STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-301
SHEET 1 of 1
DATE STARTED: 6/01/09
DATE COMPLETED: 6/01/09

PROJECT NAME: BARRE CITY
SITE NAME: US-302
STATION: 113+35.90
OFFSET: -45.00
VTSPG NAD83: N 620624.70 ft E 1638383.56 ft

PROJECT NUMBER: FEGC F 026-1(34)
SITE NUMBER:
GROUND ELEVATION: 593.61 ft
GROUNDWATER DEPTH: 10.5 ft 8/01/09
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	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-4, SiSa, brn, Moist, Rec. = 1.4 ft	8	24.2	1.3	52.2	46.5
5		A-4, SaSi, gry, MTW, Rec. = 1.5 ft	2	46.3	0.0	38.6	61.4
		A-4, Si with Little Organics (11.9%), gry, MTW, Rec. = 1.8 ft	1	68.2	0.2	16.0	83.8
10		A-4, SaSi, gry, MTW, Rec. = 1.7 ft	4	34.9	2.5	38.8	58.7
		A-1-b, SaGr, gry, Wet, Rec. = 0.8 ft	12	24.0	41.4	39.8	18.8
		A-1-b, GrSa, gry, Wet, Rec. = 0.9 ft	10	26.1	21.3	64.2	14.5
15		A-2-4, Sa, brn, Wet, Rec. = 1.4 ft	1	31.6	3.0	78.8	18.2
20		A-2-4, SiSa, brn, Wet, Rec. = 1.2 ft	1	33.9	3.7	70.7	25.6
		A-2-4, SiSa, brn, Wet, Rec. = 1.2 ft	3	27.1	1.2	73.6	25.2
25		Hole stopped @ 25.0 ft					
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45							

LOG OF BORING BARRE CITY FEGC F 026-1(34) GPJ VT AOT GDT 8/19/09

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-302
SHEET 1 of 1
DATE STARTED: 6/01/09
DATE COMPLETED: 6/01/09

PROJECT NAME: BARRE CITY
SITE NAME: US-302
STATION: 113+42.40
OFFSET: 57.00
VTSPG NAD83: N 620555.26 ft E 1638310.77 ft

PROJECT NUMBER: FEGC F 026-1(34)
SITE NUMBER:
GROUND ELEVATION: 592.84 ft
GROUNDWATER DEPTH: 5.0 ft 6/01/09
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	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-4, SiSa, brn, Moist, Rec. = 1.2 ft	3	17.1	3.8	60.3	35.9
5		A-2-4, Sa, brn, Wet, Rec. = 1.8 ft	3	26.9	0.2	88.8	11.0
		A-2-4, Sa, brn, Wet, Rec. = 1.2 ft	5	24.8	9.3	79.6	11.1
10		A-1-b, SaGr, blk, Wet, Rec. = 0.9 ft	11	19.8	44.1	40.7	15.2
		A-1-b, GrSa, blk, Wet, Rec. = 0.8 ft	7	24.8	33.6	47.7	18.8
		A-2-4, Sa with pieces of Wood, blk, Wet, Rec. = 1.4 ft	1	35.0	13.0	67.3	19.7
15		A-2-4, SiSa, blk, Wet, Rec. = 1.7 ft	7	30.0	1.3	75.5	23.2
20		A-2-4, Sa, blk, Wet, Rec. = 1.1 ft	16	25.0	13.7	69.2	17.1
		A-2-4, Sa, blk, Wet, Rec. = 1.5 ft	14	19.5	18.9	64.3	16.8
25		Hole stopped @ 25.0 ft					
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45							

LOG OF BORING BARRE CITY FEGC F 026-1(34) GPJ VT AOT GDT 8/19/09

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-304
SHEET 1 of 1
DATE STARTED: 6/03/09
DATE COMPLETED: 6/03/09

