



BORING LOG

CAVENDISH
BO 1442(38)
TH-1 BR-58

Boring No.: **B-101**
Page No.: 1 of 2
Pin No.: 13J302
Checked By: MLM

Boring Crew: DAIGNEAULT, JUDKINS, HOOK
Date Started: 7/21/14 Date Finished: 7/23/14
VTSPG NAD83: N 321088.86 ft E 1604273.38 ft
Station: 43+11 Offset: 12.30
Ground Elevation: 931.4 ft

Casing Sampler
Type: WB SS
I.D.: 4 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rlg: CME 55 TRACK C_c = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
07/22/14	12.4	Before drilling.
07/23/14	13.4	After drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate (min/feet)	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0		Asphalt Pavement, 0.0 ft - 0.64 ft A-1-a, SaGr, brn-gry, Moist, Rec. = 0.25 ft, Lab Note: Broken Rock was within sample.				R@3.5" (R)	11.2	63.3	27.7	9.0
5		Field Note: NXDC, Cleaned out casing. A-1-b, GrSa, brn-gry, Moist, Rec. = 0.25 ft, Lab Note: Broken Rock was within sample. Field Note: NXDC, Cleaned out casing.				R@5.0" (R)	12.6	33.5	50.6	15.9
10		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample. Field Note: NXDC, Cleaned out casing.				6-4-5-4 (9)	13.6	38.7	48.3	13.0
15		Field Note: NXDC, Cleaned out casing. Field Note: No Recovery. Appears to be silty sand., Rock plugged end of sampler.				5-2-1-2 (3)				
20		Field Note: Cleaned out with Roller cone A-2-4, Sa, brn, MTW, Rec. = 0.5 ft				1-1-1-3 (2)	28.6	2.0	85.1	12.9
25		Field Note: Cleaned out with Roller cone A-4, SiSa, brn, Molst, Rec. = 0.8 ft				2-2-3-3 (5)	30.4	0.2	62.5	37.3
30		Field Note: Cleaned out with Roller cone A-2-4, Sa, brn, Molst, Rec. = 0.8 ft				2-3-3-4 (6)	26.9	0.1	82.8	17.1
40		SiSa, brn, Moist, Rec. = 1.0 ft, 40.0 ft - 42.0 ft				2-3-3-4 (6)	30.6		53.9	46.1
50		Field Note: Cleaned out with Roller cone Field Note: No Recovery. Appears to be sand.				1-3-3-5 (6)				
60		Field Note: Cleaned out with Roller cone A-2-4, SiSa, brn, Molst, Rec. = 0.6 ft				5-7-8-8 (15)	28.3	0.6	73.5	25.9

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy, C 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.



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0		A-2-4, Sa, brn, Moist, Rec. = 1.7 ft				7-8-11-12 (19)	23.0	5.5	75.4	19.1
10		Field Note: Cleaned out with Roller cone A-2-4, SiSa, brn, Moist, Rec. = 0.8 ft				6-7-8-7 (15)	27.9		76.5	23.5
20		Field Note: Cleaned out with Roller cone A-2-4, Sa, brn, Moist, Rec. = 0.7 ft A-2-4, SiSa, gry-brn, Molst, Rec. = 0.6 ft				16-32-20-23 (52)	22.0	2.8	78.7	18.5
30		Field Note: Cleaned out with Roller cone A-2-4, SiSa, brn, Molst, Rec. = 0.2 ft				6-10-15-16 (25)	20.9	15.2	64.7	20.1
40		A-2-4, Sa, brn, Moist, Rec. = 0.4 ft				R@5.0" (R)	23.6	7.3	73.1	19.6
50		Field Note: BXDC, Cleaned out casing.								
60		120.0 ft - 124.0 ft, Dark green, Amphibolite, Hard, Unweathered, Good rock, BX, RMR=72	1 (55)	70 (58)	9					Top of Bedrock @ 120.0 ft
65		124.0 ft - 129.0 ft, Dark green, Amphibolite, and light-gray to white, gneissic hornblende-biotite tonalite. Closely spaced horizontal jointing. Hard, Unweathered, Fair rock, BX, RMR=52	2 (55)	80 (8)	3					
70			3		3					
75			4		3					
80			3		3					
85			4		3					
90			3		4					
95			4		3					
100			3		4					
105			4		3					
110			3		4					
115			4		3					
120			3		4					
125			4		3					
130		Hole stopped @ 129.0 ft								
135		Remarks: Hole collapsed at 33.6 ft.								

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BORING LOG 2 CAVENDISH BO 1442(38) GPJ VERMONT AOT.GDT 8/5/14

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