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

BORING NUMBER: BB-06
SHEET 1 of 2
DATE STARTED: 9/25/09
DATE COMPLETED: 9/30/09

PROJECT NAME: COVENTRY
SITE NAME: RAILROAD
STATION: SEE BORING PLAN
OFFSET: 12' WEST
VTSPG NAD83: N 852845.30 ft E 1716501.00 ft

PROJECT NUMBER: WACR BR.561 & 562
SITE NUMBER:
GROUND ELEVATION: 700.0 ft
GROUNDWATER DEPTH: * SEE NOTE
PROJECT PIN NUMBER: 09G114

BORING CREW
CREW CHIEF: PORTER
DRILLER: PORTER
LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #10 w/AUTO HAMMER
BORING TYPE: WASH BORE
SAMPLE TYPE: AUGER
CHECKED BY: CEE

| DEPTH (ft) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | N VALUE | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) | LL (%) | PI (%) |
|---|---|---|---|---|---|---|---|---|---|
| | | A-2-4, SiSa, brn, Wet, Rec. = 0.5 ft | 4 | 22.9 | 8.8 | 57.8 | 33.4 | | |
| | | Visual Classification, Si, Rec. = 0.2 ft, Insufficient sample for testing. | 2 | | | | | | |
| 10 | | Field Note:, No Recovery | WH | | | | | | |
| | | A-3, Sa, gry, Wet, Rec. = 0.9 ft | 7 | 29.8 | 0.5 | 91.8 | 7.7 | | |
| 20 | | Field Note:, Wood, 21 ft – 22.4 ft<br>A-1-b, GrSa, gry, Wet, Rec. = 1.0 ft | 8 | 23.5 | 25.0 | 65.8 | 9.2 | | |
| | | Visual Classification, SiSaGr, gry, Wet, Rec. = 0.5 ft | 6 | | | | | | |
| 30 | | A-4, Si, gry, Wet, Rec. = 1.9 ft | 2 | 33.0 | 0.0 | 1.2 | 98.8 | 28 | 5 |
| 40 | | Field Note:, Pushed vane 2.0 ft.<br>Vane Shear 510/50 psf, 38.3 ft – 39.0 ft | | | | | | | |
| | | Visual Classification, ClSi, gry, Wet, Rec. = 2.0 ft | 2 | 36.1 | | | | | |
| 50 | | A-6, SiCl, gry, Wet, Rec. = 1.3 ft | 1 | 36.7 | 0.0 | 1.2 | 98.8 | 33 | 11 |
| 60 | | Field Note:, Pushed vane 2.0 ft.<br>Vane Shear 680/120 psf, 58.3 ft – 59.0 ft<br>A-6, SiCl, gry, Wet, Rec. = 1.8 ft | 6 | 36.0 | 0.0 | 0.7 | 99.3 | 36 | 11 |
| 70 | | | | | | | | | |
| 80 | | Field Note:, Pushed vane 2.0 ft.<br>Vane Shear 800/450 psf, 78.3 ft – 79.0 ft<br>A-4, ClSi, gry, Wet, Rec. = 0.9 ft | 7 | 27.4 | 0.0 | 4.9 | 95.1 | 28 | 9 |

LOG OF BORING COVENTRY RR WACR BR562.GPJ VT AOT.GDT 7/19/11

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SUBSURFACE INFORMATION

BORING NUMBER: BB-06
SHEET 2 of 2
DATE STARTED: 9/25/09
DATE COMPLETED: 9/30/09

PROJECT NAME: COVENTRY
SITE NAME: RAILROAD
STATION: SEE BORING PLAN
OFFSET: 12' WEST
VTSPG NAD83: N 852845.30 ft E 1716501.00 ft

PROJECT NUMBER: WACR BR.561 & 562
SITE NUMBER:
GROUND ELEVATION: 700.0 ft
GROUNDWATER DEPTH: * SEE NOTE
PROJECT PIN NUMBER: 09G114

BORING CREW
CREW CHIEF: PORTER
DRILLER: PORTER
LOGGER: MAHMUTOVIC

BORING RIG: LAG TRACK RIG #10 w/AUTO HAMMER
BORING TYPE: WASH BORE
SAMPLE TYPE: AUGER
CHECKED BY: CEE

| DEPTH (ft) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | N VALUE / RUN | M.C. (%) / REC (%) | GRAVEL (%) / RQD (%) | SAND (%) / Dip (deg) | FINES (%) / Drill Rate (min/ft) | LL (%) | PI (%) |
|---|---|---|---|---|---|---|---|---|---|
| 90 | | | | | | | | | |
| | | Pushed vane 2.0 ft., 97.0 ft – 98.3 ft<br>Vane Shear 1400/500 psf, 98.3 ft – 99.0 ft<br>A-4, Si, gry, Wet, Rec. = 1.8 ft, Advanced casing to bedrock. | 2 | 28.1 | 0.0 | 18.8 | 81.2 | | |
| 100 | | | | | | | | | |
| 110 | | | | | | | | | |
| 120 | | | | | | | | | |
| 130 | | | | | | | | | |
| | | Top of Bedrock @ 134.5 ft | | | | | | | |
| | | 134.5 ft – 139.5 ft, Gray, Meta-Limestone, Hard, Unweathered, NXMDC, with thin quartz vein, Competent | 1 | 90 | 84 | 45 | 8<br>7<br>8<br>9<br>8 | | |
| 140 | | 139.5 ft – 144.5 ft, Gray, Meta-Limestone, Hard, Unweathered, NXMDC, with thin quartz vein, Competent | 2 | 100 | 99 | 45 | 6<br>6<br>6<br>6<br>6 | | |
| | | Hole stopped @ 144.5 ft | | | | | | | |
| 150 | | | | | | | | | |
| 160 | | | | | | | | | |

DRILLER'S NOTES:
1. Vane used was 3x6 inches.
2. Vane Shear = Initial/Remold

* There was a large variance every day for a water table. It depended on the material we were drilling in and at what depth. Water table was possibly at river depth.

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