

 STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-5					
		Cavendish ER BR 0146(13)		Page No.: 1 of 1					
Boring Crew: B. DeLude (SJB), J. McIntyre (GeoDesign) Date Started: 2/29/12 Date Finished: 2/29/12 VTSFG NAD83: N 325252.49 ft E 1615346.45 ft Station: Not Available Offset: Not Available Ground Elevation: 770.41 ft		Casing: AUGER Sampler: SS I.D.: 4.25 in 1.38 in Hammer Wt: N.A. 140 lb. Hammer Fall: N.A. 30 in. Hammer/Rod Type: Auto/NWJ Rig: Diedrich D-50 C _c = 1.5		Groundwater Observations Date: 02/29/12 Depth (ft): 15.0 Notes: Wet Sample					
Depth (ft)	Strat	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
5	XXXX	S1 (5'-5.5'): Refusal. Rock fragment approximately 3" long recovered. Rec. = 0.25 ft	54 (R)						
10	XXXX	S2 (10'-12'): Medium dense, brown fine to coarse SAND, some fine Gravel, trace Silt, moist. Rec. = 0.5 ft (AASHTO M145 Classification: A-1-a.)	5-9-18-21 (27)		64.7	26.0	9.3	NP	NP
15	XXXX	S3 (15'-15.08'): Refusal. Gravel piece. Wet spoon. Rec. = 0.08 ft	50/1 (R)						
20	XXXX	S4 (20'-21'): Refusal, brown fine to coarse SAND, some fine to coarse Gravel, little Silt, wet. Rec. = 1.0 ft	20-50/6 (R)						
25		Hole stopped @ 25.0 ft Borehole terminated due to lost auger plug in hole.							
Remarks: 1) Ground surface elevation and exploration location surveyed by Vermont Survey and Engineering, Inc. 2) Auger refusal encountered at 25' deep with difficult advance for entirety of borehole (inferred cobbles and boulders). 3) Driller lost auger plug at 25' deep. Unable to recover and drive split spoon sample. Boring terminated. 4) Hammer efficiency is assumed. 5) Soil descriptions are per the Burmister Classification System based on visual observations. Lab testing gradations reported are per AASHTO M145.									
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.									

BOTTOM OF
 ABUT. NO. 2
 EL. 761.25

ESTIMATED BOTTOM
 OF PILE AT
 ABUT. NO. 2
 EL. 681.25

PROJECT NAME: CAVENDISH	PLOT DATE: 7/19/2013
PROJECT NUMBER: ER BRF 0146(13)	DRAWN BY: S. MORGAN
FILE NAME: zllc318bdrbor5.dgn	CHECKED BY: T. POULIN
PROJECT LEADER: J. OLUND	SHEET 24 OF 49
DESIGNED BY: J. OLUND	
BORING LOGS 5	

