



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

BORING NUMBER: B-302
SHEET 1 of 1
DATE STARTED: 9/21/07
DATE COMPLETED: 9/25/07

PROJECT NAME: CAMBRIDGE
SITE NAME: VT-108
STATION: 10+250
OFFSET: 5.30
VTSPG: N 238875.36 m E 473789.39 m

PROJECT NUMBER: BRF 027-1(4)
SITE NUMBER: BR-21
GROUND ELEVATION: 140.36 m
GROUNDWATER DEPTH:
PROJECT PIN NUMBER: 78F163

BORING CREW
CREW CHIEF: PORTER
DRILLER: PORTER
LOGGER: WERNER

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

| DEPTH (m) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | BLOWS PER 300mm | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) |
|-----------|--------|--|-----------------|----------|------------|-----------|-----------------------|
| | | | RUN | REC (%) | RQD (%) | Dip (deg) | Drill Rate (min/0.3m) |
| | | Field Note, Asphalt pavement from 0.0m-0.15m | | | | | |
| | | A-1-b, SaGr, brn, Moist, Rec. = 0.39 m | 18 | 7.5 | 48.7 | 33.7 | 17.6 |
| 2 | | A-1-b, SaGr, brn, Wet, Rec. = 0.27 m | 21 | 13.8 | 46.9 | 37.0 | 16.1 |
| 4 | | A-4, SiSa, brn, Wet, Rec. = 0.36 m | 14 | 25.8 | 10.0 | 47.2 | 42.8 |
| | | A-2-4, Sa, brn, Wet, Rec. = 0.36 m | 8 | 21.8 | 3.0 | 77.8 | 19.2 |
| 6 | | A-1-b, SaGr, brn, Wet, Rec. = 0.42 m | 42 | 13.9 | 48.3 | 41.0 | 10.7 |
| 8 | | Field Note, NXDC, Cobbles, Cleaned out casing. | | | | | |
| 10 | | A-4, Si, gry, MTW, Rec. = 0.30 m | 7 | 25.0 | 0.0 | 18.4 | 81.6 |
| | | A-4, Si, gry, MTW, Rec. = 0.52 m | 3 | 28.7 | 0.0 | 16.3 | 83.7 |
| 12 | | A-4, Si, gry, Moist, Rec. = 0.30 m | 17 | 22.1 | 17.4 | 9.3 | 73.3 |
| 14 | | A-4, Si, gry, MTW, Rec. = 0.52 m | 9 | 29.9 | 0.4 | 2.5 | 97.1 |
| | | A-2-4, SaSiGr, gry/grn, Moist, Rec. = 0.24 m | 45 | 10.3 | 50.7 | 20.3 | 29.0 |
| 16 | | Dark gray, Amphibolite, Possible Boulder., Hard, Unweathered, NXMDC, 15.84 m - 16.00 m, Rec. = 1.31 m | 1 | 86 | 54 | 50 | 5 |
| | | Gray, Quartz-albite-muscovite schist, Competent below 16.52m. Lost drilling water at 16.2m. Drilling break from 16.48m-16.52m, Moderately hard, Unweathered, 16.00 m - 17.37 m | | | | | 6 |
| 18 | | Gray, Quartz-albite-muscovite schist, Competent, Moderately hard, Unweathered, NXMDC, 17.37 m - 18.89 m, Rec. = 1.45 m | 2 | 95 | 89 | 50 | 10 |
| | | Hole stopped @ 18.89 m | | | | | 12 |
| | | | | | | | 7 |
| | | | | | | | 10 |
| | | | | | | | 10 |
| | | | | | | | 9 |
| | | | | | | | 9 |

LOG OF BORING CAMBRIDGE BRF 027-1(4).CPJ VT AOT.GDT 4/17/08

Top of Bedrock @ 15.84 m