



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

BORING NUMBER: B-14
SHEET 1 of 2
DATE STARTED: 11/13/09
DATE COMPLETED: 11/24/09

PROJECT NAME: BRATTLEBORO PROJECT NUMBER: IM 091-1(50)
SITE NAME: I-91 SITE NUMBER: BR 6 N&S
STATION: 464+79 GROUND ELEVATION: 401.53 ft
OFFSET: 58.59 GROUNDWATER DEPTH: SEE NOTES
VTSPG NAD83: N 127329.70 ft E 1619332.54 ft PROJECT PIN NUMBER: 02A014

BORING CREW BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER
CREW CHIEF: GARROW BORING TYPE: WASH BORE
DRILLER: GARROW SAMPLE TYPE: SPLIT BARREL
LOGGER: MAHMUTOVIC CHECKED BY: TDE

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft	10	18.8	21.1	67.0	11.9
		Visual Classification, Sand with possible broken orange clay pipe and broken rock, brn, Wet, Rec. = 0.5 ft, Possible Fill material.	11				
10		A-1-a, Gr, gry, Wet, Rec. = 0.6 ft, Broken rock was within sample.	40	8.9	76.7	19.1	4.2
		A-1-a, SaGr, brn, Wet, Rec. = 0.7 ft, Broken rock was within sample.	16	11.4	50.7	39.1	10.2
20		Field Class:, No Recovery, Appears to be Sandy Gravel	7				
		A-4, SaSi, gry, Wet, Rec. = 1.0 ft	20	20.6	16.0	25.7	58.3
30		Field Note:, NXDC, Cobbles					
		A-4, SiSa, gry, Wet, Rec. = 1.5 ft	34	17.4	12.3	49.9	37.8
40		Field Note:, NXDC, Cobbles					
		A-1-b, SiGrSa, gry, Moist, Rec. = 0.8 ft	8	17.1	32.5	47.4	20.1
50		A-1-a, Gr, gry, Moist, Rec. = 0.7 ft, Lab Note: Sample was mostly broken rock.	67	8.5	76.3	18.0	5.7
		A-2-4, GrSiSa with small pieces of wood, Lt/gry, Moist, Rec. = 1.3 ft, There was some soft/weathered rock within sample.	29	11.2	22.3	50.8	26.9

LOG OF BORING BRATTLEBORO IM 091-1(50).GPJ VT AOT.GBT 1/21/10



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DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
		Field Class:, No Recovery, Appears to be Sandy Silt	14				
		A-1-a, SaGr, gry, Moist, Rec. = 1.0 ft, Broken rock was within sample.	41	7.4	68.5	24.9	6.6
70		A-2-4, SiSa, gry, Wet, Rec. = 1.5 ft	WH	15.0	14.6	54.6	30.8
		A-1-b, SiSaGr, gry, Wet, Rec. = 0.9 ft	10	10.6	43.1	32.9	24.0
80		A-4, SaSi, gry, Moist, Rec. = 1.7 ft, Lab Note: (HP)	54	9.3	15.6	34.2	50.2
		A-4, SaSi, gry, Moist, Rec. = 1.9 ft, Lab Note: (HP)	40	9.1	12.7	43.1	44.2
90		Field Note:, NXDC, Cobbles, Pulled casing at 95.0 ft and changed bit.					
		A-1-b, SiGrSa with some weathered rock, gry, Moist, Rec. = 1.0 ft	42	13.2	26.7	52.2	21.1
		Interbedded Meta-Limestone and Phyllitic Meta-Limestone. Stained jointing. Not Competent, Hard, Moderately weathered, NXMDC, 97.1 ft - 102.1 ft, Rec. = 3.8 ft	1	76	14	55	15
		Phyllite grading to Meta-Limestone and Phyllitic Meta-Limestone. Stained jointing. Moderately Competent, Hard, Moderately weathered, NXMDC, 102.1 ft - 107.1 ft, Rec. = 4.5 ft	2	90	36	55	10
		Hole stopped @ 107.1 ft					9
							8
							10
							10
110		DRILLER'S NOTES: GROUND WATER DEPTHS: a. 27.3 ft on 11/16/09 (drilled to 30.0' on 11/13/09) b. No water found on 11/17/09 (drilled to 45.0' on 11/16/09) c. 60.8 ft on 11/18/09 (drilled to 75.0' on 11/17/09) d. 65.5 ft on 11/24/09					

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