



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-102**
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: 4/08/15 Date Finished: 4/14/15	I.D.: 5 in	1.5 in	Date	Depth (ft)	Notes
VTSPG NAD83: N 544617.15 ft E 1654355.89 ft	Hammer Wt: N.A.	140 lb.	04/08/15	2.1	End of day.
Station: 175+93.2 Offset: 7.20	Hammer Fall: N.A.	30 in.	04/14/15	9.7	Before drilling.
Ground Elevation: 833.2 ft	Hammer/Rod Type: Auto/AWJ				
	Rig: CME 45C TRACK	C = 1.34			

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 - 1.0 ft								
5		A-1-b, GrSa, brn, Moist, Rec. = 1.3 ft				9-17-11-9 (28)	10.4	25.9	58.9	15.2
		A-2-4, SiSa, brn, Moist, Rec. = 1.5 ft, Cleaned out with roller cone.				9-10-23-30 (33)	15.8	18.3	61.2	20.5
		A-2-4, SiSa, brn, Moist, Rec. = 1.5 ft, Cleaned out with roller cone.				23-29-23-24 (52)	18.4	12.7	61.1	26.2
		A-2-4, SiGrSa, brn, MTW, Rec. = 1.8 ft, Lab Note: Broken Rock was within sample.				14-22-29-29 (51)	20.1	25.5	52.4	22.1
10		A-2-4, GrSa, blk-brn, MTW, Rec. = 1.4 ft, Cleaned out with roller cone. Lab Note: Broken Rock was within sample.				19-28-20-17 (48)	22.8	20.6	61.2	18.2
		Field Note: No Recovery Field Note: Drilled a 4 inch diameter Concrete Core, Rec. = 2.0 ft				R@2.5"				
15		A-2-4, GrSa, brn-gry, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.				8-8-12-11 (20)	18.1	25.9	59.5	14.6
		Field Note: No Recovery, Stone stuck in sampler. NXDC, Cleaned out casing.				13-24-16-14 (40)				
20		A-1-b, GrSa, brn, Moist, Rec. = 0.4 ft				6-7-9-9 (16)	16.2	22.5	58.2	19.3
		A-1-b, SaGr, brn-Lt/brn, Moist, Rec. = 1.2 ft, NXDC, Cleaned out casing.				6-8-7-12 (15)	14.4	44.7	43.0	12.3
25		A-1-b, GrSa, gry-Lt/brn, Moist, Rec. = 1.0 ft				10-11-12-11 (23)	16.0	22.5	61.0	16.5
		A-1-b, GrSa, brn-gry, Moist, Rec. = 1.2 ft, NXDC, Cleaned out casing.				8-9-18-24 (27)	14.5	35.1	53.1	11.8
		A-1-b, SaGr, brn-Lt/brn, Moist, Rec. = 1.1 ft, NXDC, Cleaned out casing.				20-34-31- (71)	13.8	46.8	39.5	13.7
		A-1-b, GrSa, gry, Moist, Rec. = 0.8 ft				14-12- (71)	13.3	26.3	53.8	19.9
30		28.4 ft - 33.4 ft, Dark gray, Phyllitic mica- Schist. After 2.1 ft., gray Meta-Limestone with some Quartz veins. Hard, Very slightly weathered, Good rock, NXMDC, Joints have light orange/brown staining. RMR = 67	1 (50)	100 (52)	4					
					4					
					3					
					4					
35		33.4 ft - 38.4 ft, Gray, Meta-Limestone, with orange/brown staining on joints. Hard, Very slightly weathered, Good rock, NXMDC, RMR = 74	2 (50)	98 (91)	3					
					3					
					3					
					3					
Hole stopped @ 38.4 ft										

BOTTOM OF EXISTING ABUT NO 1
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: z12ci52blog2.dgn	CHECKED BY: J. OLUND
DESIGNED BY: VTRANS	BORING LOGS 2
	SHEET 97 OF 137

