



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-104**
Page No.: 1 of 1
Pin No.: 12C152
Checked By: CCB

Boring Crew: JUDKINS, HOOK, NIETO	Casing Type: WB	Sampler: SS	Groundwater Observations		
Date Started: 4/07/15	I.D.: 5 in	1.5 in	Date	Depth (ft)	Notes
Date Finished: 4/08/15	Hammer Wt: N.A.	140 lb.	04/07/15	7.8	End of day.
VTSPG NAD83: N 544699.52 ft E 1654322.91 ft	Hammer Fall: N.A.	30 in.	04/08/15	9.7	Before drilling.
Station: 176+82.0	Hammer/Rod Type: Auto/AWJ				
Offset: 7.20	Rig: CME 45C TRACK	C = 1.34			
Ground Elevation: 833.2 ft					

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 - 0.92 ft									
5		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock & pieces of Asphalt Pavement were within sample.				6-12-20-14 (32)	14.1	37.7	49.3	13.0	
		A-1-b, GrSa, brn, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample. Cleaned out casing within roller cone.				10-13-15-16 (28)	9.0	37.8	49.4	12.8	
		A-1-b, SaGr, brn-gry, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample. Cleaned out casing within roller cone.				36-48-R@2.5" (R)	16.3	45.9	39.9	14.2	
10		A-2-4, Sa, brn, Moist, Rec. = 1.5 ft, Lab Note: Cleaned out casing within roller cone.				12-14-7-6 (21)	26.6	11.9	70.9	17.2	
		A-2-4, GrSa, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.				8-39-8-14 (47)	21.4	28.7	55.0	16.3	
15		Field Note: No Recovery				(R)					
		Field Note: Concrete Footing, Rec. = 1.9 ft									
		Lab Note, Sample was mostly Broken & Pulverized Rock, gry, Moist, Rec. = 0.5 ft, NXDC, Cleaned out casing.					35-R@2.5" (R)	8.9	69.3	21.8	8.9
15		A-2-4, SiGrSa, brn-Dk/brn, Moist, Rec. = 0.7 ft, NXDC, Cleaned out casing.				48-18-25-R@1.0" (43)	14.9	22.3	55.9	21.8	
		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft				14-14-R@1.0" (R)	14.4	41.8	42.8	15.4	
20		18.5 ft - 23.5 ft, Gray, Meta-Limestone, with Quartz veins. Hard, Very slightly weathered, Good rock, NXMDC, Four thick Quartz veins starts at 1.85 feet. Joint at 2.45 ft. has light brown/gray calcium carbonate coating. RMR = 69	1	100	5						
			(50)	(93)	5						
					4						
					4						
25		23.5 ft - 28.5 ft, Gray, Meta-Limestone, with Quartz veins. Calcium carbonate coating on joints. Hard, Very slightly weathered, Good rock, NXMDC, RMR = 69	2	100	5						
			(50)	(93)	4						
					3						
					3						
30		Hole stopped @ 28.5 ft									

BOTTOM OF EXISTING ABUT NO 2
EL 820.0+/-

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

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(10)	DRAWN BY: S. MORGAN
FILE NAME: z12ci52blog4.dgn	CHECKED BY: J. OLUND
DESIGNED BY: VTRANS	SHEET 99 OF 137
BORING LOGS 4	

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