



BORING LOG

CHELSEA
BHF 0169(10)
VT-110 BR-11

Boring No.: **B-101**
Page No.: **1 of 2**
Pin No.: **12C152**
Checked By: **CCB**

Boring Crew: **JUDKINS, HOOK, NIETO**
Date Started: **4/15/15** Date Finished: **4/16/15**
VTSPG NAD83: **N 544598.25 ft E 1654349.60 ft**
Station: **175+78.0** Offset: **-5.60**
Ground Elevation: **833.2 ft**

Casing Sampler
Type: **WB SS**
I.D.: **5 in 1.5 in**
Hammer Wt: **N.A. 140 lb.**
Hammer Fall: **N.A. 30 in.**
Hammer/Rod Type: **Auto/AWJ**
Rig: **CME 55 TRACK C = 1.46**

Groundwater Observations		
Date	Depth (ft)	Notes
04/15/15	9.1	End of day.
04/16/15	9.8	Before drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate (min/feet)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0		Asphalt Pavement, 0.0 ft - 0.92 ft								
2.5		A-1-b, GrSa, brn, Moist, Rec. = 1.4 ft				10-10-8-7 (18)	9.8	26.9	59.9	13.2
		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample. Cleaned out with roller cone.				10-7-7-8 (14)	12.5	45.5	44.9	9.6
5.0		A-2-4, GrSa, brn, Moist, Rec. = 0.5 ft, Cleaned out with roller cone.				8-7-9-9 (16)	13.4	25.2	58.4	16.4
7.5		Field Note: No Recovery				R@2.5" (R)				
		Field Note: NXDC, Boulder								
10.0		A-1-b, GrSa, brn-Lt/brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample. Cleaned out with NXDC.				47-39-R@6.0" (R)	18.6	38.1	47.9	14.0
		Lab Note, Mostly Broken Rock, Lt/brn, Moist, Rec. = 0.3 ft				R@3.5" (R)	10.2	64.3	28.1	7.6
12.5		Field Note: Drilled a 4 inch diameter Concrete Core								
		A-1-a, SaGr, brn-Lt/gy, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample. Cleaned out with NXDC.				2-35-31-31 (66)	10.1	60.3	32.3	7.4
15.0		A-1-b, SaGr, gry-Lt/brn, Moist, Rec. = 0.3 ft, Lab Note: Lots of Broken Rock was within sample. Cleaned out with NXDC.				30-R@5.0" (R)	11.1	45.7	36.1	18.2
17.5		Lab Note, Mostly Broken Rock, gry, Moist, Rec. = 0.2 ft, Cleaned out with NXDC.				R@2.5" (R)	9.2	56.3	31.6	12.1
20.0		A-1-b, SaGr, gry-brn, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample. Cleaned out with NXDC.				9-13-9-11 (22)	10.7	48.4	38.0	13.6
		A-1-b, SiGrSa, brn, Moist, Rec. = 0.7 ft				12-14-14-26 (28)	13.6	27.4	50.6	22.0
22.5		A-2-4, SiSa, brn, Moist, Rec. = 0.7 ft, Cleaned out with NXDC.				14-19-22-R@3.5" (41)	16.2	15.0	54.9	30.1

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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27.5		Field Note: NXDC, Boulder								
30.0		A-1-b, GrSa, gry-Lt/brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample. Cleaned out with NXDC.				8-25-R@5.0" (R)	13.8	33.8	47.0	19.2
		Lab Note, Broken Rock, gry, Moist, Rec. = 0.1 ft				R@1.0"				
32.5		31.1 ft - 36.1 ft, Dark gray, Phyllitic mica Schist, with some Quartz veins. Hard, Unweathered, Good rock, NXMDC, Gray Meta-Limestone begins at 0.8 ft. Grades into layered Meta-Limestone and Quartz veins at 3.8 feet. RMR = 71	1 (50)	100 (77)	4					
		Top of Bedrock @ 31.1 ft								
35.0										
37.5		36.1 ft - 41.1 ft, Alternating gray meta-limestone and dark gray phyllitic mica-Schist, with some orange/brown staining on joints. Hard, Very slightly weathered, Good rock, NXMDC, RMR = 74	2 (50)	100 (92)	3					
40.0										
42.5		Hole stopped @ 41.1 ft								

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BORING LOG 2 CHELSEA BHF 0169(10).GPJ VERMONT AOT.GDT 5/20/15

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