



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

BORING NUMBER: B-101
 SHEET 1 of 1
 DATE STARTED: 7/29/09
 DATE COMPLETED: 7/30/09

PROJECT NAME: BARRE TOWN
 SITE NAME: VT-63 & TH-9
 STATION: 72+50
 OFFSET: 14.00
 VTSPG NAD83: N 607068.17 ft E 1629975.60 ft

PROJECT NUMBER: STP-HES 042-1(2)
 SITE NUMBER:
 GROUND ELEVATION: 1105.9 ft
 GROUNDWATER DEPTH: NO WATER TO DEPTH
 PROJECT PIN NUMBER: 08B176

BORING CREW
 CREW CHIEF: WERNER
 DRILLER: WERNER
 LOGGER: EWALD

BORING RIG: SMALL SKID RIG
 BORING TYPE: WASH BORE
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CEE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		Asphalt Pavement, 0.0 ft - 0.6 ft					
5		A-1-b, GrSa, brn, Moist, Rec. = 0.9 ft	29	12.3	34.8	49.5	15.7
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft	45	11.2	35.1	50.0	14.9
		A-1-a, Gr, gry, Moist, Rec. = 1.0 ft, Broken Rock was within sample.	27	8.3	73.7	18.1	8.2
10		A-1-b, SaGr, gry-brn, Moist, Rec. = 1.1 ft, Broken Rock was within sample.	47	8.2	43.2	40.0	16.8
		A-1-b, SaGr, gry, MTW, Rec. = 1.1 ft	50	9.4	42.1	40.0	17.9
		A-1-b, SaGr, gry, MTW, Rec. = 1.0 ft	41	9.4	49.2	35.1	15.7
15		A-1-a, SaGr, brn, Moist, Rec. = 0.9 ft	22	7.9	64.7	23.2	12.1
20		A-1-a, Gr, gry, Moist, Rec. = 0.8 ft, Broken Rock was within sample.	15	7.2	71.8	17.7	10.5
25		A-1-b, SaGr, gry, MTW, Rec. = 0.8 ft, Broken Rock was within sample.	20	11.5	57.0	24.8	18.2
30		A-1-b, SiSaGr, gry, MTW, Rec. = 0.6 ft, Broken Rock was within sample.	44	10.4	47.9	27.0	25.1
35		A-2-4, SaSiGr, gry, MTW, Rec. = 1.1 ft	49	10.4	45.0	20.3	34.7
		Visual Classification, SaGr, gry, MTW, Rec. = 0.5 ft	R	14.3			
		Hole stopped @ 39.0 ft					

LOG OF BORING BARRE TOWN STP-HES 042-1(2).GPJ VT AOT.GDT 8/19/09



STATE OF VERMONT
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 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING NUMBER: B-102
 SHEET 1 of 1
 DATE STARTED: 7/22/09
 DATE COMPLETED: 7/27/09

PROJECT NAME: BARRE TOWN
 SITE NAME: VT-63 & TH-9
 STATION: 72+50
 OFFSET: -50.00
 VTSPG NAD83: N 607085.90 ft E 1629914.69 ft

PROJECT NUMBER: STP-HES 042-1(2)
 SITE NUMBER:
 GROUND ELEVATION: 1078.0 ft
 GROUNDWATER DEPTH: 5.7 ft 7/27/09
 PROJECT PIN NUMBER: 08B176

BORING CREW
 CREW CHIEF: WERNER
 DRILLER: WERNER
 LOGGER: EWALD

BORING RIG: SMALL SKID RIG
 BORING TYPE: WASH BORE
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CEE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
		A-4, SiSa, brn, Moist, Rec. = 1.0 ft	3	24.2	19.3	43.0	37.7
		A-4, SaSi, brn, Moist, Rec. = 0.8 ft	5	19.1	15.9	33.0	51.1
5		A-2-4, SiSaGr, brn, Wet, Rec. = 0.9 ft	13	23.4	35.2	33.0	31.8
		A-2-4, SiGrSa, brn, Wet, Rec. = 0.8 ft	15	16.3	31.1	45.4	23.5
		A-1-b, SiGrSa, brn, Wet, Rec. = 0.9 ft	19	17.6	31.8	43.9	24.3
10		Cobbles, 9.9 ft - 10.8 ft					
		A-1-b, SaGr, brn, Wet, Rec. = 0.3 ft	R	12.2	55.5	28.2	16.3
		Dark gray, Meta-Limestone, Hard, Unweathered, BXDC, 12.0 ft - 14.0 ft, Rec. = 0.65 ft	1	33	0		12
							13
15		Dark gray, Meta-Limestone, Competent, Hard, Unweathered, BXMDC, 14.0 ft - 19.0 ft, Rec. = 5.0 ft	2	100	48	40	10
							11
							10
							13
							26
20		Hole stopped @ 19.0 ft					
		DRILLER'S NOTES: 1. Run#1 core was placed in a sample bag and then saved in the core box.					
25							
30							
35							

LOG OF BORING BARRE TOWN STP-HES 042-1(2).GPJ VT AOT.GDT 8/18/09