

| VTTrans Working to Get You There Vermont Agency of Transportation | | STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY | | BORING LOG | | Boring No.: B-101 | | | | |
|--|------------|---|----------------|----------------------------|-----------------------|--------------------------|--------------------|----------|--------|---------|
| | | Poultney BF0138(12) SNR140 (TH-2) Br. #2 | | Page No.: 1 of 1 | | Pin No.: 13J276 | | | | |
| Boring Crew: Whitlock, Judkins, Coletti | | Casing: WB | | Sampler: SS | | Groundwater Observations | | | | |
| Date Started: 5/19/16 Date Finished: 5/19/16 | | I.D.: 4 in 1.5 in | | Date: 05/19/16 | | Depth (ft): 9.8 | | | | |
| VTSPG NAD83: N 375622.30 ft E 1456508.91 ft | | Hammer Wt: N.A. 140 lb. | | Notes: W.T. after drilling | | | | | | |
| Station: 114+50 Offset: -11.00 | | Hammer Fall: N.A. 30 in. | | | | | | | | |
| Ground Elevation: 537.0 ft | | Hammer/Rod Type: Auto/AWJ | | | | | | | | |
| | | Rig: CME 45C SKID | | C _u = 1.42 | | | | | | |
| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Run (Dip deg.) | Core Rec. % (RQD %) | Drill Rate minutes/ft | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
| 2.5 | | A-1-b, GrSa, brn, Moist, Rec. = 0.7 ft | | | | 1-2-3-4 (5) | 9.0 | 37.4 | 46.6 | 16.0 |
| | | A-1-a, SaGr, brn-gry, Moist, Rec. = 0.9 ft, Lab Note: Broken rock was within sample. | | | | 5-5-9-7 (14) | 7.8 | 60.4 | 29.6 | 10.0 |
| 5.0 | | A-1-a, SaGr, brn-gry, Moist, Rec. = 0.7 ft, Lab Note: A lot of broken rock was within sample. Field Note:, Rollercone, Cleaned out casing | | | | 3-7-5-2 (12) | 6.3 | 66.0 | 25.7 | 8.3 |
| 7.5 | | A-1-a, SaGr, gry-brn, Moist, Rec. = 1.2 ft, Lab Note: A lot of broken rock was within sample. Field Note:, Rollercone, Cleaned out casing | | | | 3-5-5-16 (10) | 11.3 | 61.4 | 26.7 | 11.9 |
| | | A-1-b, SaGr, brn-gry, Moist, Rec. = 1.0 ft, Lab Note: Broken rock was within sample. Field Note:, Rollercone, Cleaned out casing | | | | 25-26-30-R@3.5" (56) | 9.6 | 48.9 | 34.7 | 16.4 |
| 10.0 | | A-1-b, SaGr, gry-brn, Moist, Rec. = 0.8 ft, Lab Note: Broken rock was within sample. Field Note:, Rollercone, Cleaned out casing | | | | 17-50-R@0" (R) | 10.5 | 56.3 | 27.6 | 16.1 |
| 12.5 | | 11.5 ft - 16.5 ft, Light gray/green, PHYLLITE, with calcite and quartz veins. Slightly vuggy around calcite veins. Brown and light orange staining along joints and broken surfaces. Massive quartz vein at 16.2 to 16.5 feet. Quarts vein is very hard, very slightly weathered. Soft, Moderately weathered, Poor rock, NX, RMR=31 | 1 (55) | 54 (15) | 2 | Top of Bedrock @ 11.5 ft | | | | |
| 15.0 | | 16.5 ft - 19.5 ft, Gray to light green, PHYLLITE, with quartz veins and rare vugs. Minor brown staining along joints. Moderately hard, Slightly weathered, Fair rock, NX, RMR=41 | 2 (55) | 48 (17) | 6 | | | | | |
| 17.5 | | 19.5 ft - 19.7 ft, Light green, Vuggy PHYLLITE, with brown coating on vugs. Very hard, Slightly weathered, Fair rock, NX, RMR=49 | 3 (N/A) | 34 (24) | 8 | | | | | |
| 20.0 | | 19.7 ft - 21.5 ft, Pearly white, Massive vitreous QUARTZ, with plagioclase feldspar along joints. Orange and faint brown staining along joints. Very hard, Slightly weathered, Fair rock, RMR=49 | | | 11 | | | | | |
| 22.5 | | Hole stopped @ 21.5 ft | | | | | | | | |
| | | Remarks: Hole collapsed at 11.6 feet. | | | | | | | | |
| Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual. 2. N Values have not been corrected for hammer energy. C is the hammer energy correction factor. 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made. | | | | | | | | | | |

ABUTMENT 1 LT/RT
TOP OF
SUBFOOTING
EL 522.46
EL 520.51

BORING LOG 2 POULTNEY BF0138(12).GPJ VERMONT AOT.GDT 6/24/16

NOTE: PILE TIP ELEVATIONS ARE ESTIMATED (TYP). SEE NOTES FOR MINIMUM PILE LENGTH SPECIFICATIONS.

