



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

BORING NUMBER: B-212
SHEET 1 of 2
DATE STARTED: 10/09/09
DATE COMPLETED: 10/23/09

PROJECT NAME: NEWPORT
SITE NAME: SLIDE
STATION: 115+32
OFFSET: 555.00
VTSPG NAD83: N 888619.76 ft E 1721454.52 ft

PROJECT NUMBER: STP 1343(22)
SITE NUMBER: VT 191
GROUND ELEVATION: 721.40 See Note #3
GROUNDWATER DEPTH: See Driller's Notes
PROJECT PIN NUMBER: 07B156

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

BORING RIG: LAG TRACK RIG #10 w/AUTO HAMMER
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL & TUBE
CHECKED BY: CAA

| DEPTH (ft) | SYMBOL | CLASSIFICATION OF MATERIALS (Description) | WELL DIAGRAM | N VALUE | M.C. (%) | GRAVEL (%) | SAND (%) | FINES (%) | LL (%) | PI (%) |
|------------|--------|---|--------------|---------|----------|------------|----------|-----------|--------|--------|
| | | | | | | | | | | |
| 6 | | A-2-4, SiSaGr, brn, Wet, Rec. = 1.0 ft | | 6 | 20.3 | 38.4 | 32.8 | 28.8 | | |
| 10 | | A-6, SiCl, gry, Moist, Rec. = 1.4 ft | | 14 | 28.1 | 0.6 | 8.5 | 90.9 | 37 | 12 |
| | | A-4, CiSi, gry, Wet, Rec. = 0.6 ft | | 27 | 26.0 | 3.7 | 14.3 | 82.0 | 30 | 10 |
| 20 | | A-4, SaSi, gry, Wet, Rec. = 1.5 ft | | 21 | 14.7 | 15.4 | 39.6 | 45.0 | 18 | 2 |
| | | A-4, Si, gry, Wet, Rec. = 1.6 ft | | 18 | 24.2 | 7.5 | 19.1 | 73.4 | 23 | 3 |
| 30 | | A-4, Si, gry, Wet, Rec. = 1.8 ft | | 20 | 28.5 | 0.0 | 1.1 | 98.9 | 27 | 4 |
| | | Shelby Tube, Rec. = 1.4 ft, 30.0 ft - 31.4 ft, R @ 31.4' 600 psl | | | | | | | | |
| | | A-4, Si, gry, Moist, Rec. = 1.3 ft | | 28 | 17.2 | 8.7 | 17.5 | 73.8 | | |
| 40 | | A-7-6, Cl, gry, Moist, Rec. = 1.4 ft | | 21 | 30.2 | 0.0 | 1.0 | 99.0 | 49 | 22 |
| | | SiCl Shelby Tube, gry, Moist, Rec. = 1.5 ft, 40.0 ft - 41.5 ft, R @ 41.5' | | | | | | | | |
| | | A-1-b, Sa, gry, Wet, Rec. = 1.7 ft | | 46 | 17.5 | 11.4 | 69.9 | 18.7 | | |
| 50 | | A-4, GrSi, gry, Wet, Rec. = 0.9 ft | | 42 | 19.8 | 23.0 | 19.4 | 57.6 | | |
| | | A-7-6, Cl, gry, Wet, Rec. = 1.6 ft | | 10 | 37.3 | 0.0 | 2.9 | 97.1 | 59 | 30 |
| | | SiCl Shelby Tube, gry, Wet, Rec. = 1.8 ft, 55.0 ft - 57.0 ft | | | | | | | | |
| 60 | | A-7-6, Cl, gry, Moist, Rec. = 1.6 ft, Varved material | | 14 | 33.9 | 0.0 | 0.8 | 99.2 | 59 | 30 |
| | | Cl Shelby Tube, gry, Moist, Rec. = 1.5 ft, 60.0 ft - 62.0 ft | | | | | | | | |
| | | A-7-6, Cl, gry, Moist, Rec. = 2.0 ft, Varved material | | 14 | 34.4 | 0.0 | 1.2 | 98.8 | 54 | 24 |
| 70 | | SiCl Shelby Tube, gry, Moist, Rec. = 1.4 ft, 65.0 ft - 67.0 ft | | | | | | | | |
| | | A-6, SiCl, gry, Moist, Rec. = 1.8 ft, Varved material | | 26 | 30.5 | 0.0 | 4.2 | 95.8 | 38 | 13 |
| | | A-4, Si, gry, Moist, Rec. = 1.5 ft | | 30 | 31.3 | 0.0 | 11.6 | 88.4 | | |

LOG OF BORING NEWPORT SLOPE STABILITY VT191.GPJ VT AOT.GDT 8/18/14



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|------------|--------|---|--------------|---------|----------|------------|-----------------------|-------------------------|--------|--------|
| | | | | RUN | REC (%) | RQD (%) | D _{lp} (deg) | Drill Rate (min/ft) | | |
| 80 | | A-4, Si, gry, Moist, Rec. = 1.8 ft | | 31 | 31.0 | 0.0 | 3.7 | 96.3 | | |
| | | A-4, Si, gry, Moist, Rec. = 2.0 ft | | 32 | 31.0 | 0.1 | 3.4 | 96.5 | | |
| 90 | | Visual Classification, Weathered Rock, gry, Wet, Rec. = 0.2 ft Field Note: NXDC, Cobbles, Cored ahead | | R | | | | | | |
| | | A-1-b, SiSaGr, gry, Wet, Rec. = 1.4 ft | | 80 | 15.5 | 41.2 | 38.2 | 20.6 | | |
| 100 | | A-4, GrSaSi, brn, Moist, Rec. = 1.4 ft | | 67 | 19.3 | 22.6 | 29.1 | 48.3 | | |
| | | Field Note: Boulder/Cobbles /Weathered Rock | | | | | | | | |
| | | 105.5 ft - 110.5 ft, Gray, Meta-Limestone, Hard, Unweathered, BXMD, Competent | | 1 | 96 | 36 | 50 | 9 10 9 9 10 | | |
| 110 | | Hole stopped @ 110.5 ft | | | | | | | | |
| 120 | | DRILLER'S NOTES: 1. Installed inclinometer to 105.5 ft. 2. Top of inclinometer is 2.5 ft. above ground surface. 3. Boring elevation approximated from contours on plan sheet. | | | | | | | | |
| 130 | | Ground water tables with dates: a. 1.9' on 10/14/09 (drilled to 28.0') b. 3.0' on 10/15/09 (drilled to 53.0') c. Overflow on 10/16/09 (drilled to 73.0' with casing 8.0' above ground) d. Overflow on 10/20/09 (drilled to 98.0' with casing 3.0' above ground) | | | | | | | | |
| 140 | | | | | | | | | | |

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