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|--|---------------------------|-----------------|--------------------------|------------|-------|--|
| Boring Crew: GARROW, SALISBURY | Type: WB | Casing: SS | Groundwater Observations | | | |
| Date Started: 2/08/12 Date Finished: 2/14/12 | I.D.: 4 in | Sampler: 1.5 in | Date | Depth (ft) | Notes | |
| VTSPG NAD83: N 206527.20 ft E 1572732.90 ft | Hammer Wt: N.A. | 140 lb. | 02/09/12 | 10.2 | AM | |
| Station: 121+79 Offset: -16.00 | Hammer Fall: N.A. | 30 in. | 02/14/12 | 14.7 | AM | |
| Ground Elevation: 680.3 ft | Hammer/Rod Type: Auto/AWJ | | | | | |
| | Rig: CME 45C TRACK | CE = 1.34 | | | | |

| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Run (Dip deg.) | Core Rec. (RQD %) | Drill Rate (min/ft) | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % | LL % | PI % |
|------------|------------|--|----------------|-------------------|---------------------|--------------------|--------------------|----------|--------|---------|------|------|
| | | A-1-a, SaGr, brn, Moist, Rec. = 0.9 ft, NXDC, Encountered Cobbles when advancing casing. | | | | 12-10-8-6 (18) | 10.1 | 58.1 | 32.2 | 9.7 | | |
| | | A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft, NXDC, Encountered Cobbles when advancing casing. | | | | 10-9-8-19 (17) | 12.2 | 43.0 | 43.9 | 13.1 | | |
| | | A-1-a, SaGr, brn, Moist, Rec. = 0.4 ft, NXDC, Encountered Cobbles when advancing casing. | | | | 2-5-5-5 (10) | 11.9 | 62.1 | 28.4 | 9.5 | | |
| | | A-1-b, GrSa, brn, Moist, Rec. = 0.9 ft, NXDC, Encountered Cobbles when advancing casing. | | | | 42-9-5-4 (14) | 16.5 | 38.8 | 47.9 | 13.3 | | |
| | | A-2-4, SiSa, brn, Moist, Rec. = 0.9 ft | | | | 3-2-1-1 (5) | 29.2 | 11.8 | 67.0 | 21.2 | | |
| | | A-1-b, GrSa, brn, MTW, Rec. = 0.9 ft | | | | 3-5-4-2 (9) | 18.3 | 44.4 | 49.4 | 6.2 | | |
| | | A-1-a, SaGr, brn, MTW, Rec. = 0.9 ft, NXDC, Encountered Cobbles when advancing casing. | | | | 4-10-13-10 (1.0) | 11.8 | 58.1 | 33.4 | 8.5 | | |
| | | A-4, SaSi, gry, Moist, Rec. = 0.8 ft | | | | 9-9-13-20 (22) | 18.7 | 15.2 | 29.4 | 55.4 | | |
| | | A-4, Si, gry, Moist, Rec. = 1.7 ft | | | | 15-17-20-30 (37) | 18.1 | 6.6 | 15.1 | 78.3 | 22 | 4 |
| | | A-4, Si, gry, Moist, Rec. = 2.0 ft | | | | 10-15-25-33 (40) | 21.9 | | 11.0 | 89.0 | | |
| | | A-4, Si, gry, MTD, Rec. = 1.9 ft | | | | 20-30-35-45 (63) | 19.6 | | 17.8 | 82.2 | | |
| | | A-4, Si, gry, MTD, Rec. = 1.9 ft | | | | 20-30-36-46 (66) | 19.4 | | 17.9 | 82.1 | | |
| | | A-4, SaSi, gry, MTD, Rec. = 1.8 ft | | | | 18-28-32-50 (60) | 18.4 | | 20.0 | 80.0 | | |
| | | A-4, SaSi, gry, Moist, Rec. = 2.0 ft | | | | 20-26-36-42 (62) | 21.5 | | 24.1 | 75.9 | | |
| | | A-4, Si, gry, Moist, Rec. = 2.0 ft | | | | 15-17-32-50 (49) | 21.0 | 1.0 | 15.9 | 83.1 | 23 | 2 |
| | | A-4, Si, gry, Moist, Rec. = 2.0 ft | | | | 27-24-27-24 (51) | 16.3 | | 17.0 | 83.0 | | |
| | | A-4, Si, gry, Moist, Rec. = 1.9 ft | | | | 22-32-42-53 (74) | 18.9 | 0.6 | 13.0 | 86.4 | | |
| | | A-4, SaSi, gry, Moist, Rec. = 1.8 ft | | | | 31-36-26-41 (62) | 21.5 | | 46.0 | 54.0 | | |
| | | A-4, Si, gry, MTD, Rec. = 1.0 ft | | | | 30-50-R00.0 | 15.7 | 3.5 | 17.5 | 79.0 | | |
| | | A-4, Si, gry, MTD, Rec. = 0.5 ft | | | | R06.0" | 16.4 | 0.6 | 14.5 | 84.9 | | |