| VTTrans Working to Get You There Vermont Agency of Transportation | | STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY | | BORING LOG | | Boring No.: B-102 | | | | |
|--|------------|--|----------------|-----------------------------|-----------------------|--------------------------|--------------------|----------|--------|---------|
| | | Poultney BF0138(12) SNR140 (TH-2) Br. #2 | | Page No.: 1 of 1 | | Pin No.: 13J276 | | | | |
| Boring Crew: Whitlock, Judkins, Coletti | | Casing: WB | | Sampler: SS | | Groundwater Observations | | | | |
| Date Started: 5/20/16 Date Finished: 5/23/16 | | I.D.: 4 in 1.5 in | | Date: 05/23/16 | | Depth (ft): 17.7 | | | | |
| VTSPG NAD83: N 375593.15 ft E 1456534.86 ft | | Hammer Wt: N.A. 140 lb. | | Notes: W.T. before drilling | | | | | | |
| Station: 114+85 Offset: 6.00 | | Hammer Fall: N.A. 30 in. | | | | | | | | |
| Ground Elevation: 535.7 ft | | Hammer/Rod Type: Auto/AWJ | | | | | | | | |
| | | Rig: CME 45C SKID | | C _u = 1.42 | | | | | | |
| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Run (Dip deg.) | Core Rec. % (RQD %) | Drill Rate minutes/ft | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
| | | Asphalt Pavement, 0.0 ft - 1.23 ft | | | | | | | | |
| 5 | | A-1-b, SiGrSa, brn, Moist, Rec. = 0.9 ft, Lab Note: Broken rock was within sample | | | | 7-7-7-7 (14) | 10.3 | 34.9 | 44.7 | 20.4 |
| | | A-1-a, Gr, brn-gry, Moist, Rec. = 0.9 ft, Lab Note: A lot of broken rock was within sample | | | | 5-2-3-12 (5) | 1.8 | 77.9 | 17.5 | 4.6 |
| | | A-1-a, SaGr, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken rock and small metal pieces were within sample Field Note:, Rollercone, Cleaned out casing | | | | 5-17-15-7 (32) | 6.5 | 56.5 | 31.7 | 11.8 |
| | | Field Note:, No Recovery | | | | 3-2-1-1 (3) | | | | |
| 10 | | A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken rock was within sample Field Note:, Rollercone, Cleaned out casing | | | | 4-4-9-7 (13) | 9.5 | 66.0 | 22.1 | 11.9 |
| | | A-1-b, SiSaGr, brn-gry, Moist, Rec. = 0.7 ft, Lab Note: Broken rock was within sample Field Note:, Rollercone, Cleaned out casing | | | | 11-3-4-9 (7) | 16.2 | 46.0 | 29.0 | 25.0 |
| | | A-1-b, GrSa, brn-gry, Moist, Rec. = 0.8 ft Field Note:, Rollercone, Cleaned out casing | | | | 9-9-5-6 (14) | 10.9 | 44.2 | 44.3 | 11.5 |
| 15 | | A-1-a, SaGr, brn-gry, Moist, Rec. = 0.8 ft Field Note:, Rollercone, Cleaned out casing | | | | 6-4-6-8 (10) | 10.0 | 51.3 | 37.4 | 11.3 |
| | | Field Note:, No Recovery | | | | 2-1-1-1 (2) | | | | |
| 20 | | A-4, SiSa, brn, Moist, Rec. = 0.6 ft, Lab Note: A lot of sticks, twigs, and wood fibers were within sample | | | | 1-1-1-1 (2) | 77.9 | 3.3 | 50.2 | 46.5 |
| | | Field Note:, Rollercone, Cleaned out casing | | | | | | | | |
| 25 | | 24.0 ft - 29.0 ft, Light gray/green, PHYLLITE, with few quartz veins. Moderately hard, Unweathered, Fair rock, NX, RMR=49 Low RQD could be due to mechanical breakage | 1 (70) | 100 (36) | 10 | Top of Bedrock @ 24.0 ft | | | | |
| | | 29.0 ft - 34.0 ft, Light gray/green, PHYLLITE, with rare quartz veins. Moderately hard, Unweathered, Fair rock, NX, RMR=41 Low RQD could be due to mechanical breakage | 2 (60-70) | 100 (14) | 9 | | | | | |
| 30 | | Hole stopped @ 34.0 ft | | | | | | | | |
| 35 | | Remarks: Hole collapsed at 15.6 feet. | | | | | | | | |
| Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual. 2. N Values have not been corrected for hammer energy. C is the hammer energy correction factor. 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made. | | | | | | | | | | |

ABUTMENT 2
BOTTOM OF
PILE CAP
EL 518.76

ABUTMENT 2
BOTTOM OF
PILES
EL 505.6

BORING LOG 2 POULTNEY BF0138(12).GPJ VERMONT AOT.GDT 6/24/16

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|-----------------|-------------------|-------------|-------------|
| PROJECT NAME: | POULTNEY | PLOT DATE: | 15-AUG-2018 |
| PROJECT NUMBER: | BF 0138(12) | DRAWN BY: | G. DARGAN |
| FILE NAME: | s13j276bor1og.dgn | CHECKED BY: | G. LAROCHE |
| PROJECT LEADER: | R. YOUNG | SHEET | 22 OF 46 |
| DESIGNED BY: | G. DARGAN | | |
| BORING LOGS (1) | | | |