



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 MATERIALS & RESEARCH SECTION
 SUBSURFACE INFORMATION

BORING LOG

Barton Bridge #20
 BHF 0286 (5) - TH-2 (VT-16)
 GeoDesign #888-04.9

Boring No.: B-2A
 Page No.: 1 of 1
 Pin No.: 12172
 Checked By: JFW/DTH

Boring Crew: J.Leonhardt (QC/QA), A. Baribault (GeoDesign)
 Date Started: 2/25/14 Date Finished: 2/25/14
 VTSPG NAD83: N 819472.00 ft E 1723373.00 ft
 Station: 13+11.1 Offset: 3.0 LT
 Ground Elevation: 856 ft

Casing Sampler
 Type: AUGER 3" SS
 I.D.: 4.25 in 2.5 in
 Hammer Wt: 140 lb. 140 lb.
 Hammer Fall: 30 in. 30 in.
 Hammer/Rod Type: Auto/NWJ
 Rig: CME 550X ATV CE = 1.4

Groundwater Observations (3)

Date	Depth (ft)	Notes
02/25/14	7.0	Wet sample at 7'

Depth (ft)	Strata(1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)(2)	Moisture Content %	Gravel %	Sand %	Fines %
5	x x x	S1 (2' to 4'): Light brown fine to coarse SAND, some fine to coarse Gravel, little to some silt, trace Brick, frozen. Rec. = 2.0 ft	35-56-62-67				
	x x x	S2 (4' to 6'): Light brown fine to coarse SAND, some Silt, little fine to coarse Gravel, trace Brick, frozen. Rec. = 1.5 ft	9-10-13-10				
	x x x	S3 (6' to 8'): Loose, brown fine SAND and SILT, moist (upper 12") to wet (lower 12"). Rec. = 2.0 ft	8-6-3-3				
10		S4 (8 to 10'): Very loose, brown to gray-brown SILT, some fine Sand, little Wood and Organics, wet. Inferred recent alluvium. Upper 2" Possible Fill (no separate sample). Rec. = 2.0 ft	1-2-3-2				
Hole stopped @ 10.0 ft							
15	Remarks: 1) Split spoon samples were taken using a 3" O.D. split spoon to collect sample for resistivity testing. Sample S4 not cleaned out prior to sampling (augers at 6 feet). 2) Approximately 6" Asphalt, significant auger grinding from 6" to 10" through inferred concrete (no rebar encountered) with smooth drilling thereafter. 3) Borehole backfilled with cuttings and capped with asphalt cold patch. 4) Northing, easting, and ground surface elevation are estimated from an electronic site plan provided by TY Lin and taped measurements made from existing features in the field by GeoDesign personnel.						
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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 888-04.7 BARTON BR 20.GPJ VERMONT AOT.GDT 5/12/14