PROJECT NAME: BARRE CITY
SITE NAME: US-302
STATION: 114+55.50
OFFSET: -47.50
VTSPG NAD83: N 620475.76 ft E 1638382.96 ft

PROJECT NUMBER: FEGC F 026-1(34)
SITE NUMBER:
GROUND ELEVATION: 594.14 ft
GROUNDWATER DEPTH: 13.2 ft 6/03/09
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	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-4, SaSi, brn, Moist, Rec. = 1.5 ft	3	21.3	0.4	42.6	57.0
5		A-2-4, SiSa, brn, Moist, Rec. = 1.3 ft	4	17.2	0.1	75.1	24.8
		A-2-4, Sa, brn, Wet, Rec. = 1.6 ft	2	28.3	0.0	83.5	16.5
10		A-2-4, Sa, blk-brn, Wet, Rec. = 1.3 ft	3	30.1	1.4	84.4	14.2
		A-1-b, GrSa, blk, Wet, Rec. = 1.1 ft	37	18.2	41.8	48.5	9.7
		A-1-b, GrSa, brn, Wet, Rec. = 2.0 ft	25	12.8	40.3	48.9	10.8
15		Visual Classification, SaGr, brn, Wet, Rec. = 0.9 ft, Sample had oxidized staining with a slight odor of possible septic.	19				
20		A-4, SaSi, gry, Wet, Rec. = 1.0 ft	3	26.8	0.1	28.2	71.7
		A-4, Si, gry, Wet, Rec. = 1.0 ft	7	29.4	0.3	16.6	83.1
25		Hole stopped @ 25.0 ft					
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35							
40							
45							

LOG OF BORING BARRE CITY FEGC F 026-1(34) GPJ VT AOT GDT 8/19/09

STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-305
SHEET 1 of 1
DATE STARTED: 6/08/09
DATE COMPLETED: 6/08/09

PROJECT NAME: BARRE CITY
SITE NAME: US-302
STATION: 23+80.30
OFFSET: -26.90
VTSPG NAD83: N 620810.69 ft E 1638669.32 ft

PROJECT NUMBER: FEGC F 026-1(34)
SITE NUMBER:
GROUND ELEVATION: 595.74 ft
GROUNDWATER DEPTH: 10.2 ft 6/08/09
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	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-2-4, SiSa, brn, Moist, Rec. = 0.7 ft	22	12.0	19.6	59.0	21.4
5		A-4, SaSi, blk, MTW, Rec. = 1.7 ft	3	41.9	0.1	44.7	55.2
		A-2-4, SiSa, blk, MTW, Rec. = 2.0 ft	1	36.4	0.0	67.8	32.2
10		A-2-4, SiSa with Trace of Organics (5.3%), blk, Wet, Rec. = 2.0 ft	1	60.5	0.2	66.3	33.6
		A-2-4, SiGrSa, blk, Wet, Rec. = 0.5 ft	4	38.1	23.0	56.9	20.1
		A-2-4, GrSiSa, blk, Wet, Rec. = 1.1 ft	WH	34.0	22.8	41.9	35.3
15		A-2-4, SiSa, brn, Wet, Rec. = 0.3 ft	4	40.0	0.1	79.8	20.1
20		A-2-4, Sa, brn, Wet, Rec. = 2.0 ft	7	28.3	7.2	78.3	14.6
		A-2-4, Sa, brn, Wet, Rec. = 2.0 ft	17	29.3	3.7	80.6	15.7
25		Hole stopped @ 25.0 ft					
30							
35							
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45							

LOG OF BORING BARRE CITY FEGC F 026-1(34) GPJ VT AOT GDT 8/19/09

DATUM
VERTICAL NAVD 1929
HORIZONTAL NAD 27

VHB Vanasse Hangen Brustlin, Inc.

PROJECT NAME: BARRE CITY
PROJECT NUMBER: FEGC F 026-1(34) C/I

FILE NAME: z09B240_ALIPT.dgn
PROJECT LEADER: G. BAKOS
DESIGNED BY: DMP / MDS
BORING LOGS

PLOT DATE: 4/5/2010
DRAWN BY: DMP / JAR
CHECKED BY:
SHEET 29 OF 95