



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

ST ALBANS TOWN
BF 0279(5)
VT 104 BR #19

Boring No.: B-101

Page No.: 1 of 1

Pin No.: 12c598

Checked By: END

Boring Crew: GARROW, NIETO
Date Started: 8/27/15 Date Finished: 8/27/15
VTSPG NAD83: N 841037.41 ft E 1492898.53 ft
Station: 120+90.00 Offset: -25.00
Ground Elevation: 566.61 ft

Casing: WB Sampler: SS
Type: WB I.D.: 4 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C SKID AUTO C_r = 1.33

Groundwater Observations

| Date | Depth (ft) | Notes |
|----------|------------|-----------------|
| 08/27/15 | 10.1 | After Drilling. |

| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % | LL % | PI % |
|------------------------|------------|--|--------------------|--------------------|----------|--------|---------|------|------|
| 5 | | A-1-b, GrSa, brn-Lt/gry, Moist, Rec. = 1.4 ft, Lab Note: Broken Rock was within sample. | WH-6-6-5 (12) | 6.4 | 36.6 | 49.9 | 13.5 | | |
| | | A-2-4, Sa, Lt/brn-Lt/gry, Moist, Rec. = 1.6 ft | 5-5-5-5 (10) | 8.8 | 19.4 | 66.2 | 14.4 | | |
| | | A-1-b, GrSa, Lt/brn, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample. | 10-12-10-8 (20) | 8.6 | 37.6 | 43.8 | 18.6 | | |
| | | A-2-4, SiGrSa, Lt/brn, Moist, Rec. = 0.2 ft | 4-4-1-1 (5) | 10.1 | 28.6 | 50.8 | 20.6 | | |
| | | Field Note: No Recovery | (WR) | | | | | | |
| 10 | | A-1-b, SaGr, brn, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample. | WH-WH-2-12 (2) | 12.7 | 49.6 | 35.3 | 15.1 | | |
| | | A-4, GrSaSi, gry, Moist, Rec. = 1.5 ft, Lab Note: Broken Rock was within sample. | 3-20-37-27 (57) | 11.0 | 25.3 | 27.2 | 47.5 | | |
| | | A-4, SaSi, gry, Moist, Rec. = 1.3 ft | 27-48-R@2.5" (R) | 10.3 | 16.9 | 22.4 | 60.7 | 19 | 4 |
| 15 | | A-4, GrSaSi, gry, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample. | 35-R@5.0" (R) | 11.6 | 22.0 | 23.3 | 54.7 | | |
| | | A-4, GrSaSi, gry, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample. | 18-35-R@5.0" (R) | 11.3 | 20.4 | 20.9 | 58.7 | 20 | 6 |
| | | | | | | | | | |
| 25 | | A-4, SaSi, gry, Moist, Rec. = 1.6 ft | 25-33-R@6.0" (R) | 9.2 | 16.8 | 25.2 | 58.0 | 19 | 5 |
| | | | | | | | | | |
| | | | | | | | | | |
| 30 | | A-4, SaSi, gry, Moist, Rec. = 1.1 ft | 32-48-R@1.0" (R) | 9.1 | 14.5 | 25.0 | 60.5 | | |
| | | | | | | | | | |
| 35 | | A-4, SaSi, gry, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample. A Trace of clay was noticeable. Sample tested non-plastic | 26-39-R@6.0" (R) | 8.7 | 17.4 | 24.2 | 58.4 | | |
| Hole stopped @ 36.5 ft | | | | | | | | | |
| 40 | | Remarks: Hole collapsed at 24.0 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_r 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.

BORING LOG 2 ST. ALBANS TOWN BF 0279(5), GPJ VERMONT AOT, GDT 9/24/15



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BORING LOG

ST ALBANS TOWN
BF 0279(5)
VT 104 BR #19

Boring No.: **B-102**

Page No.: 1 of 1

Pin No.: 12c598

Checked By: END

Boring Crew: GARROW, NIETO
Date Started: 8/26/15 Date Finished: 8/26/15
VTSPG NAD83: N 841036.31 ft E 1492957.78 ft
Station: 121+10.00 Offset: 30.00
Ground Elevation: 564.92 ft

Casing: WB Sampler: SS
Type: WB I.D.: 4 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C SKID AUTO C_r = 1.33

Groundwater Observations

| Date | Depth (ft) | Notes |
|----------|------------|----------------|
| 08/26/15 | 5.7 | After Driling. |
| | | |
| | | |

| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
|------------|------------|---|--------------------|--------------------|----------|--------|---------|
| | | A-2-4, SiGrSa, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock, grass, and roots were within sample. | 1-2-3-5 (5) | 10.5 | 29.7 | 44.9 | 25.4 |
| | | Field Note:, No Recovery | 5-4-4-3 (8) | | | | |
| 5 | | Visual Description:, SiSa, brn, Moist, Rec. = 0.1 ft, Lab Note: Insufficient sample size for testing. | 5-4-4-4 (8) | 11.1 | | | |
| | | A-1-B, SiSaGr, brn-Lt/brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample. | 6-9-5-4 (14) | 10.8 | 48.0 | 31.6 | 20.4 |
| | | A-1-B, SiSaGr, brn-gry, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample. | 12-6-6-6 (12) | 12.1 | 45.1 | 33.0 | 21.9 |
| 10 | | A-1-B, GrSa, Lt/brn-gry, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample. | | 17.5 | 37.9 | 42.1 | 20.0 |
| | | A-4, GrSaSi, gry-Lt/brn, Moist, Rec. = 1.0 ft | 3-2-6-R@5.0" (8) | 12.7 | 24.2 | 32.5 | 43.3 |
| | | Visual Description:, Broken Rock with SaSi, gry, Moist, Rec. = 0.3 ft, Lab Note: Insufficient sample size for testing. | R@3.5" (R) | 7.9 | | | |
| | | A-4, SaGrSi, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample. A trace of clay was noticeable. Sample tested non-plastic. | R@6.0" (R) | 7.9 | 35.4 | 23.7 | 40.9 |
| 15 | | A-4, SaSi, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample. A trace of clay was noticeable. Sample tested non-plastic. | R@6.0" (R) | 9.9 | 17.8 | 26.5 | 55.7 |
| | | A-4, Si, gry, Moist, Rec. = 1.1 ft, Lab Note: A trace of clay was noticeable. Sample tested non-plastic. | 37-R@5.0" (R) | 13.2 | 11.6 | 19.1 | 69.3 |
| 20 | | | | | | | |
| | | Visual Description:, Broken Rock with Si, gry, Moist, Rec. = 0.3 ft, Lab Note: Insufficient sample size for testing. | R@3.5" (R) | 9.5 | | | |
| 25 | | | | | | | |
| | | A-4, SaGrSi, gry, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample. | R@5.0" (R) | 7.9 | 33.4 | 28.2 | 38.4 |
| 30 | | | | | | | |
| | | Field Note:, No Recovery | 26-35-R@5.0" (R) | | | | |
| 35 | | | | | | | |
| | | Hole stopped @ 36.4 ft | | | | | |
| 40 | | Remarks: Hole collapsed at 7.6 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.

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