

BORING LOG																		
Project Name Lyndon BHF 0269 (10) Lyndon, VT					Boring No.: GB-4													
Page No.: 1 of 2					File No.: 837-05													
Checked By: RSA																		
Boring Company: M+W Soils Engineering Foreman: Mike Hitzcock GeoDesign Rep.: Andrew Elms Date Started: July 15, 2002 Date Finished: July 15, 2002 N. Coordinate: _____ E. Coordinate: _____ Ground Surface Elevation (meters): 218.69 Station #287 Offset: 3.50 m Left																		
Casing: SS Sampler: _____ Date and Time: _____ I.D./O.D.: 11 cm / 8 cm Type: H.S.A. Date and Time: _____ Hammer Wt.: NA 63.5 kg 7/15/02 10:35 AM 7.82 210.98 wet soils Hammer Fall: NA 76 cm _____ Rig Type: Acker Truck Mounted _____ Other: _____																		
Depth (m)	Casing Blow/ft (m)	Sample Information				Sample Description	Strata Description	Symbol	Elevation & Depth (meters)	Notes								
		Number	Type	Preparation	Recovery (%)													
1		S1	SS	81	23	1.82	6	5	4	4	(S1): Loose, brown, fine to coarse SAND, trace silt, trace fine gravel, moist.	Granular Fill						
2		S2	SS	81	15	3.05	4	7	7	2	(S2): Similar to S1, except medium dense and with little silt.							
3		S3	SS	81	23	4.67	12	0	0	5	(S3): Medium dense, similar to S1, except with little silt.							
4		S4	SS	81	33	6.10	10	18	15	17	(S4): Dense, brown, fine to coarse SAND, little silt, trace fine gravel, moist.							
5		S5	SS	79	20	7.62	26	500	076		(S5): Very dense, brown, fine to coarse SAND, little fine gravel, trace silt, wet.							
6																		
7																		
8																		
9																		

837-05M.GPJ, GEODESIGN.GDT, 4/17/03

Remarks:
 (0 m): Ground surface elevation is estimated from preliminary plan submission cross-sections based on locations taped from existing features and plotted by GeoDesign. Elevations should be considered accurate only to the degree implied by the method used.
 (0-2.1 m): Bituminous concrete.
 (3.0 m): Possible pouring nozzle or piece of gravel during SS sampling.
 (5.5-8.7 m): Observed higher drilling resistance through possible cobble boulder.

BORING LOG																			
Project Name Lyndon BHF 0269 (10) Lyndon, VT					Boring No.: GB-4														
Page No.: 2 of 2					File No.: 837-05														
Checked By: RSA																			
Boring Company: M+W Soils Engineering Foreman: Mike Hitzcock GeoDesign Rep.: Andrew Elms Date Started: July 15, 2002 Date Finished: July 15, 2002 N. Coordinate: _____ E. Coordinate: _____ Ground Surface Elevation (meters): 218.69 Station #287 Offset: 3.50 m Left																			
Casing: SS Sampler: _____ Date and Time: _____ I.D./O.D.: 11 cm / 8 cm Type: H.S.A. Date and Time: _____ Hammer Wt.: NA 63.5 kg 7/15/02 10:35 AM 7.82 210.98 wet soils Hammer Fall: NA 76 cm _____ Rig Type: Acker Truck Mounted _____ Other: _____																			
Depth (m)	Casing Blow/ft (m)	Sample Information				Sample Description	Strata Description	Symbol	Elevation & Depth (meters)	Notes									
		Number	Type	Preparation	Recovery (%)														
10		S6	SS	20	13	8.14	48	500	051		(S6): Very dense, brown, fine to coarse SAND and fine to coarse GRAVEL, trace silt, wet.	Gravelly SANDS (Continued)							
11		S7	SS	81	38	10.67	31	28	33	22	(S7): Very dense, brown, fine to coarse SAND, some fine to coarse gravel, little silt, moist.								
12		S8	SS	81	33	12.19	18	27	11	12	(S8): Dense, brown, fine to coarse SAND, little fine gravel, little silt, wet. (Bottom 25 mm): fine to medium SAND seam.								
13		S9	SS	61	35	13.72	18	23	21	18	(S9): Dense, similar to S7.								
14		S10	SS	61	35	15.24	10	0	0	10	(S10): Medium dense, gray to brown, fine to coarse SAND and fine to coarse GRAVEL, trace silt, wet.								
15		S11	SS	3	3	16.16	1000	025			(S11): Refusal, gray to brown, fine to coarse SAND, little silt, dry.								
16																			
17																			
18																			

837-05M.GPJ, GEODESIGN.GDT, 4/17/03

Remarks:
 (8.8-11.3 m): Observed hard resistance to HSA advancement.
 (16.2): Observed HSA and SS sampler refusal on possible cobble boulder.
 (16.2): 76.2 mm I.D. F.I. casing lowered inside HSA to 16.2 m. Adapted HSA auger removal from borehole. Lead 7.82 meters of augers remain in the borehole. Borehole abandoned.

ESTIMATED PILE TIP ELEVATION AT ABUTMENT 2 = 196.26

STATE OF VERMONT AGENCY OF TRANSPORTATION			
Town Of	LYNDON	Bridge No.	2
Highway No.	VT 114	Log Sta.	
		Surv. Sta.	
VT 114 OVER PASSUMPSIC RIVER			
BORING LOGS & INFORMATION (4 OF 4)			
Designed By	GEODESIGN, INC.	Drawn By	B.J. MASSE
Checked By	Date	Bridge Design Supervisor	
M.A. COLGAN	3/06	M.A. COLGAN	Date 3/06
PROJECT	LYNDON	PROJECT NO.	BRF 0269(10)
I.G.C. Info.			
Bridge Sheet No.	50544BOR	Sheet	23 of 72