

NOTE:
SEE GENERAL PLAN SHEETS FOR LAYOUT LOCATIONS.

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-324 SHEET 1 of 1 DATE STARTED: 6/30/09 DATE COMPLETED: 6/30/09					
PROJECT NAME: BARRE CITY SITE NAME: US-302 STATION: 421+97.00 OFFSET: 40.00 VTSPG NAD83:		PROJECT NUMBER: FEGC F 026-1(34) SITE NUMBER: GROUND ELEVATION: 607.78 ft GROUNDWATER DEPTH: 4.0 ft 6/30/09 PROJECT PIN NUMBER: 85B010					
BORING CREW CREW CHIEF: GARROW DRILLER: GARROW LOGGER: MAHMUTOVIC		BORING RIG: LARGE SKID RIG w/AUTO HAMMER BORING TYPE: HOLLOW STEM AUGER SAMPLE TYPE: SPLIT BARREL CHECKED BY: CAA					
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT RUN	M.C. (%) REC (%)	GRAVEL (%) RQD (%)	SAND (%) Dip (deg)	FINES (%) Drill Rate (min/ft)
2.5		A-2-4, GrSiSa, brn, Moist, Rec. = 1.4 ft	2	13.6	22.9	45.6	31.5
5.0		A-1-b, SiGrSa, brn, Moist, Rec. = 1.2 ft	9	9.8	37.5	41.2	21.3
7.5		A-1-b, SiGrSa, brn, Moist, Rec. = 1.1 ft	9	11.7	36.1	42.1	21.8
10.0		A-1-b, GrSa, brn, Wet, Rec. = 1.0 ft	13	22.9	36.0	41.9	19.1
12.5		A-2-4, SiSa, brn, Wet, Rec. = 0.4 ft	R	30.5	14.0	82.3	23.7
12.5		Mete-Limestone, (Geologist's determination), BXDC, 11.8 ft - 14.8 ft					10
15.0		Hole stopped @ 14.8 ft					10
17.5							10

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG BARRE CITY FEGC F026-1(34)		Boring No.: B-401 Page No.: 1 of 1 Pin No.: 85B010 Checked By: TDE			
Boring Crew: PORTER, GARROW, HOLT		Type: H.S.A.	Sampler: SS	Groundwater Observations			
Date Started: 3/02/11	Date Finished: 3/03/11	I.D.: 4.25 in	1.5 in	Date: 03/03/11	Depth (ft): 9.32		
VTSPG NAD83:		Hammer Wt: N.A.	140 lb	Notes: 9:00AM			
Station: 14+82	Offset: 126.00	Hammer Fall: N.A.	30 in				
Ground Elevation:		Hammer/Rod Type: Auto/AWJ					
		Rig: CME 45C TRACK	C _r = 1.34				
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows* (N Value)	Moisture Content %	Gravel %	Sand %	Finer %
0.0 - 5.0		No sampling performed, 0.0 ft - 5.0 ft					
5.0		A-4, SiSa, brn, Moist, Rec. = 1.5 ft	2-2-3-2 (5)	24.0	1.9	50.8	47.3
7.5		A-2-4, Sa, brn, Moist, Rec. = 1.3 ft	3-3-3-3 (6)	16.1	2.7	84.3	13.0
10.0		A-2-4, Sa, gry-brn, Wet, Rec. = 0.6 ft	2-3-1 (4)	28.4	0.6	83.9	15.5
10.5		Hole stopped @ 10.5 ft					
12.5		Remarks: Water levels were taken through hollow stem auger one day after drilling.					

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG BARRE CITY FEGC F026-1(34)		Boring No.: B-402 Page No.: 1 of 1 Pin No.: 85B010 Checked By: TDE			
Boring Crew: PORTER, GARROW, HOLT		Type: H.S.A.	Sampler: SS	Groundwater Observations			
Date Started: 3/02/11	Date Finished: 3/03/11	I.D.: 4.25 in	1.5 in	Date: 03/02/11	Depth (ft): 9.38		
VTSPG NAD83:		Hammer Wt: N.A.	140 lb	Notes: 1:30PM			
Station: 15+6.5	Offset: 162.64	Hammer Fall: N.A.	30 in	03/02/11 9:32 9:00AM			
Ground Elevation:		Hammer/Rod Type: Auto/AWJ					
		Rig: CME 45C TRACK	C _r = 1.34				
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows* (N Value)	Moisture Content %	Gravel %	Sand %	Finer %
0.0 - 5.0		No sampling performed, 0.0 ft - 5.0 ft					
5.0		A-4, SiSa, brn, Moist, Rec. = 1.4 ft	3-3-3-3 (6)	22.4		55.2	44.8
7.5		A-4, SiSa, brn, Moist, Rec. = 1.3 ft	1-2-2-2 (4)	28.1	1.5	56.0	42.5
10.0		A-2-4, SiSa, gry-brn, Wet, Rec. = 0.9 ft	1-2-2 (4)	38.9	1.3	70.0	28.7
10.5		Hole stopped @ 10.5 ft					
12.5		Remarks: Water levels were taken through hollow stem auger immediately after drilling and again one day after drilling.					

PROJECT NAME: BARRE CITY
PROJECT NUMBER: FEGC F 026-1(34) C/2
FILE NAME: 85b010_TYP_C2
PROJECT LEADER: G. BAKOS
DESIGNED BY: DMP / MDS
BORING LOGS

PLOT DATE: 3/9/2011
DRAWN BY: DMP / JAR
CHECKED BY:
SHEET 52 OF 339