



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

BORING NUMBER: B-102  
SHEET 1 of 1  
DATE STARTED: 4/14/08  
DATE COMPLETED: 4/24/08

PROJECT NAME: CAMBRIDGE  
SITE NAME: VT-108  
STATION: 16+88  
OFFSET: 48.00  
VTSPG: N 777923.30 ft E 1554945.00 ft

PROJECT NUMBER: STP 0235(9)  
SITE NUMBER: MM 8.0 SOIL SLOPE  
GROUND ELEVATION: 639.5 ft  
GROUNDWATER DEPTH: 30.0 ft 4/26/08  
PROJECT PIN NUMBER: 07C152

BORING CREW  
CREW CHIEF: GARROW  
DRILLER: GARROW  
LOGGER: MALMATONIC

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

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	WELL DIAGRAM	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
				RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)		
Top of Well Elevation: 641.4 ft										
		No recovery, 0.0 ft - 2.0 ft		WR						
		A-4, SiSa, gry-brn, Moist, Rec. = 0.7 ft, Cleaned out casing.		3	21.1	11.0	45.0	44.0		
5		A-2-4, GrSiSa, gry, Moist, Rec. = 0.8 ft		13	15.5	25.0	43.5	31.5		
		Visual Classification, Slightly weathered, soft shale type broken rock pieces, grn, Moist, Rec. = 0.3 ft		17						
		No recovery, 6.0 ft - 8.0 ft, Cleaned out casing.		20	13.9	37.6	37.5	24.9		
10		A-1-b, SiSaGr, grn, Moist, Rec. = 1.2 ft		20	11.7	38.0	34.8	27.2		
		A-2-4, SiSaGr, grn, Moist, Rec. = 1.1 ft		22	14.7	9.7	31.3	59.0		
15		A-4, SaSi, grn, Moist, Rec. = 1.0 ft, Cleaned out casing.								
		Field Class., Cl, gry, Moist, Rec. = 1.15 ft								
		16.5 ft - 17.0 ft, Cleaned out casing.			28.4	0.1	0.8	99.1	38	15
		A-6, SiCl, gry, Moist, Rec. = 2.0 ft								
20		19.5 ft - 20.0 ft, Cleaned out casing.								
		Field Class., GrCISi, gry, Moist, Rec. = 1.3 ft								
		21.5 ft - 23.0 ft, Cleaned out casing.								
		Field Class., GrCISi, gry, Moist, Rec. = 1.25 ft								
25		25.5 ft - 26.0 ft, Cleaned out casing.								
		Field Class., Cl, gry, Moist, Rec. = 0.9 ft								
		28.2 ft - 29.0 ft, Cleaned out casing.								
30		A-1-b, SaGr, gry, Moist, Rec. = 0.8 ft		95	11.2	52.3	31.1	16.6		
		Field Note, NXMDC, Cobbles, Advanced and cleaned out casing.								
		A-1-b, GrSa, gry, Moist, Rec. = 0.7 ft		R	7.6	21.3	34.0	11.4		
35		Green-silver, Chlorite-quartz-muscovite meta-greywacke, Moderately hard, Unweathered, NXMDC, 34.0 ft - 38.0 ft, Rec. = 3.6 ft		1	90	83	50	10		
								20		
								10		
								10		
40		Green-silver, Chlorite-quartz-muscovite meta-greywacke, Moderately hard, Unweathered, NXMDC, 38.0 ft - 43.0 ft, Rec. = 4.8 ft		2	96	87	50	10		
								12		
								10		
								10		
45		Hole stopped @ 43.0 ft								
		DRILLER'S NOTES: 1. An inclinometer was installed to 42.1 ft. 2. Top of inclinometer casing is 1.9 ft above ground surface.								

LOG OF BORING CAMBRIDGE STP 0235(9) GPJ VT AOT.GDT 8/25/08