Notes:
 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
 2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor.
 3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BOTTOM PILE CAP
EL. 673.00

BORING LOG - 2 JAMAICA ER-BRF 013-1(16).DPT VERMONT AOT.GDT 2/24/12

| | | | | | | |
|--|---------------------------|-----------------|--------------------------|------------|-------|--|
| Boring Crew: GARROW, SALISBURY | Type: WB | Casing: SS | Groundwater Observations | | | |
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| Ground Elevation: 680.3 ft | Hammer/Rod Type: Auto/AWJ | | | | | |
| | Rig: CME 45C TRACK | CE = 1.34 | | | | |

| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Run (Dip deg.) | Core Rec. (RQD %) | Drill Rate (min/ft) | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % | LL % | PI % |
|------------|------------|---|----------------|-------------------|---------------------|--------------------|--------------------|----------|--------|---------|------|------|
| | | A-4, SaSi, gry, MTD, Rec. = 0.9 ft | | | | 43-R04.5" | 16.4 | | 25.7 | 74.3 | | |
| | | A-4, Si, gry, MTD, Rec. = 1.0 ft | | | | 27-R06.0" | 20.1 | | 5.0 | 95.0 | | |
| | | A-4, SaSi, gry, MTD, Rec. = 0.9 ft | | | | 35-R06.0" | 15.5 | 2.7 | 21.6 | 75.7 | | |
| | | A-4, SaSi, gry, MTD, Rec. = 0.9 ft | | | | 32-R06.0" | 17.3 | 2.0 | 20.4 | 77.6 | | |
| | | A-4, SaSi, gry, MTD, Rec. = 1.0 ft | | | | 15-R06.0" | 16.1 | 7.1 | 23.3 | 69.6 | | |
| | | Field Note: NXDC, Cobbles & Gravel | | | | | | | | | | |
| | | A-2-4, GrSa, gry, Moist, Rec. = 0.7 ft, Broken Rock was within sample. Field Note: NXDC, Boulder | | | | 9-75-R02.5" | 17.1 | 35.4 | 53.8 | 10.8 | | |
| | | 93.2 ft - 98.2 ft, Buff white, Dolomitic Marble, Hard, Unweathered, Good rock, NXMDC, RMR = 72 | 1 (?) | 100 (64) | 12 | | | | | | | |
| | | 98.2 ft - 103.2 ft, Buff white, Dolomitic Marble, Hard, Unweathered, Good rock, NXMDC, RMR = 72 | 2 (?) | 100 (62) | 5 | | | | | | | |
| | | Hole stopped @ 103.2 ft | | | | | | | | | | |

Notes:
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 2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor.
 3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

PILE TIP
EL. 587.00

BORING LOG - 2 JAMAICA ER-BRF 013-1(16).DPT VERMONT AOT.GDT 2/24/12