.c. gravel, compact, brown, MTW, Rec. = 0.8 ft, Fill	13-16-15-15 (31)				
5.0 - 10.0	x x x	A-2-4, becomes medium compact, Rec. = 1.0 ft, Fill	11-13-10-22 (23)				
10.0 - 15.0	x x x	A-2-4, f.m.c. SAND, little silt, little f. gravel, loose, brown, Wet, Rec. = 0.2 ft, Fill	4-3-2-2 (5)				
15.0 - 17.5	x x x	A-2-4, becomes very loose, Rec. = 0.3 ft, Fill	2-1-2-4 (3)				
17.5 - 20.0	x x x	A-2-4, becomes very compact, Rec. = 0.5 ft, Fill	17-20-51-17 (71)				
20.0 - 22.5		A-2-4, f.m.c. Sand, Some clayey Silt, Some f.c. Gravel, very compact, brown, Moist, Rec. = 1.6 ft, Glacial Till, Zones of weathered gravel fragments in sample.	20-23-27-40 (50)	12.8	26.9	41.5	31.6
22.5 - 30.0		A-2-4, Similar Soil, Rec. = 1.8 ft, Zones of weathered gravel/cobble/boulder fragments in bottom 2' of sample.	30-33-32-58				

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.
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.



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0.0 - 27.5		A-2-4, Similar Soil, Rec. = 1.7 ft	65				
27.5 - 30.0		A-2-4, Similar Soil, Rec. = 1.6 ft	30-52-47-55 (99)				
30.0 - 35.0		A-2-4, Similar Soil, Rec. = 1.8 ft	25-40-51-42 (91)				
35.0 - 40.0		A-2-4, Similar Soil, Rec. = 1.8 ft	23-34-44-57 (78)				
40.0 - 41.0		Hole stopped @ 41.0 ft					
41.0 - 42.5		Remarks: Groundwater observations made during drilling may not represent static conditions. Difficult rollerbit from 12'-13'.					
42.5 - 45.0		Very difficult drilling 20' to boring completion.					
45.0 - 47.5							

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2010 COPY BRIDGE 47 LOSS.GPJ VERMONT AOT.GOT 4/20/13

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