

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-13 SHEET 1 OF 1 DATE STARTED: 5/8/00 DATE COMPLETED: 5/12/00							
PROJECT NAME: CAMBRIDGE SITE NAME: BR 21 STATION: 10+172.10 GROUND EL.: 141.366		PROJECT NUMBER: BR 027-1(4) SITE NO.: VT 108 OFFSET: -10.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: TALLMAN DRILLER: TALLMAN LOGGER: RUSSELL ADDITIONAL CREW:		BORING RIG: SKID RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-2-4, SiSa, brn, Moist, Rec. = 0.28m	4	17	13.9	57.8	28.3		
		No Rec., Stone in sampler BXDC, 3.20m-3.65m, Boulder	R						
		A-2-4, Sa, brn, MTW, Rec. = 0.18m	7	24.7	19.6	61.1	19.3		
		BXDC, 5.50m-6.50m, Boulders, No Sample							
		Run#1: BXMDC, 7.20m-8.72m, Rec. = 1.50m, See Geologist's Report.	RUN	RECZ	RODZ	Dip°			
		Run#2: BXMDC, 8.72m-10.24m, Rec. = 1.50m, See Geologist's Report.	2	99	98	50			
Hole stopped @ 10.24m									
GEOLOGISTS REPORT:									
Run #1: Gray quartz-albite-muscovite schist, Moderately hard, Unweathered, Competent									
Run #2: Same as Run #1 but contains biotite porphyroblasts and some quartz veins. Competent									

WW. NO.1
EST. B.O.F.
EL.134.9

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-14 SHEET 1 OF 1 DATE STARTED: 5/3/00 DATE COMPLETED: 5/4/00							
PROJECT NAME: CAMBRIDGE SITE NAME: BR 21 STATION: 10+172.20 GROUND EL.: 140.068		PROJECT NUMBER: BR 027-1(4) SITE NO.: VT 108 OFFSET: 0.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: TALLMAN DRILLER: TALLMAN LOGGER: RUSSELL ADDITIONAL CREW:		BORING RIG: SKID RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		No Rec.	5						
		No Rec.	7						
		Run#1: BXMDC, 4.41m-5.93m, Rec. = 1.50m, See Geologist's Report.	RUN	RECZ	RODZ	Dip°			
		Run#2: BXMDC, 5.93m-7.45m, Rec. = 1.33m, See Geologist's Report.	2	88	88	50			
Hole stopped @ 7.45m									
GEOLOGISTS REPORT:									
Run #1: Gray quartz-albite-muscovite schist with quartz veins and biotite porphyroblasts, Moderately hard, Unweathered, Competent.									
Run #2: Same as Run #1, Competent									

ABUT. NO.1
EST. B.O.F.
EL.135.9

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-15 SHEET 1 OF 1 DATE STARTED: 4/28/00 DATE COMPLETED: 5/1/00							
PROJECT NAME: CAMBRIDGE SITE NAME: BR 21 STATION: 10+172.30 GROUND EL.: 138.742		PROJECT NUMBER: BR 027-1(4) SITE NO.: VT 108 OFFSET: 5.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: TALLMAN DRILLER: TALLMAN LOGGER: RUSSELL ADDITIONAL CREW:		BORING RIG: SKID RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		Visual Class.: A-4, SaSi Trace of Organic, brn, MTW, Rec. = 0.04m, 8.12% Organic	4	24.1					
		No Sample, Into Stone Fill							
		Run #1: BXMDC, 2.80m-4.32m, Rec. = 1.52m, See Geologist's Report.	RUN	RECZ	RODZ	Dip°			
		Run #2: BXMDC, 4.32m-5.84m, Rec. = 1.43m, See Geologist's Report.	2	94	94	50			
Hole stopped @ 5.84m									
GEOLOGISTS REPORT:									
Run #1: Gray quartz-albite-muscovite schist, Moderately hard, Unweathered, Competent.									
Run #2: Same as Run #1, Competent									

ABUT. NO.1
EST. B.O.F.
EL.135.9

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-18 SHEET 1 OF 1 DATE STARTED: 6/19/00 DATE COMPLETED: 6/20/00							
PROJECT NAME: CAMBRIDGE SITE NAME: BR 21 STATION: 10+226.40 GROUND EL.: 134.956		PROJECT NUMBER: BR 027-1(4) SITE NO.: VT 108 OFFSET: -5.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: TALLMAN DRILLER: RUSSELL LOGGER: DAVIS ADDITIONAL CREW:		BORING RIG: SKID RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		BXDC, 0.60m-1.45m, Boulders							
		A-1-b, Sa, gry, MTW, Rec. = 0.03m	8	26.1	19.8	76.2	4		
		A-1-b, GrSa, brn-gry, Moist, Rec. = 0.33m	10	12.4	43.9	47.8	8.3		
		A-2-4, SiSa, gry, Moist, Rec. = 0.07m	13	18.1	19.3	54.5	26.2		
		Run#1: BXMDC, 5.25m-6.77m, Rec. = 1.46m, See Geologist's Report.	RUN	RECZ	RODZ	Dip°			
		Run#2: BXMDC, 6.77m-8.29m, Rec. = 1.49m, See Geologist's Report.	2	98	98	60-80			
Hole stopped @ 8.29m									
GEOLOGISTS REPORT:									
Run #1: Gray quartz-albite-muscovite schist, Competent, Core broken due to mechanical.									
Run #2: Same as Run #1, Competent									

PIER NO.2
B.O.F.
EL.133.0

PIER NO.2
B.O.
DRILLED
SHAFT
EL.125.75

Drillers Note:
On Run #1, lost core from barrel, went back down to retrieve it.

PROJECT NAME:	CAMBRIDGE		
PROJECT NUMBER:	BRF 027-1 (4)		
FILE NAME:	s78f163bor.dgn	PLOT DATE:	05-JUN-2012
PROJECT LEADER:	M. EVANS-MONGEON	DRAWN BY:	R. PELLETT
DESIGNED BY:	T. FILLBACH	CHECKED BY:	T. FILLBACH
BORING LOG 1		SHEET	156 OF 214