



VAOT  
 P.O. Box 699 Windsor, VT 05089  
 Phone: 802-674-2033/Fax: 802-674-5943

1233 Shelburne Rd., Suite E-1  
 So. Burlington, VT 05403  
 Phone: 802-652-5140

**BORING LOG**

Project Name

Chester Bridge BRFO16-1(25)

Chester, VT

Boring No.: B-3

Page No.: 3 of 4

File No.: 750-05.2

Checked By: JAG

Boring Company: SJB Services Inc.  
 Foreman: Steve Wolkiewicz  
 GeoDesign Rep.: Jacob Wimeff  
 Date Started: May 1, 2007 Date Finished: May 3, 2007  
 N. Coordinate: 276171.778 E. Coordinate: 1592834.2373  
 Ground Surface Elevation (feet): 938.5  
 Station: 15+19 Offset: 21 ft LT

Casing: H.S.A. Sampler: SS  
 L.D.: 4.25 in. 1.38 in.  
 Hammer WL: NA 140 lbs 5/1/07 15.0 923.5 Refer to HTE Log  
 Hammer Fall: NA 30 in. for Groundwater  
 Rig Type: CME 550X ATV  
 Hammer Type: Automatic

| Depth (ft) | Casing Blow/ft | Sample Information |      |                      |                   |                         |        | Strata Description                               | Symbol | Sample Description             |                       |                      |         |         |
|------------|----------------|--------------------|------|----------------------|-------------------|-------------------------|--------|--|--------|--------------------------------|-----------------------|----------------------|---------|---------|
|            |                | Number             | Type | Penetration (inches) | Recovery (inches) | Blows / 6 inch Interval |        |  |        |                                | Coring Time (min./ft) | Moisture Content (%) |         |         |
|            |                |                    |      |                      |                   | 0 - 6                   | 6 - 12 |  |        |                                |                       |                      | 12 - 18 | 18 - 24 |
| 65         |                |                    |      |                      |                   |                         |        | Glacial Till (Continued)                         |        | of coarse GRAVEL in spoon tip. |                       |                      |         |         |
| 70         |                |                    |      |                      |                   |                         |        |  |        |                                |                       |                      |         |         |
| 75         |                |                    |      |                      |                   |                         |        |  |        |                                |                       |                      |         |         |
| 80         |                |                    |      |                      |                   |                         |        |  |        |                                |                       |                      |         |         |
| 85         |                |                    |      |                      |                   |                         |        |  |        |                                |                       |                      |         |         |
| 88         |                |                    |      |                      |                   |                         |        | Probable 850. bedrock (inferred From Roller Bit) |        |                                |                       |                      |         |         |
| 90         |                |                    |      |                      |                   |                         |        |  |        |                                |                       |                      |         |         |

Remarks  
 8) Return water color change from rusty brown to tannish brown at approximately 63' deep with and increase in roller bit resistance. Infer still in Glacial Till due to the lack of ROCK in return water, cuttings.  
 9) Driller infers Siltier/ clayier Glacial Till beginning at approximately 66' deep due to spikes in the water back pressure. No noticeable decrease in drilling resistance. Water return became grayer as well.  
 10) At approximately 72' deep water changed back to brownish in color with less water backpressure (less Silt).  
 11) Light grinding/ chatter from approximately 73' to 73.5' deep and 77' to 77.5' 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=Driven; G=Grab; PS=Pluton Sampler; SS=Split Barrel (Split Spoon); ST=Shelby Tube; V=Vane; WOB/H=Weight of Rod/Hammer  
 4) Proportions Used: Trace = 1-10%; Little = 10-20%; Some = 20-30%; And = 35-50%

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|            |                | Number             | Type | Penetration (inches) | Recovery (inches) | Blows / 6 inch Interval |        |                    |        |                    | Coring Time (min./ft) | Moisture Content (%) |         |         |  |  |               |  |  |
|            |                |                    |      |                      |                   | 0 - 6                   | 6 - 12 |                    |        |                    |                       |                      | 12 - 18 | 18 - 24 |  |  |               |  |  |
| 95         |                | C1                 | C    | 60                   | 37                | 90                      |        |                    |        |                    |                       |                      |         |         |  |  | Bedrock 843.5 |  | C1) Top 8": Fractured fine to coarse GRAVEL. Bottom 29": Silver gray with white quartz banding, hard, slightly weathered along fracture surfaces, moderately to widely jointed, poor quality micaceous SCHIST. Fractures 75o to 90o from horizontal. |
| 100        |                |                    |      |                      |                   |                         |        |                    |        |                    |                       |                      |         |         |  |  |               |  |  |
| 105        |                |                    |      |                      |                   |                         |        |                    |        |                    |                       |                      |         |         |  |  |               |  |  |
| 110        |                |                    |      |                      |                   |                         |        |                    |        |                    |                       |                      |         |         |  |  |               |  |  |
| 115        |                |                    |      |                      |                   |                         |        |                    |        |                    |                       |                      |         |         |  |  |               |  |  |
| 120        |                |                    |      |                      |                   |                         |        |                    |        |                    |                       |                      |         |         |  |  |               |  |  |

Remarks  
 12) Grinding and chatter while roller biting from 88' to 90' deep. Attempt core sample at 90' deep. Cased to 88' prior to coring.  
 13) Return water color changed to gray at approximately 91' deep.

Notes:  
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K ESTIMATED PILE TIP ELEVATION