

B-1

 GEODESIGN <small>INCORPORATED</small> <small>Geotechnical Engineers and Environmental Consultants</small>		PROJECT NAME AND LOCATION				GEODESIGN, INC. SOIL BORING LOG						
		Lincoln BRO 1445 (25) Lincoln, Vermont				BORING NO.	B-1					
						PAGE NO.	1 OF 3					
						FILE NO.	750-03.1					
				REVIEWER	JEL							
BORING CO.	M & W Soils Engineering	CASING	H.S.A.	SAMPLER	GROUNDWATER READINGS							
FOREMAN	Myron Domingue	H.S.A.	TYPE	S.S.	DATE/TIME	DEPTH	STAR. TIME					
INSPECTOR	Robert Marshall	83/115 mm	L.D.O.D.	35/51 mm	09/18 - 1000	4.27 m	During Drilling					
DATE START	09/18/2000	-	HAMMER	63.5 Kg								
DATE END	09/19/2000	-	FALL	0.76 m								
GROUND EL.	298.67 m	-	OTHER	-								
DEPTH CASING BLOWNS	SAMPLE INFORMATION				STRATUM CHANGES	% M.C.	% GRAY.	% SAND	% FINES	L.Q. LIM.	U.L. LIM.	REMARKS
	NO.	PEN./REC.	BLOWS PER 0.15 m	CORING (min/0.3m)								
					Augered through gravelly cobbles to 0.91 m before first sample.							
	S-1	0.61	0.30	2	3	S-1 (0.91-1.52m): Loose, brown fine to coarse SAND, little fine to coarse Gravel, trace Silt.(A-1-b)						
1.5				4	8							
	S-2	0.61	0.41	8	12	S-2 (1.52-2.13m): Medium Dense, brown fine to coarse SAND, little fine to coarse Gravel, little Silt.(A-1-b)						
				10	9							
	S-3	0.61	0.38	15	13	S-3 (2.13-2.74m): Dense, brown fine to coarse SAND, some fine to coarse Gravel, little Silt.(A-1-b)						
				17	17							
3.0												
	S-4	0.61	0.45	18	21	S-4 (3.05-3.66m): Similar to above except gray brown (A-1-b)						
				19	39							
4.6												
	S-5	0.61	0.36	15	19	S-5 (4.57-5.18m): Very Dense, brown fine to coarse SAND, little Silt, little fine to coarse Gravel.(A-1-b)						
				36	15							
6.1												
	S-6	0.61	0.43	9	8	S-6 (6.10-6.71m): Medium Dense, brown fine to coarse SAND, little Silt.(A-1-b)						
				7	8							
7.6												
	S-7	0.61	0.30	6	4	S-7 (7.62-8.23m): Medium Dense, some brown fine to coarse SAND, some fine to coarse Gravel, little Silt.						
				9	12							
9.1												
REMARKS	1. Augers deflecting off inferred cobbles and boulders between 1.52 and 4.57 m depths. 2. Hydraulic head maintained in augers below 4.57 m depth to minimize potential blowing cards. 3. Spoon sampler and auger refusal at 16.99 m depth. 4. Roller bit advanced 0.076 m to 17.07 m depth into probable bedrock prior to rock coring.											
NOTES	1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES BETWEEN MATERIAL TYPES. ACTUAL TRANSITIONS MAY BE GRADUAL. 2) 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, Inc. 54 Main Street Windsor, VT 05089 TEL: (802) 674-2033 FAX: (802) 674-5943					BORING NO.	B-1						

EXIST. GROUND
EL. 298.67

BOTTOM FTG.
ABUT. 1
EL. 290.60

BEDROCK
EL. 281.68

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	NO.	PEN./REC.	BLOWS PER 0.15 m	CORING (min/0.3m)								
	S-8	0.61	0.41	8	9	S-8 (9.15-9.76m): Medium Dense, brown fine SAND, some Silt.(A-2-4)						
				12	10							
10.7												
	S-9	0.61	0.45	8	12	S-9 (10.67-11.28): Similar to above except dense(A-2-4)						
				14	18							
12.2												
	S-10	0.61	0.45	12	16	S-10 (12.20-12.81m): Similar to above(A-2-4)						
				16	19							
13.7												
	S-11	0.61	0.56	11	16	S-11 (13.72-14.33m): Similar to above.(A-4)						
				24	28							
15.2												
	S-12	0.61	0.51	16	26	S-12 (15.24-15.85m): Very Dense, gray brown fine SAND, little Silt. (A-2-4)						
				28	31							
16.8												
	S-13	0.23	0.23	18	19	S-13 (16.77-16.99m): Very Dense (spoon refusal), gray brown fine to coarse SAND, some Silt, some fine to coarse Gravel (A-2-4)						
18.3												
	C-1	1.52	1.32		11	C-1 (17.07-18.60m): Moderately fractured, light to dark gray micaceous Gneiss						
					8							
					8							
REMARKS	REC: 1.52 / 1.54 = 87% ROD: 0.84 / 1.54 = 55%											
NOTES	1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARIES BETWEEN MATERIAL TYPES. ACTUAL TRANSITIONS MAY BE GRADUAL. 2) 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.											
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	NO.	PEN./REC.	BLOWS PER 0.15 m	CORING (min/0.3m)								
	C-2	1.52	1.30		5	C-2 (18.60-20.12m): Moderately fractured, light to dark gray micaceous Gneiss.						
19.8					7							
					7							
					8							
					11							
21.3												
22.9												
24.4												
25.9												
27.4												
REMARKS	END OF BORING (20.12 m)											
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GEOTECHNICAL
BORING LOGS I

PROJECT NAME:	LINCOLN	PLOT DATE:	29-JAN-2009
PROJECT NUMBER:	BRO 1445 (25)	DRAWN BY:	T. LACKEY
FILE NAME:	s96j266bor.dgn	CHECKED BY:	R. WHITCOMB
PROJECT MANAGER:	R. WHITCOMB	SHEET	24 OF 58
DESIGNED BY:	S. SCRIBNER		
GEOTECHNICAL BORING LOGS I			