



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

BORING NUMBER: B-102  
SHEET 1 of 1  
DATE STARTED: 6/23/09  
DATE COMPLETED: 6/25/09

PROJECT NAME: BRAINTREE  
SITE NAME: TH-23  
STATION: 11+31.6  
OFFSET: -7.50  
VTSPG NAD83: N 540475.96 ft E 1600611.57 ft

PROJECT NUMBER: BRO 1444(36)  
SITE NUMBER: BR-12  
GROUND ELEVATION: 706.32 ft  
GROUNDWATER DEPTH: 9.5 ft 6/25/09  
PROJECT PIN NUMBER: 95J292

BORING CREW  
CREW CHIEF: PORTER  
DRILLER: PORTER  
LOGGER: WERNER

BORING RIG: LAG TRACK RIG #09 w/AUTO HAMMER  
BORING TYPE: WASH BORE  
SAMPLE TYPE: SPLIT BARREL  
CHECKED BY: NSM

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-1-a, SaGr, brn, Moist, Rec. = 1.4 ft	19	3.2	54.3	32.4	13.3
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.6 ft	20	7.9	33.3	40.7	26.0
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.4 ft	10	9.1	30.9	44.6	24.5
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.2 ft	4	9.2	35.3	43.9	20.8
		A-1-b, SaGr, brn, Wet, Rec. = 0.9 ft	3	14.6	42.5	39.9	17.6
10		A-4, SaSi, brn, Wet, Rec. = 1.3 ft	7	24.1	18.5	30.6	50.9
		Field Note: No Recovery, Appears to be silt	3				
		Visual Classification, Si, gry, Wet, Rec. = 0.8 ft	3	31.7			
		A-4, Si, gry, Wet, Rec. = 1.5 ft	3	34.1	0.0	1.1	98.9
		A-4, Si, gry, Wet, Rec. = 1.6 ft	3	35.1	0.0	0.5	99.5
20		Visual Classification, Si, gry, Wet, Rec. = 2.0 ft	3	35.8			
		A-2-4, SiSaGr, gry, Wet, Rec. = 1.4 ft	11	11.2	38.8	34.0	27.2
30		Field Class: Cobbles, BXDC, Cleaned out casing					
		A-1-b, SaGr, gry, Wet, Rec. = 0.8 ft	68	9.4	55.1	29.2	15.7
		Dark gray, Meta-Limestone, grading to phyllite. Competent. Low RQD possibly due to mechanical breakage during drilling, Moderately soft to moderately hard, Unweathered, BXMDC, 34.5 ft - 38.5 ft, Rec. = 3.4 ft	1	85	29	50	7 6 9 16
40		Dark gray, Phyllite, Competent. Low RQD possibly due to mechanical breakage during drilling, Moderately soft, Unweathered, BXMDC, 38.5 ft - 41.5 ft, Rec. = 2.7 ft	2	90	11	50	7 7 15
		Dark gray, Phyllite, Competent. Low RQD possibly due to mechanical breakage during drilling, Moderately soft, Unweathered, BXMDC, 41.5 ft - 42.5 ft, Rec. = 1.0 ft	3	100	0	50	12
		Hole stopped @ 42.5 ft					

LOG OF BORING BRAINTREE BRO 1444(36).GPJ VT AOT.GDT 12/4/09