



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-103**
Page No.: 1 of 1
Pin No.: 12C150
Checked By: MLM

Boring Crew: JUDKINS, NIETO, DIAGNAULT	Casing Type: WB	Sampler: SS	Groundwater Observations		
Date Started: 4/27/15 Date Finished: 4/28/15	I.D.: 5 in	1.5 in	Date	Depth (ft)	Notes
VTSPG NAD83: N 541675.72 ft E 1654067.21 ft	Hammer Wt: N.A.	140 lb.	04/28/15	10.2	Before drilling.
Station: 146+20.0 Offset: -4.10	Hammer Fall: N.A.	30 in.			
Ground Elevation: 812.5 ft	Hammer/Rod Type: Auto/AWJ				
	Rig: CME 55 TRACK	C = 1.46			

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Cone Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 1.4		Asphalt Pavement, 0.0 ft - 1.4 ft								
1.4 - 1.7		A-1-b, GrSa, brn-Lt/brn, Moist, Rec. = 0.7 ft, Cleaned out with Roller cone.				9-8-9 (17)	13.0	29.4	54.6	16.0
1.7 - 2.1		A-1-a, SaGr, brn, Moist, Rec. = 0.2 ft, Lab Note: Broken Rock was within sample. Cleaned out with Roller cone.				7-7-6-6 (13)	11.2	67.8	25.9	6.3
2.1 - 2.5		A-1-b, GrSa, brn, Moist, Rec. = 0.4 ft, Cleaned out with Roller cone.				5-5-5-6 (10)	13.1	36.4	49.4	14.2
2.5 - 2.9		A-1-a, SaGr, brn, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample. Cleaned out with Roller cone.				11-7-15-14 (22)	9.8	61.0	32.7	6.3
2.9 - 3.3		A-1-b, GrSa, Dk/brn, Moist, Rec. = 0.3 ft, NXDC, Cleaned out casing.				10-8-10-13 (18)	14.9	36.0	46.7	17.3
3.3 - 3.7		A-1-a, SaGr, brn-white, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample. NXDC, Cleaned out casing.				9-15-22-33 (37)	14.1	55.6	35.6	8.8
3.7 - 15.0		Field Note: No Recovery				28-14-10-9 (24)				
15.0 - 15.4		A-1-a, SaGr, brn, Moist, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample. NXDC, Cleaned out casing.				R@3.5" (R)	8.7	58.3	31.0	10.7
15.4 - 16.0		Field Note: Drilled a 4 inch diameter Concrete Core, Rec. = 1.6 ft								
16.0 - 18.4		Field Note: NXDC, Appears to be Boulder & Cobbles				18-R@5.0" (R)	7.8	60.9	26.2	12.9
18.4 - 23.4		A-1-a, SaGr, Dk/gry, Moist, Rec. = 0.4 ft, Lab Note: Broken & some Weathered Rock pieces were within sample.	1 (55)	100 (62)	4					
23.4 - 26.0		18.4 ft - 23.4 ft, Gray, Meta-limestone and dark gray phyllitic mica-schist with some Quartz veins. Hard, Very slightly weathered, Good rock, NXMDC, RMR = 62, Notes: 18.4'-19.5' Meta-Limestone, 19.5'-23.4' Schist with Quartz veins. Some brown discoloration along joints.			4					
26.0 - 28.4		23.4 ft - 26.0 ft, Gray, Meta-limestone and gray phyllitic mica-schist with some Quartz veins. Hard, Slightly weathered, Poor rock, NXMDC, RMR = 39, Notes: Brown and yellow staining along Quartz joint at 24.0'-24.75'.	2 (60)	52 (0)	4					
		26.0 ft - 28.4 ft, Alternating gray meta-limestone and dark gray phyllitic mica-schist Hard, Slightly weathered, Fair rock, NXMDC, RMR = 54, Notes: Yellow/brown discoloration along joints.	3 (45-55)	48 (60)	5					
		Hole stopped @ 28.4 ft			4					

BOTTOM OF EXISTING ABUT NO 2
EL 795.6 +/-

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)

TYLIN INTERNATIONAL

FILE NAME: z12ci50blog3.dgn
PROJECT LEADER: J. OLUND
DESIGNED BY: VTRANS
BORING LOGS 3

PLOT DATE: 8/31/2016
DRAWN BY: S. MORGAN
CHECKED BY: J. OLUND
SHEET 36 OF 137