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.: B7-ST
Page No.: 1 of 1
Pin No.: 04b204
Checked By: JFW

Boring Crew: C. Aldrich (Platform), M. Hagedorn (GeoDesign)
Date Started: 5/27/15 Date Finished: 5/27/15
VTSPG NAD83: N 671777.00 ft E 1479011.00 ft
Station: 289+82 Offset: 64' LT
Ground Elevation: 367 ft

	Casing	Sampler
Type:	FJ	TUBE
I.D.:	4 in	2.87 in
Hammer Wt:	N.A.	N.A.
Hammer Fall:	N.A.	N.A.
Hammer/Rod Type:	N.A./N.A.	
Rig:	Geoprobe 7822DT	CE = NA

Groundwater Observations (3)

Date	Depth (ft)	Notes
05/27/15	7.0	Inferred from B7.

Depth (ft)	Strata(1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)(2)	Moisture Content %	Gravel %	Sand %	Fines %
		Reworked Clay Fill (Inferred from B7)					
2.5		Silty Clay (Inferred from B7).					
5.0							
7.5		ST-1 (8'-10'): Grey Silty CLAY, moist. (Torvane performed at 10': 0.24 tsf) Rec. = 2.0 ft					
10.0		Hole stopped @ 10.0 ft No refusal.					
12.5							
15.0							
17.5							

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. Exploration performed to obtain a Shelby Tube adjacent to Borehole B7 in the soft clay layer observed between 8' - 12' deep.
3. Borehole located 5' South-Southeast of B7.
4. Pushed casing to 3' deep. Casing advanced below 3' deep using a pneumatic direct push hammer.
5. Backfilled with a mixture of bentonite chips and cuttings from hole. Approximately 1.0 bag of chips used.

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.GPJ VERMONT AOT.GDT 7/31/15