GEODESIGN INCORPORATED
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Windsor, VT 05089 South Burlington, VT 05403
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# BORING LOG

Project Name

Chester Bridge BRF016-1(25)

Chester, VT

Boring No.: B-2
Page No.: 1 of 2
File No.: 750-05.2
Checked By: JAG

Boring Company: SJB Services Inc.
Foreman: Steve Wolkiewicz
GeoDesign Rep.: Jacob Wimett
Date Started: April 27, 2007 Date Finished: April 30, 2007
N. Coordinate: 276104.86 E. Coordinate: 1592718.9956
Ground Surface Elevation (feet): 940
Station: 13+86 Offset: 8 ft LT

| | Casing: | Sampler: |
|---|---|---|
| Type: | H.S.A. | SS |
| I.D.: | 4.25 in. | 1.38 in. |
| Hammer Wt.: | NA | 140 lbs |
| Hammer Falt: | NA | 30 in. |
| Rig Type: | CME 550X ATV | |
| Hammer Type: | Automatic | |

| Groundwater Observations | | | |
|---|---|---|---|
| Date | Depth (ft) | Elev. (ft) | Notes |
| 4/27/07 | 15.0 | 925.0 | Wet Sample |
| 4/27/07 | 20.2 | 919.8 | In Augers |

| Depth (ft) | Casing Blows/ft | Sample Info: Number | Type | Penetration (inches) | Recovery (inches) | Depth (ft) | Blows / 6 inch Interval: 0 - 6 | 6 - 12 | 12 - 18 | 18 - 24 | Coring Time (min./ft) | Moisture Content (%) | Strata Description: Depth & Elevation(feet) | Symbol | Sample Description: Classification System: Burmister |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | | | 0.7 Asphalt | | |
| | | S1 | SS | 24 | 14 | 1 | 12 | 11 | 13 | 10 | | | Base Course 939.3 | | S1) Medium dense, brown, fine to coarse SAND and fine to coarse GRAVEL, trace Silt, dry. |
| | | S2 | SS | 24 | 1 | 3 | 10 | 15 | 15 | 13 | | | 3.5 Fill 936.5 | | S2) Dense, piece of fractured coarse GRAVEL stuck in spoon tip. |
| 5 | | S3 | SS | 24 | 11 | 5 | 18 | 15 | 10 | 5 | | | | | S3) Medium dense, brown, fine to coarse SAND, some fine to coarse Gravel, trace Silt, dry. |
| | | S4 | SS | 24 | 3 | 7 | 3 | 5 | 8 | 4 | | | 7 Sand & gravel 933.0 | | S4) Medium dense, brown, fine to coarse SAND, little Silt, trace fine Gravel, moist. |
| 10 | | S5 | SS | 24 | 12 | 10 | 20 | 22 | 25 | 25 | | | | | S5) Dense, fine to coarse SAND and fine to coarse GRAVEL (fractured), trace Silt. |
| 15 | | S6 | SS | 24 | 18 | 15 | 16 | 22 | 25 | 34 | | | 15 Silty Sand 925.0 | | S6) Dense, gray, fine to medium SAND, and SILT, little (-) fine Gravel, (decomposed Rock), wet. |
| 20 | | S7 | SS | 24 | 19 | 20 | 24 | 33 | 36 | 45 | | | | | S7) Very dense, similar to S6. |
| 25 | | S8 | SS | | | 25 | WOH | 43 | 34 | 43 | | | 27 Glacial Till 913.0 | | S8) Very dense, gray, fine to coarse SAND, some decomposed Rock, little Silt, wet. |
| 30 | | | | | | | | | | | | | | | |

Remarks

1) Ground surface elevation estimated by GeoDesign. Boring coordinates derived from electronic site plans issued by VTrans.
2) Augered through 9 inches of asphalt prior to sampling S1.
3) Augers grinding and chatter from 2 feet to 3.5 feet deep.
4) Driller accidentally dropped rod with spoon while lowering into hole at S8, sunk in 6 inches.
5) Torque test on S8 sampler. Applied 85 ft-lbs but couldn't move it more.
6) Increased auger resistance with frequent chatter and grinding beginning at 27' deep.

Notes:
1) Stratification Lines Represent Approximate Boundary Between Material Types, Transitions May Be Gradual.
2) 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. A.C. = After coring; N.R. = Not Recorded.
3) Sample Type Coding: A=Auger; C=Core; D=Driver; G=Grab; PS=Piston Sampler; SS=Split Barrel (Split Spoon); ST=Shelby Tube; Geo = GeoProbe; V=Vane; WOR/H=Weight of Rod/Hammer
4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-35%; And = 35-50%

Boring No.: B-2

VT BORING LOG MC 5/12/04 FOR CONVERSION TO DFX 750-5.2.GPJ GEODESIGN STANDARD.GDT 8/17/07

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | S9 | SS | 24 | 18 | 30 | 40 | 76 | 79 | 68 | | | Glacial Till (Continued) | | S9) Very dense, gray/ olive, fine to coarse SAND and SILT, little (+) oxidized micaceous decomposed Rock, wet. |
| 35 | | S10 | SS | 15 | 15 | 35 | 53 | 93 | 54/3" | | | | | | S10) Refusal, gray to brown, fine to coarse SAND and SILT, little fine Gravel, little decomposed oxidized Rock, wet. |
| 40 | | S11 | SS | 24 | 21 | 40 | 12 | 27 | 37 | 50 | | | | | S11) Very dense/ hard, brown with gray/ orange and black, fine to coarse SAND and SILT and CLAY, little fine Gravel, trace decomposed Rock, wet. |
| 45 | | S12 | SS | 16 | 12 | 45 | 6 | 65 | 100/4" | | | | | | S12) Refusal, orange brown, fine to coarse SAND, some Silt, little decomposed Rock, wet. |
| 50 | | S13 | SS | 8 | 8 | 50 | 98 | 50/2" | | | | | 50 890.0 Bottom of Exploration at 50.7 ft | | S13) Refusal, white with orange and brown, decomposed ROCK, little fine to coarse Sand, little Silt, wet. |
| 55 | | | | | | | | | | | | | | | |
| 60 | | | | | | | | | | | | | | | |

Remarks

7) Very hard auger grinding and rig chatter on inferred boulder from 48' to 49.5' deep.

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