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|  STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION | | BORING LOG | | Boring No.: L-1 | | | |
| | | WARREN BRF 013-4(32) VT-100 BR-166 | | Page No.: 1 of 1 Pin No.: Checked By: DGL | | | |
| Boring Crew: P. Labossiere (NHB), J. Szmyt (GZA) Date Started: 1/16/13 Date Finished: 1/17/13 VTSPG NAD83: N 572084.29 ft E 1546123.94 ft Station: 3+46 Offset: 8.2L Ground Elevation: 1142.5 ft | | Casing Type: WB I.D.: 4. in Hammer Wt: 300 lb. N.A. Hammer Fall: 24 in. N.A. Hammer/Rod Type: AWJ Rig: MOBILE B47 TRUCK CE = | Groundwater Observations Date Depth Notes | | | | |
| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
| 0.0 | | 0.0 ft - 0.7 ft, ASPHALT | | | | | |
| 0.7 | | 0.7 ft - 1.0 ft, SAND | | | | | |
| 1.0 | | 1.0 ft - 3.0 ft, COBBLES AND BOULDERS | | | | | |
| 3.0 | | 3.0 ft - 10.0 ft, SAND AND GRAVEL | | | | | |
| 10.0 | | 10.0 ft - 20.0 ft, COBBLES AND BOULDERS | | | | | |
| 20.0 | | Hole stopped @ 20.0 ft | | | | | |
| Remarks: 1. Boring advanced without sampling. Stratum descriptions based on observations of drilling action and wash water. 2. Roller bit refusal at 20 feet below ground surface. | | | | | | | |
| 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 may occur due to other factors than those present at the time measurements were made. | | | | | | | |

ABUT. NO. 1
 BOTTOM PILE CAP
 EL. 1132.00

BORING LOG: 04.0029753.00 - MCFARLAND-JOHNSON, INC. - VTRANS TEMPLATE.GPJ - VERMONT AOT.GDT 4/17/13

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|---|------------|---|--|---|----------|--------|---------|
|  STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION | | BORING LOG | | Boring No.: L-2 | | | |
| | | WARREN BRF 013-4(32) VT-100 BR-166 | | Page No.: 1 of 1 Pin No.: Checked By: DGL | | | |
| Boring Crew: P. Labossiere (NHB), J. Szmyt (GZA) Date Started: 1/15/13 Date Finished: 1/16/13 VTSPG NAD83: N 572193.05 ft E 1546117.83 ft Station: 4+54 Offset: 8.1R Ground Elevation: 1142.3 ft | | Casing Type: WB I.D.: 4. in Hammer Wt: 300 lb. N.A. Hammer Fall: 24 in. N.A. Hammer/Rod Type: AWJ Rig: MOBILE B47 TRUCK CE = | Groundwater Observations Date Depth Notes | | | | |
| Depth (ft) | Strata (1) | CLASSIFICATION OF MATERIALS (Description) | Blows/6" (N Value) | Moisture Content % | Gravel % | Sand % | Fines % |
| 0.0 | | 0.0 ft - 0.7 ft, ASPHALT | | | | | |
| 0.7 | | 0.7 ft - 1.0 ft, SAND | | | | | |
| 1.0 | | 1.0 ft - 2.0 ft, COBBLES AND BOULDERS | | | | | |
| 2.0 | | 2.0 ft - 15.0 ft, SAND AND GRAVEL | | | | | |
| 15.0 | | 15.0 ft - 24.0 ft, COBBLES AND BOULDERS | | | | | |
| 24.0 | | 24.0 ft - 29.0 ft, SAND AND GRAVEL | | | | | |
| 29.0 | | 29.0 ft - 29.5 ft, PROBABLE BEDROCK | | | | | |
| 29.5 | | Hole stopped @ 29.5 ft | | | | | |
| Remarks: 1. Boring advanced without sampling. Stratum descriptions based on observations of drilling action and wash water. 2. Advanced roller bit into probable bedrock from 29.0 to 29.5 feet below ground surface. | | | | | | | |
| 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 may occur due to other factors than those present at the time measurements were made. | | | | | | | |

ABUT. NO. 2
 BOTTOM PILE CAP
 EL. 1132.00

ESTIMATED PILE
 TIP EL. 1113.3

BORING LOG: 04.0029753.00 - MCFARLAND-JOHNSON, INC. - VTRANS TEMPLATE.GPJ - VERMONT AOT.GDT 4/17/13

PROJECT NAME: WARREN
 PROJECT NUMBER: BRF 013-4(32)

FILE NAME: z10b424bor_log.dgn
 PROJECT LEADER: R. Young
 DESIGNED BY: D. Kull
 BORING LOG SHEET (2 OF 2)

PLOT DATE: 03-OCT-2013
 DRAWN BY: P. Dustin
 CHECKED BY: T. Kendrick
 SHEET 17 OF 42

