

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 042 (10)  
SITE NO.: VT 4A  
OFFSET: -15.00  
G.W. DEPTH: 12.40

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

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

| DEPTH | SYMBOL | CLASSIFICATION OF MATERIALS<br>(described)   | BLOCKS<br>PER<br>FOOT | M.C.<br>% | GRAVEL<br>% | SAND<br>% | FINES<br>% | LL | PI |
|-------|--------|--|-----------------------|-----------|-------------|-----------|------------|----|----|
| 5     |        | A-1-a, Gr, gry-brn,<br>Dry, Rec. = 0.80'<br>Possible Fill Material   | 7                     | 4.8       | 74.9        | 18.6      | 6.5        |    |    |
| 10    |        | A-1-a, SaGr, brn,<br>Moist, Rec. = 0.30'   | 8                     | 12        | 60.7        | 27.7      | 11.6       |    |    |
| 15    | CONCRE | 13.0' - 16.0', Visual<br>Classification: Concrete<br>Poss. Abutment Footing  |                       |           |             |           |            |    |    |
| 20    |        | BXDC, 18.5' - 20.0',<br>Cleanout casing  | 33                    | 10.7      | 24.4        | 33.3      | 42.3       |    |    |
| 25    |        | A-4, GrSaSI HP, gry,<br>Moist, Rec. = 1.0'   | 36                    | 9.4       | 36.1        | 23        | 40.9       |    |    |
| 30    |        | A-4, SaGrSI HP, gry,<br>Dry, Rec. = 0.65'  | 39                    | 10.3      | 22          | 24.2      | 53.8       | 19 | 4  |
| 35    |        | A-4, GrSaSI HP, gry,<br>Moist, Rec. = 1.25'  | 84                    | 10.5      | 29.9        | 23        | 47.1       | 20 | 5  |
| 40    |        | A-4, GrSI HP, gry,<br>Moist, Rec. = 0.65'  | 50                    | 12.3      | 28.3        | 19.1      | 52.6       | 20 | 5  |
| 45    |        | No Rec.  | 80                    |           |             |           |            |    |    |
|       |        | Top of bedrock @ 48.5'   |                       |           |             |           |            |    |    |
| 50    |        | Run#1: BXMDC, 48.5' - 53.5',<br>Rec. = 1.60',<br>See Geologist's Report.   | RUN                   | REC%      | RQD%        | Dip°      |            |    |    |
|       |        |  | 1                     | 32        | 32          | 50        |            |    |    |
| 55    |        | Run#2: BXMDC, 53.5' - 58.5',<br>Rec. = 1.90',<br>See Geologist's Report.   | 2                     | 38        | 38          | 50        |            |    |    |
| 60    |        | Run#3: BXMDC, 58.5' - 63.5',<br>Rec. = 2.05',<br>See Geologist's Report.   | 3                     | 41        | 41          | 50        |            |    |    |
| 65    |        | Hole stopped @ 63.5'   |                       |           |             |           |            |    |    |
| 70    |        | <b>DRILLER'S NOTES:</b>  |                       |           |             |           |            |    |    |
|       |        | 1. No seams encountered during coring.   |                       |           |             |           |            |    |    |
|       |        | 2. Coring time averaged 2hrs for every 5ft.  |                       |           |             |           |            |    |    |
| 80    |        | <b>GEOLOGIST'S REPORT:</b>   |                       |           |             |           |            |    |    |
|       |        | Run#1: Purple slate, Medium hard, Unweathered,<br>Poor recovery and RQD due to difficult<br>drilling steeply dipping beds. |                       |           |             |           |            |    |    |
|       |        | Run#2: Same as Run#1, Poor recovery and RQD due to<br>difficult drilling steeply dipping beds.                             |                       |           |             |           |            |    |    |
|       |        | Run#3: Same as Run#1, Poor recovery and RQD due to<br>difficult drilling steeply dipping beds.                             |                       |           |             |           |            |    |    |