



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	Casing Type: WB	Sampler: SS	Groundwater Observations		
Date Started: 4/17/15 Date Finished: 4/27/15	I.D.: 5 in	1.5 in	Date	Depth (ft)	Notes
VTSPG NAD83: N 541594.15 ft E 1654056.56 ft	Hammer Wt: N.A. 140 lb.	Hammer Fall: N.A. 30 in.	04/27/15	9.3	Before drilling.
Station: 145+37.5 Offset: -7.00	Hammer/Rod Type: Auto/AWJ				
Ground Elevation: 811.5 ft	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		Asphalt Pavement, 0.0 ft - 1.67 ft								
0.8		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
0.4		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
1.0		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
1.6		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
10.0		Field Note: No Recovery				5-3-3-3 (6)				
0.1		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
0.6		A-1-b, GrSa, Dk/gry, Moist, Rec. = 0.6 ft				8-R@5.0" (R)	15.0	39.9	48.9	11.2
2.8		Field Note: Drilled a 4 inch diameter Concrete Core, Rec. = 2.8 ft								
17.1		Visual Description: Broken Rock 17 ft. - 17.1 ft., gry-blk, Moist	1 (55)	98 (63)	6					
17.1		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					
22.1		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					
27.1		Hole stopped @ 27.1 ft								

BOTTOM OF EXISTING ABUT NO 1
EL 794.4 +/-

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	PLOT DATE: 8/31/2016
PROJECT NUMBER: BHF 0169(9)	DRAWN BY: S. MORGAN
FILE NAME: z12ci50blogl.dgn	CHECKED BY: J. OLUND
PROJECT LEADER: J. OLUND	SHEET 34 OF 137
DESIGNED BY: VTRANS	
BORING LOGS I	

