

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-202		
		BARRE TOWN BRF 6100(7)		Page No.: 1 of 2		Pin No.: 06J002		
		Checked By: LJD		Groundwater Observations				
Boring Crew: GEOSEARCH - FITCHBURG, MA, SMC		Type: WB	Sampler: SS	Date	Depth (ft)	Notes		
Date Started: 5/18/11 Date Finished: 5/19/11		I.D.: 1.38 in		05/18/11		None observed		
VTSPG NAD83: N 611710.35 ft E 1638751.79 ft		Hammer Wt: N.A. 140 lb.		05/18/11	27.65	10 hours later		
Station: 14+24 Offset: -8.00		Hammer Fall: N.A. 30 in.						
Ground Elevation: 731.5 ft		Hammer/Rod Type: Auto/MWJ						
		Rig: CME 75 Truck	CE =					
Depth (ft)	Strata (1)	Run (Dip deg.)	Core Rec. % (ROD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
	Asphalt, 0.0 ft - 0.85 ft							
2.5	A-1-b, SiSaGr, Dark brown, Moist., Rec. = 1.5 ft, 1.0 ft - 3.0 ft, Fill Material			15-16-14-10 (30)	4.1	53.2	31.6	15.2
	Visual Classification, Fine SAND and silt, trace coarse gravel, moist, loose, brown., Rec. = 1.5 ft			5-3-5-4 (8)				
5.0	A-4, SaSi, brown, Moist., Rec. = 1.3 ft, 5.0 ft - 7.0 ft			4-3-3-4 (6)	17.8	8.2	21.9	69.9
7.5	Visual Classification, Similar to S-3., Rec. = 1.3 ft			2-2-5-6 (7)				
10.0	No recovery., 9.0 ft - 11.0 ft			3-3-2-2 (5)				
12.5	A-4, SaSi, brown, Moist., Rec. = 1.5 ft, 11.0 ft - 13.0 ft			2-2-3-3 (5)	20.9	3.6	41.6	54.8
15.0	Visual Classification, Similar to S-6., Rec. = 1.8 ft			2-2-2-2 (4)				
17.5	A-4, SaSi, brown, Moist., Rec. = 1.3 ft, 15.0 ft - 17.0 ft			1-1-1-1 (2)	32.0	4.7	47.1	48.2
	Visual Classification, Fine SAND and silt, loose brown, moist., Rec. = 1.2 ft			3-3-2-2 (5)				
	Visual Classification, Medium to fine SAND, some silt, trace coarse to fine gravel, loose, brown, moist., Rec. = 1.5 ft			2-2-3-3 (5)				
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 PRED.D.P.J. VERMONT AOT.GDT. 7/19/11

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-202		
		BARRE TOWN BRF 6100(7)		Page No.: 2 of 2		Pin No.: 06J002		
		Checked By: LJD		Groundwater Observations				
Boring Crew: GEOSEARCH - FITCHBURG, MA, SMC		Type: WB	Sampler: SS	Date	Depth (ft)	Notes		
Date Started: 5/18/11 Date Finished: 5/19/11		I.D.: 1.38 in		05/18/11		None observed		
VTSPG NAD83: N 611710.35 ft E 1638751.79 ft		Hammer Wt: N.A. 140 lb.		05/18/11	27.65	10 hours later		
Station: 14+24 Offset: -8.00		Hammer Fall: N.A. 30 in.						
Ground Elevation: 731.5 ft		Hammer/Rod Type: Auto/MWJ						
		Rig: CME 75 Truck	CE =					
Depth (ft)	Strata (1)	Run (Dip deg.)	Core Rec. % (ROD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
22.5	A-2-4, SaSi, tan, Moist., Rec. = 1.5 ft, 21.0 ft - 23.0 ft			2-3-2-2 (5)	8.1	3.2	76.5	20.3
	Visual Classification, Fine sand, little silt, loose tan, moist., Rec. = 1.5 ft			2-2-2-2 (4)				
25.0	Visual Classification, Fine SAND, little silt, loose tan/orange, moist, mottling/iron staining observed, weathered rock at tip of sampler., Rec. = 1.3 ft			5-4-6-6 (10)				
27.5	Note: Drill action suggests cobbles/bedrock at 27 feet. Auger refusal at 28 feet. Advanced NX roller bit to 28.5 feet to seat casing.							
30.0	28.5 ft - 33.5 ft, Gray, Meta-Limestone, NXMDC, Joint sets high angle, close, rough, undulating, fresh, moderately open.	1	100 (88)					
32.5								
35.0	33.5 ft - 38.5 ft, Gray, Meta-Limestone, NXMDC, Joint sets high angle, close, rough, undulating, fresh, moderately open.	2	100 (69)					
37.5								
	Hole stopped @ 38.5 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. 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.								

ESTIMATED
PILE TIP
ELEV. ASSUMED

BORING LOG - 2 BARRE TOWN BRF 6100(7) JET PRED.D.P.J. VERMONT AOT.GDT. 7/19/11

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

FILE NAME: s06j002bor.dgn
PROJECT LEADER: J. LACROIX
DESIGNED BY: T. FILLBACH
BORING LOGS 4

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