

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-01 SHEET 1 OF 1 DATE STARTED: 1/12/00 DATE COMPLETED: 1/13/00							
PROJECT NAME: BARTON SITE NAME: BR 161 STATION: I+25L30 GROUND EL.: 298.95		PROJECT NUMBER: STP 01135815 SITE NO.: US Rt.5 OFFSET: -5.80 G.W. DEPTH: 4.4 m							
BORING CREW CREW CHIEF: R. TALLMAN DRILLER: R. YOUNG LOGGER: K. 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 Recovery, Boulders							
		A-2-4, Sa, brn, Moist, rec.=0.25m.	R	12.9	11.7	73.6	14.7		
		A-4, SaSi, gry, Moist, rec.=0.18m.	R	14.8	8.1	42.9	49		
5		A-4, SiSa, brn-gry, Moist, rec.=0.16	R	14.3	4.4	53.1	42.5		
		A-4, GrSaSi, gry, Moist rec.=0.10m.	R	12.3	20.4	38.3	41.3		
		No Sample, Boulders							
		Top of Bedrock at 10.48m							
10		RUN#1: BXMDC 10.48m-11.08m rec.=0.60m See Geol. Report	1	100	0				
		RUN#2: BXMDC 11.08-12.60m rec.=1.52m, See Geologist's Report	2	100	100				
		RUN#3: BXMDC 12.60-13.52m rec.=0.80m, See Geologist's Report	3	87	80				
		Hole stopped at 13.52m							
GEOLOGISTS REPORT:									
Run #1: Granite, Very hard, Unweathered. Very closely spaced jointing. Joints surfaces are unstained. Breakage may be caused by drilling.									
Run #2: Same as Run #1, Competent.									
Run #3: Same as Run #1, Competent.									

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-02 SHEET 1 OF 1 DATE STARTED: 1/9/00 DATE COMPLETED: 1/11/00							
PROJECT NAME: BARTON SITE NAME: BR 161 STATION: I+260.30 GROUND EL.: 300.57		PROJECT NUMBER: STP 01135815 SITE NO.: US Rt.5 OFFSET: 0.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: R. TALLMAN DRILLER: R. YOUNG LOGGER: K. 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, SiGrSa, brn, Moist rec.=0.20m	9	15.2	26.2	52.9	20.9		
		A-1-b, SaGr, brn, Moist rec.=0.18m	19	13.4	42.7	40.8	16.5		
5		A-2-4, SiSa, brn, Moist, rec.=0.40m	58	13.9	1.4	69.4	29.2		
		A-4, SiSa, brn-gry, Moist, rec.=0.30m	R	16.5	0.6	51	48.4		
		A-4, SiSa, brn-gry, Moist, rec.=0.24m	R	13.7	1.8	57.6	40.6		
		A-4, SiSa, gry, Moist, rec.=0.15m	R	14.6	3.2	51.1	45.7		
10		A-4, SiSa, gry, Moist, rec.=0.15m	R	13.9	3.5	51.7	44.8		
		BXDC 11.00m-11.65m, Boulders BXDC 11.00m-11.65m, Boulders							
		Top of Bedrock at 11.88m							
		RUN#1: BXMDC 11.88-13.40m rec.=1.33m, Seam at 12.63-12.70m See Geologist's Report	1	88	80				
		RUN#2: BXMDC 13.40-14.92m rec.=1.52m, See Geologist's Report.	2	100	100				
		Hole stopped at 14.92m							
GEOLOGISTS REPORT:									
Run #1: Granite, Very hard, Unweathered, Competent.									
Run #2: Granite, Very hard, Unweathered, Competent.									

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-03 SHEET 1 OF 2 DATE STARTED: 12/21/99 DATE COMPLETED: 12/23/99							
PROJECT NAME: BARTON SITE NAME: BR 161 STATION: I+268.50 GROUND EL.: 300.34		PROJECT NUMBER: STP 01135815 SITE NO.: US Rt.5 OFFSET: 0.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: R. TALLMAN DRILLER: K. RUSSELL LOGGER: 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 Recovery.							
		A-2-4, Sa, brn, Moist, rec.=0.26m	8	17	19.6	62.1	18.3		
5		A-2-4, SiSa, brn, Moist rec.=0.33m	27	13.3	6.7	70.6	22.7		
		A-2-4, SiSa, brn, Moist rec.=0.45m	57	15	1.7	71.4	26.9		
		A-4, SiSa, brn-gry, Moist rec.=0.22m	R	14	4.5	52.3	43.2		
		A-4, SiSa HP, gry, Moist, rec.=0.06m	R	13.8	12.1	44.3	43.6		
10		A-4, SaSi HP, gry, Moist, rec.=0.10m	R	15.1	10.6	43.8	45.6		
		Top of Bedrock at 12.34m							
		RUN#1: BXMDC 12.34m-13.84m rec.=1.24m, Seam# 13.25m-13.43m. See Geologist's Report	1	83	55				
		RUN#2: BXMDC 13.84m-15.36m rec.=1.52m See Geologist's Report	2	100	98				
		Hole stopped at 15.36m							
GEOLOGISTS REPORT:									
Run #1: Granite, Very hard, Unweathered. Rock is competent but core run encountered moderately spaced jointing.									
Run #2: Same as Run #1, Competent.									

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-05 SHEET 1 OF 2 DATE STARTED: 3/21/00 DATE COMPLETED: 3/21/00							
PROJECT NAME: BARTON SITE NAME: BR 161 STATION: I+272.30 GROUND EL.: 304.043		PROJECT NUMBER: STP 01135815 SITE NO.: US Rt.5 OFFSET: 8.50 G.W. DEPTH:							
BORING CREW CREW CHIEF: R. MCGLYNN DRILLER: E. CHABOT LOGGER: R. YOUNG ADDITIONAL CREW: K. RUSSELL		BORING RIG: TRUCK 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
		0.0m-0.19m, Asphalt							
		A-2-4, GrSiSa, brn, Moist rec.=0.21m	17	13.8	21.8	52.2	26		
		A-1-b, SiGrSa, brn/gry, Moist rec.=0.19m	53	10.9	29.2	49.6	21.2		
5		A-1-b, GrSa, brn, Dry, rec.=0.21m	62	9.8	36.7	44.9	18.4		
		A-1-b, GrSa, lt. brn, Moist rec.=0.24m	65	10.3	43.3	44.1	12.6		
		A-1-a, SaGr, brn, Dry, rec.=0.10m	R	8.1	66.4	24.6	9		
		A-2-4, Sa, brn-gry, Moist rec.=0.33m	32	17	8.6	79.1	12.3		
10		A-4, SiSa, dk. gry, Moist rec.=0.58m	9	16.8	2.1	58.7	39.2		
		A-4, SaSi, gry, Moist, rec.=0.48m	63	16.4	1.9	46.7	51.4		
		A-2-4, SiSa, gry, Moist rec.=0.24m	R	15	13.9	65.7	20.4		
GEOLOGISTS REPORT:									

PROJECT: BARTON	PROJECT NO.: STP 0113-58 (S)
DESIGN FILE NAME: /matres/96c116/mc116bor.dgn	PLOT DATE:
DATE: 04/06/00	DRAWN BY: CHAD A. ALLEN
SQUAD LEADER: CHRISTOPHER C. BENDA	SHEET: 32 OF 120

