



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

BORING LOG

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

Boring No.: **B-103**

Page No.: 1 of 1

Pin No.: 12C152

Checked By: CCB

Boring Crew: <u>WHITLOCK, JUDKINS, HOOK</u>	Casing Type: <u>WB</u>	Sampler: <u>SS</u>	Groundwater Observations		
Date Started: <u>4/01/15</u> Date Finished: <u>4/03/15</u>	I.D.: <u>5 in</u>	<u>1.5 in</u>	Date	Depth (ft)	Notes
VTSPG NAD83: <u>N 544677.90 ft E 1654315.74 ft</u>	Hammer Wt: <u>N.A.</u>	<u>140 lb.</u>	04/03/15	10.5	Before drilling.
Station: <u>176+64.5</u> Offset: <u>-7.50</u>	Hammer Fall: <u>N.A.</u>	<u>30 in.</u>	04/03/15	7.7	After drilling.
Ground Elevation: <u>833.2 ft</u>	Hammer/Rod Type: <u>Auto/AWJ</u>				
	Rig: <u>CME 45C TRACK</u>	<u>C = 1.34</u>			

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 %
		Asphalt Pavement, 0.0 ft - 0.63 ft								
		A-1-b, GrSa, orange-brn, Moist, Rec. = 1.4 ft, Lab Note: Broken Rock was within sample.				10-16-16-14 (32)	10.6	33.2	52.7	14.1
		A-1-b, GrSa, Dk/brn, Moist, Rec. = 1.0 ft				10-13-R@5.0" (R)	10.9	27.7	56.8	15.5
5		Lab Note, Sample had Broken rock pieces, but mostly Pulverized Rock, gry, Moist, Rec. = 0.4 ft, Cleaned out with roller cone					1.1	45.9	35.9	18.2
		A-2-4, Sa, brn, MTW, Rec. = 1.5 ft				WH-45-32-R@1.0" (77)	22.3	19.3	62.1	18.6
		A-1-b, GrSa, brn, MTW, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				15-12-16-20 (28)	20.5	33.2	52.7	14.1
10		Lab Note, Lots of Broken Rock and a few wood pieces were within sample., brn, Moist, Rec. = 0.6 ft, NXDC, Cleaned out casing.				6-9-7-16 (16)	13.6	61.7	30.6	7.7
		Field Note:, No Recovery				R@5.0" (R)				
		Field Note:, Drilled a 4 inch diameter Concrete Core, Rec. = 2.1 ft								
		Lab Note, Mostly Broken Rock with sand, brn, Moist, Rec. = 0.5 ft, NXDC, Cleaned out casing. Went inside with 4 inch casing.				34-40-16 (56)	9.9	63.5	27.8	8.7
15		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft				15-7-7-6 (14)	16.6	32.0	49.0	19.0
		Visual Description:, Broken Rock, gry-blk, Moist, Rec. = 0.1 ft, NXDC, Cleaned out casing.				8-8-14-14 (22)				
		A-2-4, Sa, brn, Moist, Rec. = 0.6 ft				23-R (R)	14.2	17.1	64.1	18.8
20		19.6 ft - 24.6 ft, Gray, Meta-Limestone, with Quartz veins and staining on joints. Hard, Unweathered, Fair rock, NXMDC, RMR = 52	1 (55)	98 (63)	3					
					3					
					3					
					3					
25		24.6 ft - 29.6 ft, Gray, Meta-Limestone, with some Quartz veins. Hard, Unweathered, Good rock, NXMDC, RMR = 69	2 (55)	100 (94)	3					
					3					
					3					
					3					
30		Hole stopped @ 29.6 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.

BOTTOM OF EXISTING ABUT NO 2
EL 820.0+/-

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

PROJECT NAME: CHELSEA	PLOT DATE: 8/31/2016
PROJECT NUMBER: BHF 0169(10)	DRAWN BY: S. MORGAN
FILE NAME: z12ci52blog3.dgn	CHECKED BY: J. OLUND
PROJECT LEADER: J. OLUND	SHEET 98 OF 137
DESIGNED BY: VTRANS	
BORING LOGS 3	

