



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

BORING LOG

Hinesburg HES 021-1(19)
 (GeoDesign #750-09.18)
 Hinesburg, VT

Boring No.: 81
 Page No.: 1 of 1
 Pin No.: 04b204
 Checked By: JFW

Boring Crew: C. Aldrich (Platform), M. Hagedorn (GeoDesign)
 Date Started: 5/29/15 Date Finished: 5/29/15
 VTSPG NADB3: _____
 Station: See Notes Offset: See Notes
 Ground Elevation: 379 ft

Type: _____
 I.D.: _____
 Hammer Wt: _____
 Hammer Fall: _____
 Hammer/Rod Type: _____
 Rig: _____

Casing: _____
 Sampler: _____
 AUGER SS
 2.25 in 1.38 in
 N.A. 140 lb.
 N.A. 30 in.
 Auto/NWJ
 CE = 1.35

Groundwater Observations (3)

Date	Depth (ft)	Notes
05/29/15		None observed.

Depth (ft)	Strat(1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)(2)	Moisture Content %	Gravel %	Sand %	Fines %																													
2.5	x x	No sampling performed. (Inferred General Sand & Gravel Fill from auger cuttings.)																																		
5.0		Hole stopped @ 3.0 ft Multiple refusals on inferred rock < 3' deep.																																		
7.5		Remarks: 1. Ground surface elevation, northing, easting, station, and offset shown are approximated from ties made from existing features in the field by GeoDesign personnel, the Preliminary Plan Set prepared by VHB and dated 4/30/2015, and an electronic site plan titled "z04b204sv.dgn" provided by VHB via email on June 26, 2015. 2. Auger grinding and chatter noted from 1' - 2' deep on inferred bedrock. Moved drill rig multiple times and re-drilled with same result. 3. Inferred shallow bedrock, unable to core rock at shallow depths with equipment available on site. 4. 5 borehole locations were attempted at the following approximate stations and offsets: <table border="1"> <thead> <tr> <th>Northing</th> <th>Easting</th> <th>Station</th> <th>Offset</th> <th>Refusal Depth</th> </tr> </thead> <tbody> <tr> <td>1479486</td> <td>670955</td> <td>280+30</td> <td>16'R</td> <td>1.5'</td> </tr> <tr> <td>1479488</td> <td>670956</td> <td>280+30</td> <td>18'R</td> <td>1.5'</td> </tr> <tr> <td>1479488</td> <td>670950</td> <td>280+25</td> <td>16'R</td> <td>1.5'</td> </tr> <tr> <td>1479478</td> <td>670973</td> <td>280+50</td> <td>16'R</td> <td>3'</td> </tr> <tr> <td>1479463</td> <td>671006</td> <td>280+86</td> <td>16'R</td> <td>2'</td> </tr> </tbody> </table> 5. Large bedrock outcropping noticed at approximate station 280+00 on east side of roadway.	Northing	Easting	Station	Offset	Refusal Depth	1479486	670955	280+30	16'R	1.5'	1479488	670956	280+30	18'R	1.5'	1479488	670950	280+25	16'R	1.5'	1479478	670973	280+50	16'R	3'	1479463	671006	280+86	16'R	2'				
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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 of groundwater may occur due to other factors than those present at the time measurements were made.

GEODESIGN BORING LOG 750-09.18 HINESBURG.PJ VERMONT NOT.DWG 7/31/15