



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

CHELSEA
BHF 0169(9)
VT-110 BR-9

Boring No.: **B-101**
Page No.: **1 of 1**
Pin No.: **12C150**
Checked By: **MLM**

Boring Crew: JUDKINS, HOOK, NIETO
Date Started: 4/17/15 Date Finished: 4/27/15
VTSPG NAD83: N 541594.15 ft E 1654056.56 ft
Station: 145+37.5 Offset: -7.00
Ground Elevation: 811.5 ft

Casing Type: WB Sampler: 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_r = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
04/27/15	9.3	Before drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 1.67		Asphalt Pavement, 0.0 ft - 1.67 ft								
1.67 - 2.47		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft, Cleaned out with Roller cone.				10-11-8 (19)	11.2	25.4	58.0	16.6
2.47 - 3.07		A-1-b, GrSa, brn, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample. Cleaned out with Roller cone.				6-5-4-6 (9)	13.1	31.1	54.9	14.0
3.07 - 4.07		A-2-4, SiGrSa, brn, Moist, Rec. = 1.0 ft, Cleaned out with Roller cone.				8-16-32-24 (48)	20.5	26.7	50.5	22.8
4.07 - 5.67		A-2-4, SiSa, brn, MTW, Rec. = 1.6 ft, Cleaned out with Roller cone.				17-22-8-12 (30)	26.7	12.6	63.7	23.7
5.67 - 6.67		Field Note: No Recovery				5-3-3-3 (6)				
6.67 - 6.77		A-2-4, Sa, Dk/brn, MTW, Rec. = 0.1 ft, Cleaned out with Roller cone.				3-3-2-3 (5)	36.7	6.1	79.6	14.3
6.77 - 7.37		A-1-b, GrSa, Dk/gry, Moist, Rec. = 0.6 ft				8-R@5.0" (R)	15.0	39.9	48.9	11.2
7.37 - 17.1		Field Note: Drilled a 4 inch diameter Concrete Core, Rec. = 2.8 ft								
17.1 - 22.1		Visual Description: Broken Rock 17 ft. - 17.1 ft., gry-blk, Moist	1 (55)	98 (63)	6	Top of Bedrock @ 17.1 ft				
17.1 - 22.1		17.1 ft - 22.1 ft, Gray, Meta-limestone and dark gray phyllitic mica-schist with some Quartz veins. Hard, Very slightly weathered, Good rock, NXMDC, RMR = 62, Notes: Some brown discoloration along joints.			6					
17.1 - 22.1					6					
17.1 - 22.1					6					
22.1 - 27.1		22.1 ft - 27.1 ft, Gray, Meta-limestone and dark gray phyllitic mica-schist with some Quartz veins. Hard, Very slightly weathered, Good rock, NXMDC, RMR = 69, Notes: 22.1'-22.5' Quartz vein, 22.5' -22.7' Meta-Limestone, 22.7'-25.4' Mica Schist. Then Meta-Limestone to end of run. Some brown discoloration on joint surfaces.	2 (55)	100 (94)	5					
22.1 - 27.1					5					
22.1 - 27.1					5					
22.1 - 27.1					5					
Hole stopped @ 27.1 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. 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.

BORING LOG 2 CHELSEA BHF 0169(9).GPJ VERMONT AOT.GDT 6/18/15