



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

BORING LOG
 BETHEL-RANDOLPH
 STP 2921(1)
 VT-12

Boring No.: B-108
 Page No.: 1 of 1
 Pin No.: 10C244
 Checked By: MLM

| | | | | | | |
|--|----------------------------------|-------------------|-----------------------------|--------------------------|------------|-----------------|
| Boring Crew: <u>DAIGNEAULT, GARROW, HOOK</u> | Type: <u>WB</u> | Casing: <u>WB</u> | Sampler: <u>SS</u> | Groundwater Observations | | |
| Date Started: <u>12/02/13</u> Date Finished: <u>12/02/13</u> | I.D.: <u>4 in</u> | | | Date | Depth (ft) | Notes |
| VTSPG NAD83: <u>N 507883.96 ft E 1600644.52 ft</u> | Hammer Wt: <u>N.A.</u> | | | 12/02/13 | 5.9 | While drilling. |
| Station: <u>362+97</u> Offset: <u>8.90</u> | Hammer Fall: <u>N.A.</u> | | | | | |
| Ground Elevation: <u>675.8 ft</u> | Hammer/Rod Type: <u>Auto/AWJ</u> | | | | | |
| | Rig: <u>CME 55 TRACK</u> | | <u>C_s = 1.46</u> | | | |

| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
|------------|------------|--|--------------------|--------------------|----------|--------|---------|
| | | Asphalt Pavement, 0.0 ft - 0.92 ft | | | | | |
| | | A-1-b, SaGr, brn, Moist, Rec. = 0.7 ft, Lab Note: Asphalt Pavement was within sample. | 8-10-11-7 (21) | 10.6 | 48.8 | 36.6 | 14.6 |
| | | A-2-4, GrSiSa, brn, Moist, Rec. = 0.8 ft | 5-7-7-8 (14) | 15.2 | 20.6 | 44.3 | 35.1 |
| 5 | | A-2-4, SiGrSa, brn-gry, Moist, Rec. = 1.1 ft | 12-8-7-7 (15) | 15.9 | 32.3 | 38.6 | 29.1 |
| | | A-2-4, GrSiSa, brn-gry, MTW, Rec. = 0.7 ft | 5-4-3-4 (7) | 27.8 | 28.9 | 39.1 | 32.0 |
| 10 | | A-4, SaSi, brn-gry, MTW, Rec. = 0.5 ft | 1-R@5.0" (R) | 38.8 | 19.7 | 33.5 | 46.8 |
| | | Field Note:, Roller coned ahead. Cleaned out casing. | | | | | |
| | | Field Note:, NXMDC, Boulder, Broke through rock at 17.0 ft. | | | | | |
| 15 | | | | | | | |
| | | Field Note:, NXMDC, Gravelly silt was in core barrel | | | | | |
| 20 | | | | | | | |
| | | A-2-4, GrSaSi, Dk/brn, MTW, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample. | 3-6-10-8 (16) | 15.6 | 31.9 | 33.2 | 34.9 |
| | | | | | | | |
| 25 | | A-2-4, SiGrSa, gry, Moist, Rec. = 0.5 ft, Lab Note: Weathered & Broken Rock pieces were within sample. | 6-18-R@1.0" (R) | 15.1 | 30.0 | 43.0 | 27.0 |
| | | Hole stopped @ 26.1 ft | | | | | |
| 30 | | Remarks: 1. Hole collapsed at 19.2 ft. | | | | | |

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.

BORING LOG 2 BETHEL-RANDOLPH STP 2921(1).GPJ VERMONT AOT.GDT 12/12/13