



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

BORING NUMBER: B-101  
SHEET 1 of 1  
DATE STARTED: 3/27/08  
DATE COMPLETED: 4/08/08

PROJECT NAME: CAMBRIDGE  
SITE NAME: VT-108  
STATION: 18+21  
OFFSET: 36.00  
VTSPG: N 778055.40 ft E 1554966.60 ft

PROJECT NUMBER: STP 0235(9)  
SITE NUMBER: MM 8.0 SOIL SLOPE  
GROUND ELEVATION: 640.0 ft  
GROUNDWATER DEPTH: 8.4 ft 4/02/08  
PROJECT PIN NUMBER: 07C152

BORING CREW  
CREW CHIEF: GARROW  
DRILLER: GARROW  
LOGGER: MALMATONIC

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

| DEPTH (ft)                      | SYMBOL | CLASSIFICATION OF MATERIALS (Description)   | WELL DIAGRAM | BLOWS PER FOOT | M.C. (%) | GRAVEL (%) | SAND (%)  | FINES (%)           | LL (%) | PI (%) |
|---------------------------------|--------|---|--------------|----------------|----------|------------|-----------|---------------------|--------|--------|
|                                 |        |   |              | RUN            | REC (%)  | RQD (%)    | Dip (deg) | Drill Rate (min/ft) |        |        |
| Top of Well Elevation: 642.0 ft |        |   |              |                |          |            |           |                     |        |        |
|                                 |        | A-1-b, GrSa, brn, Moist, Rec. = 0.5 ft  |              | 2              | 23.7     | 28.3       | 53.2      | 18.5                |        |        |
|                                 |        | A-4, SiSa, brn, Moist, Rec. = 0.6 ft  |              | 6              | 25.3     | 9.7        | 49.2      | 41.1                |        |        |
|                                 |        | Visual Classification, Broken rock with sandy silt, gry, Moist, Rec. = 0.2 ft, Insufficient sample for testing.   |              | 9              |          |            |           |                     |        |        |
|                                 |        | A-2-4, GrSiSa, brn, Moist, Rec. = 0.4 ft  |              | 5              | 20.1     | 20.0       | 46.7      | 33.3                |        |        |
|                                 |        | A-2-4, GrSiSa, brn, Moist, Rec. = 0.7 ft  |              | 6              | 15.4     | 22.7       | 53.5      | 23.8                |        |        |
| 10                              |        | A-1-b, GrSa, gry, Moist, Rec. = 0.7 ft  |              | 12             | 11.9     | 34.1       | 48.7      | 17.2                |        |        |
|                                 |        | Field Class., NXDC, Cobbles   |              |                |          |            |           |                     |        |        |
|                                 |        | Field Note, No recovery   |              | 18             |          |            |           |                     |        |        |
|                                 |        | A-4, Si, gry, Moist, Rec. = 1.3 ft  |              | 19             | 25.6     | 0.0        | 2.0       | 98.0                |        |        |
|                                 |        | A-4, Si, gry, Moist, Rec. = 1.3 ft  |              | 18             | 27.1     | 0.0        | 2.6       | 97.4                | 26     | 5      |
| 20                              |        | A-7-6, Cl, gry, Moist, Rec. = 0.25 ft   |              | 8              | 35.1     | 0.0        | 1.9       | 98.1                | 43     | 20     |
|                                 |        | A-7-6, SiCl, gry, Moist, Rec. = 1.7 ft  |              | 16             | 29.6     | 0.0        | 7.4       | 92.6                | 42     | 19     |
|                                 |        | A-6, SiCl, gry, Moist, Rec. = 1.9 ft  |              | 19             | 27.6     | 0.0        | 5.2       | 94.8                | 35     | 14     |
|                                 |        |   |              |                |          |            |           |                     |        |        |
| 30                              |        | A-1-b, SaGr, gry-brn, Moist, Rec. = 1.5 ft  |              | 77             | 9.6      | 46.2       | 37.4      | 16.4                |        |        |
|                                 |        |   |              |                |          |            |           |                     |        |        |
|                                 |        | A-2-4, GrSa, gry-brn, Moist, Rec. = 1.1 ft  |              | 57             | 14.6     | 30.6       | 53.7      | 15.7                |        |        |
|                                 |        |   |              |                |          |            |           |                     |        |        |
|                                 |        |   |              |                |          |            |           |                     |        |        |
|                                 |        |   |              |                |          |            |           |                     |        |        |
| 40                              |        | Green-gray-silver, Chlorite-quartz-muscovite phyllitic schist, Moderately hard, Unweathered, NXMDC, 39.2 ft - 41.2 ft, Rec. = 1.0 ft  |              | 1              | 50       | 25         | 55        | 17                  |        |        |
|                                 |        |   |              | 2              | 100      | 95         | 55        | 14                  |        |        |
|                                 |        | Green-gray-silver, Chlorite-quartz-muscovite phyllitic schist, Core contains a thin vein of magnetite and numerous magnetite porphyroblasts., Moderately hard, Unweathered, NXMDC, 41.2 ft - 46.2 ft, Rec. = 5.0 ft |              | 3              | 100      | 100        | 55        | 20                  |        |        |
|                                 |        |   |              |                |          |            |           | 20                  |        |        |
|                                 |        |   |              |                |          |            |           | 25                  |        |        |
|                                 |        |   |              |                |          |            |           | 13                  |        |        |
|                                 |        |   |              |                |          |            |           | 15                  |        |        |
| 50                              |        | Green-gray-silver, Chlorite-quartz-muscovite phyllitic schist, Core contains numerous magnetite porphyroblasts., Moderately hard, Unweathered, NXMDC, 46.2 ft - 49.2 ft, Rec. = 3.0 ft                              |              |                |          |            |           | 14                  |        |        |
|                                 |        |   |              |                |          |            |           | 14                  |        |        |
|                                 |        |   |              |                |          |            |           | 20                  |        |        |
|                                 |        | Hole stopped @ 49.2 ft  |              |                |          |            |           |                     |        |        |
|                                 |        | DRILLER'S NOTES:<br>1. An inclinometer was installed to 48.4 ft.<br>2. Top of inclinometer casing is 2.0 ft above ground surface.   |              |                |          |            |           |                     |        |        |
| 60                              |        |   |              |                |          |            |           |                     |        |        |

LOG OF BORING CAMBRIDGE STP 0235(9).GPJ VT AOT.GDT 8/25/08