



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-102**
Page No.: 1 of 1
Pin No.: 12C150
Checked By: **MLM**

Boring Crew: JUDKINS, NIETO, HOOK
Date Started: 4/30/15 Date Finished: 5/05/15
VTSPG NAD83: N 541578.30 ft E 1654069.48 ft
Station: 145+23.0 Offset: 7.40
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 45C SKID C = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
		Not taken.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Cone Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 1.23		Asphalt Pavement, 0.0 ft - 1.23 ft								
1.23 - 1.9		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft, Lab Note: Broken Rock was within sample.				13-11-9-10 (20)	6.4	40.2	47.7	12.1
1.9 - 2.6		A-1-b, GrSa, brn, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample. Cleaned out with roller cone.				6-13-13-5 (26)	10.4	43.6	46.3	10.1
2.6 - 3.2		Visual Description: Broken Rock pieces (Granite) with sand, gry-Lt/brn, Moist, Rec. = 0.2 ft				9-8-8-6 (16)	9.9			
3.2 - 15.0		Field Note: Continued drilling to locate Concrete & Bedrock. No samples were taken. This area was a mixture of gravel and sand.								
15.0 - 17.3		Field Note: NXMDC, Concrete core, Rec. = 2.1 ft								
17.3 - 22.3		17.3 ft - 22.3 ft, Gray, Meta-Limestone, with few Quartz veins. Hard, Slightly weathered, Fair rock, NXMDC, RMR = 49, Notes: Vertical joint in Meta-limestone at 21.0'-22.1', Yellow-orange staining and rust staining along joints.	1 (55)	82 (26)	3					
22.3 - 27.3		22.3 ft - 27.3 ft, Gray, Meta-Limestone, and dark gray Phyllitic Mica-Schist with some Quartz veins. Hard, Very slightly weathered, Good rock, NXMDC, RMR = 63, Notes: Yellow-orange staining along joints.	2 (55)	100 (76)	3					
27.3 - 27.3		Hole stopped @ 27.3 ft								

BOTTOM OF EXISTING ABUT NO 1
EL 794.2 +/-

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

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.

PROJECT NAME: **CHELSEA**
PROJECT NUMBER: **BHF 0169(9)**
FILE NAME: z12ci50blog2.dgn
PROJECT LEADER: J. OLUND
DESIGNED BY: VTRANS
BORING LOGS 2

PLOT DATE: 8/31/2016
DRAWN BY: S. MORGAN
CHECKED BY: J. OLUND
SHEET 35 OF 137

