



**STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION**

HOLE NO.: B-3  
SHEET 1 OF 1  
DATE STARTED: 4/26/01  
DATE COMPLETED: 5/2/01

PROJECT NAME: CASTLETON  
SITE NAME: BR 8  
STATION: 219+80.00  
GROUND EL.: 434.07

PROJECT NUMBER: RS 0142 (10)  
SITE NO.: VT 4A  
OFFSET: 15.00  
G.W. DEPTH: See DRILLER'S NOTES

BORING CREW: TALLMAN  
CREW CHIEF: TALLMAN  
DRILLER: TALLMAN  
LOGGER: RUSSELL

BORING RIG: SKID RIG  
BORING TYPE: WASH BORE  
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		BXDC, 2.0'-4.5', Fill material.	R						
5-10		No Rec. Stone in Sample (barrel, Poss. Fill)	R						
10		BXDC, 7.5'-10.0', Boulders	R						
10-15		A-1-a, 10.0'-12.0', Boulders, No Rec.	R						
15		A-1-a, SaGr, brn, Moist, Rec. = 0.50'	6	13.2	58.7	29.8	11.5		
20		A-1-a, SaGr, brn, Moist, Rec. = 0.60'	13	12.2	61.4	32.2	6.4		
25		No Rec., Stone in end of sample barrel.	32						
30		BXDC, 29.0'-30.0'	R	8.3	31.1	28.1	40.8		
30-35		A-4, SaGrSi, gry, Dry, Rec. = 0.80'	R						
35		A-4, GrSaSi, gry, Dry, Rec. = 0.75'	R	9.8	26.3	28.3	45.4		
40		A-4, SaGrSi, gry, Moist, Rec. = 1.05'	R	10.6	31.1	21.6	47.3		
40-45		Run#1: BXMDC, 43.5'-48.5', Rec. = 1.35', See Geologist's Report.	1	27	27	85			
45-50		Run#2: BXMDC, 48.5'-53.5', Rec. = 1.50', See Geologist's Report.	2	30	30	85			
50-55		Run#3: BXMDC, 53.5'-58.5', Rec. = 3.00', See Geologist's Report.	3	60	60	85			
55-60		Hole stopped @ 58.5'							

DRILLER'S NOTES:  
1. 05/03/01 - No water table determined, Hole caved in at 10.0'.  
2. No seams encountered during coring.  
3. Coring time averaged 2hrs for every 5ft.

GEOLOGIST'S REPORT:  
Run#1: Light gray slate, Medium hard, Unweathered, Poor recovery and bad ROD due to difficulty drilling steeply dipping beds.  
Run#2: Same as Run#1, but quartz vein at top of Run, Poor recovery and ROD due to difficulty drilling steeply dipping beds.  
Run#3: Same as Run#1, Poor recovery and ROD due to difficulty drilling steeply dipping beds.

**STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION**

HOLE NO.: B-4  
SHEET 1 OF 1  
DATE STARTED: 5/8/01  
DATE COMPLETED: 5/16/01

PROJECT NAME: CASTLETON  
SITE NAME: BR 8  
STATION: 220+50.00  
GROUND EL.: 437.07

PROJECT NUMBER: RS 0142 (10)  
SITE NO.: VT 4A  
OFFSET: -15.00  
G.W. DEPTH: 12.40

BORING CREW: TALLMAN  
CREW CHIEF: TALLMAN  
DRILLER: TALLMAN  
LOGGER: RUSSELL

BORING RIG: SKID RIG  
BORING TYPE: WASH BORE  
SAMPLE TYPE: SPLIT BARREL

DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-1-a, Gr, gry-brn, Dry, Rec. = 0.80', Possible Fill Material	7	4.8	74.9	18.6	6.5		
10		A-1-a, SaGr, brn, Moist, Rec. = 0.30'	8	12	60.7	27.7	11.6		
15		CONCRETE 13.0'-16.0', Visual Classification: Concrete Poss. Abutment Footing.							
20		BXDC, 18.5'-20.0', Cleanout casing	33	10.7	24.4	33.3	42.3		
25		A-4, GrSaSi HP, gry, Moist, Rec. = 1.0'	36	9.4	36.1	23	40.9		
30		A-4, GrSaSi HP, gry, Moist, Rec. = 1.25'	39	10.3	22	24.2	53.8	19	4
35		A-4, SaGrSi HP, gry, Moist, Rec. = 0.75'	84	10.5	29.9	23	47.1	20	5
40		A-4, GrSi HP, gry, Moist, Rec. = 0.65'	50	12.3	28.3	19.1	52.6	20	5
45		No Rec.	80						
45-50		Run#1: BXMDC, 48.5'-53.5', Rec. = 1.60', See Geologist's Report.	1	32	32	50			
50-55		Run#2: BXMDC, 53.5'-58.5', Rec. = 1.90', See Geologist's Report.	2	38	38	50			
55-60		Run#3: BXMDC, 58.5'-63.5', Rec. = 2.05', See Geologist's Report.	3	41	41	50			
60-65		Hole stopped @ 63.5'							

DRILLER'S NOTES:  
1. No seams encountered during coring.  
2. Coring time averaged 2hrs for every 5ft.

GEOLOGIST'S REPORT:  
Run#1: Purple slate, Medium hard, Unweathered, Poor recovery and ROD due to difficult drilling steeply dipping beds.  
Run#2: Same as Run#1, Poor recovery and ROD due to difficult drilling steeply dipping beds.  
Run#3: Same as Run#1, Poor recovery and ROD due to difficult drilling steeply dipping beds.

SURVEYED BY: J. TOUCHETTE DATE: 05/01  
DRAWN BY: J. TOUCHETTE DATE: 05/01  
SQUAD LEADER: C.C. BENDA  
DESIGN FILE NO.: /matres/78f193/mf193bor.dgn  
IPARM FILE: DATE PLOTTED: 09-FEB-2007

BORING LOGS  
78f193/str/sf193bo2.i

PROJ. NAME: CASTLETON  
PROJ. NO.: RS 0142 (10)  
SHEET 38 OF 68 SHEETS