

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-201				
				BARRE TOWN BRF 6100(7)		Page No.: 1 of 2				
						Pin No.: 06J002				
						Checked By: LJD				
Boring Crew: GEOSEARCH - FITCHBURG, MA, SMC		Casing Type: WB		Sampler: SS		Groundwater Observations				
Date Started: 5/20/11 Date Finished: 5/20/11		I.D.: 1.38 in		Date: 05/20/11		Notes: None observed				
VTSPG NAD83: N 611717.98 ft E 1638755.16 ft		Hammer Wt: N.A. 140 lb.								
Station: 14+26 Offset: -20.00		Hammer Fall: N.A. 30 in.								
Ground Elevation: 732.0 ft		Hammer/Rod Type: Auto/N								
		Rig: CME 75 Truck		CE =						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0 - 0.2	X X X X	Grass mat/topsoil., Rec. = 0.8 ft, 0.0 ft - 0.2 ft				2-3-3-4 (6)	7.5	35.4	47.5	17.1
0.2 - 2.5	X X X X	A-1-b, SiSa, gry-brn, Moist, Fill Material								
2.5 - 5.0	X X X X	SILT, little fine sand, trace fine gravel, gray-brown, loose, moist, Rec. = 0.6 ft, 3.0 ft - 5.0 ft				7-3-2-2 (5)				
5.0 - 7.5	X X X X									
7.5 - 10.0	X X X X	A-4, SiSa, gry-brn, Moist, Rec. = 0.6 ft				1-2-1-2 (3)	27.1	4.3	50.0	45.7
10.0 - 12.5	X X X X									
12.5 - 15.0	X X X X	A-2-4, SiSa, brn, Moist, Rec. = 0.6 ft				8-7-7-5 (14)	17.2		77.8	22.2
15.0 - 17.5	X X X X									
17.5 - 20.0	X X X X	Fine SAND, little silt, brown, medlum dense, moist., Rec. = 0.3 ft, 18.0 ft - 20.0 ft				7-8-8-8 (16)				
Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual. 2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor. 3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.										

ABUTMENT NO. 2
BOTTOM OF FOOTING
ELEV. 723.00

BORING LOG: 2 BARRE TOWN, BRF 6100(7) JET, FIELD, GPJ, VERMONT, ACT, GDT, 7/15/11

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VTSPG NAD83: N 611717.98 ft E 1638755.16 ft		Hammer Wt: N.A. 140 lb.								
Station: 14+26 Offset: -20.00		Hammer Fall: N.A. 30 in.								
Ground Elevation: 732.0 ft		Hammer/Rod Type: Auto/N								
		Rig: CME 75 Truck		CE =						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
22.5 - 25.0	X X X X	A-2-4, SiSa, brn, Wet				18-60/3" (R)	16.4	2.6	74.8	22.6
25.0 - 27.5	X X X X	24.5 ft - 29.5 ft, Dark gray & white, Meta-Limestone, aphanitic. Hard, Moderately weathered, NXMDC, Joints, low angle to moderately dipping, disintegrated to clayey silt 25 to 26 feet, discolored, close spacing 26 to 29.5 feet, rough, stepped, tight to open.	1	88 (38)	1.5					
27.5 - 30.0	X X X X									
30.0 - 32.5	X X X X	29.5 ft - 34.5 ft, Gray-white, Meta-Limestone, aphanitic. Very hard, NXMDC, Primary joint set low, angle to moderately dipping, close to moderate spacing, rough, stepped, discolored to fresh, tight. Secondary joint set, high angle, wide spacing (36") rough to smooth, planar to undulating, discolored to fresh, tight.	2	100 (93)	4					
32.5 - 35.0	X X X X									
35.0 - 37.5	X X X X	34.5 ft - 35.5 ft, Meta-Limestone, aphanitic. Very hard, NXMDC	3	100 (100)	6					
37.5 - 39.5	X X X X	35.5 ft - 39.5 ft, Meta-Limestone, aphanitic. Very hard, NXMDC, Joint, moderately dipping to high angle, very close, intersecting from 36.3 to 37.5 feet, moderately dipping, wide spacing, rough, planar, discolored to fresh.	4	98 (67)	8.5					
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ESTIMATED
PILE TIP
ELEV. ASSUMED

BORING LOG: 2 BARRE TOWN, BRF 6100(7) JET, FIELD, GPJ, VERMONT, ACT, GDT, 7/15/11

PROJECT NAME: BARRE TOWN
PROJECT NUMBER: BRF 6100(7)

FILE NAME: s06j002bor.dgn
PROJECT LEADER: J. LACROIX
DESIGNED BY: T. FILLBACH
BORING LOGS 3

PLOT DATE: 27-SEP-2012
DRAWN BY: R. PELLETT
CHECKED BY: T. FILLBACH
SHEET 26 OF 70