



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

BORING NUMBER: B-19
SHEET 1 of 2
DATE STARTED: 10/29/09
DATE COMPLETED: 11/05/09

PROJECT NAME: BRATTLEBORO PROJECT NUMBER: IM 091-1(50)
SITE NAME: I-91 SITE NUMBER: BR 6 N&S
STATION: 460+25 GROUND ELEVATION: 416.79 ft
OFFSET: 58.10 GROUNDWATER DEPTH: SEE NOTES
VTSPG NAD83: N 126951.24 ft E 1619546.56 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 (%)
		Visual Classification, SiSaGr, brn, Moist, Rec. = 0.7 ft, insufficient sample for testing.	5	12.4			
		Field Note: NXDC, Cobbles					
		Field Note: No Recovery	18				
10		Field Note: NXDC, Cobbles and Gravel					
		A-4, SiSa, Lt/brn, Moist, Rec. = 1.3 ft	33	11.0	13.8	49.9	36.3
		A-4, SiSa, gry, Moist, Rec. = 1.7 ft	31	10.8	12.7	50.8	36.5
20		Field Note: NXDC, Cleaned out casing.					
		A-2-4, SiSa, gry-brn, Moist, Rec. = 1.7 ft	40	8.9	19.2	50.1	30.7
		Visual Classification, Broken Rock, gry, Dry, Rec. = 0.3 ft	R				
30		Field Note: NXDC, Cobbles					
		A-2-4, SiSa (HP), gry, Moist, Rec. = 1.7 ft	55	9.3	15.8	50.5	33.7
		Field Note: NXDC, Cobbles and Gravel					
		A-4, SiSa (HP), gry, Moist, Rec. = 0.5 ft	88	9.2	17.8	43.8	38.4
40		Field Note: NXDC, Cobbles					
		A-2-4, GrSiSa (HP), gry, Moist, Rec. = 1.3 ft	35	9.4	29.4	39.7	30.9
		A-2-4, GrSiSa, gry, Moist, Rec. = 1.5 ft, Broken Granite chips were within sample.	21	9.6	32.0	35.0	33.0
50		Field Note: NXDC, Cobbles					
		Field Note: NXDC, Cored ahead					
		Field Note: NXDC, Cobbles					
		A-4, SaSi, gry, Moist, Rec. = 0.3 ft	26	15.8	9.3	38.9	51.8

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



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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 (%)
60		Field Note: NXDC, Cobbles and 2 inch stone, Cleaned out casing					
		A-4, SaSi, gry, Moist, Rec. = 1.5 ft	19	13.6	18.1	35.4	46.5
		A-4, GrSaSi (HP), gry, Moist, Rec. = 1.6 ft	64	9.1	20.6	38.6	40.8
70		Visual Classification, Broken Rock with sand, gry, Moist, Rec. = 0.5 ft	R	7.2			
		Field Note: NXDC, Cleaned out casing.					
		A-2-4, SiSa, gry-brn, Moist, Rec. = 1.3 ft	82	13.9	6.4	72.8	20.8
80		A-2-4, SiGrSa, gry, Moist, Rec. = 0.9 ft	R	11.9	27.6	47.0	25.4
		A-4, SaGrSi, gry, Moist, Rec. = 0.8 ft	R	16.3	25.4	22.8	51.8
90		Field Note: NXDC, Cobbles					
		Hole stopped @ 92.0 ft					
		DRILLER'S NOTES: Four inch bit worn out at 92.0 ft.; Sleaved down with 3.0 inch casing, but found out that the 4 inch casing was broke off at 87.0 ft.; Pulled casing and started drilling B-19a.					
		GROUND WATER DEPTHS: a. 11.5 ft on 10/30/09 b. 25.4 ft on 11/02/09 c. 24.4 ft on 11/03/09 d. 48.4 ft on 11/04/09 e. 6.2 ft on 11/06/09, Hole collapsed around 20.0 ft.					
100							
110							

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