



PARTIAL BORING LOG 99-6

BORING LOG 99-6 (CONT'D)

GZA GeoEnvironmental, Inc. Engineers and Scientists		Bennington Bypass North Bennington, Vermont		Boring No.: 8+615, 8m L Page: 1 of 5 File No.: 15634 Check: TAD	
Contractor: New Hampshire Boring Foreman: J. Garside / M. Misiaszek Logged by: J. Gaudreau		Auger/Casing Sampler Type: HW SS I.D. (mm): 102 35		GROUNDWATER READINGS Date Time Depth Casing Stab 8-25-99 0700 1.22m None 13 hrs.	
Date Start/Finish: 8-19-99 / 8-25-99 Boring Location: See Exploration Location Plan GS Elev.: 230.02m Datum: NGVD		Hammer Wt.: NA 63.5 kg Hammer Fall: NA 0.76 m Rig Type: CME 750 ATV			

Depth (feet)	Depth (meters)	Sample Information				Sample Description & Classification	Stratum Desc.	Remarks	Equipment Installed
		No.	Rec. (m)	Depth (m)	Blows/0.15m				
5'	1.5	S-1	0.18	0-0.61	1-2	9	Loose, brown, fine to medium SAND, little Gravel, trace Silt with roots and wood. (A-1-b) Encountered nested cobbles and boulders from 0.76 to 1.83 meters.	TOPSOIL 0.15m FLUVIAL DEPOSITS 1.83m	NO EQUIPMENT INSTALLED
					7-12		No sample taken due to presence of boulder.		
10'	3.0	S-2	0.38	3.05-	7-9	23	Very stiff, light brown, Silty CLAY, trace fine to medium Sand with white Clay lenses and brown Silt lenses. (A-7-5)		
				3.66	14-24				
15'	4.6	S-3	0.15	4.57-	14-15	38	Hard, light brown, Silty CLAY, little fine Sand, Gravel with white Clay seams and brown Silt lenses. (A-7-5)	LACUSTRINE	
				5.18	23-31				
20'	6.1	S-4	0.46	6.10-	19-19	40	Hard, light brown, SILT, trace fine Sand and Gravel with white Clay seams, gray Clay lenses, and brown Silt lenses. (A-7-5)		
				6.71	21-36				
25'	7.6	S-5	0.25	7.62-	22-18	39	Hard, light brown, SILT, trace fine Sand with white and gray Clay lenses. (A-7-5)		
				8.23	21-25				

REMARKS
1. Laboratory AASHTO classifications performed on S-2, S-3, S-6, and S-7.

Stratification lines represent approximate boundaries between soil types, transitions may be gradual. 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.

Boring No.: 8+615, 8m L

6.52 m

BOTTOM OF PIER FOOTING
EL. 223.500 METERS ↓

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Depth (feet)	Depth (meters)	Sample Information				Sample Description & Classification	Stratum Desc.	Remarks	Equipment Installed
		No.	Rec. (m)	Depth (m)	Blows/0.15m				
35'	10.7	S-6	0.43	9.14-	15-21	43	Hard, light brown, Silty CLAY, trace fine to medium Sand with white Clay lenses and reddish brown Silt lenses. (A-7-5)		NO EQUIPMENT INSTALLED
				9.75	22-28				
40'	12.2	S-7	0.33	10.67-	12-17	38	Hard, light brown, SILT, trace fine to coarse Sand with white and gray Clay lenses and reddish brown Silt lenses. (A-7-5)		
				11.28	21-28				
45'	13.7	S-8	0.38	12.19-	16-21	53	Hard, light brown, SILT, little fine Sand with white Clay seams, gray Clay lenses, and reddish brown Silt lenses. (A-7-5)		
				12.80	32-41				
50'	15.2	S-9	0.28	13.72-	32-28	62	Hard, light brown, SILT, some fine to medium Sand with reddish brown Silt lenses and white Clay lenses. (A-7-5)	LACUSTRINE	
				14.33	34-47				
55'	16.8	S-10	0.18	15.24-	24-42	114	Hard, light brown and white, SILT and fine to medium Sand with white Clay lenses. (A-7-5)		
				15.85	72-47				
		S-11	0.41	16.76-	12-21	50	Hard, light brown and orange-gray, SILT, trace fine to medium Sand with white Clay seams, gray Clay lenses, and reddish brown Silt lenses. (A-7-5)		
				17.37	29-28				

REMARKS

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Boring No.: 8+615, 8m L

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	BENNINGTON	Bridge No.	BI2
Highway No.	VT RTE 279	Log Sta.	
		Surv. Sta.	
VT ROUTE 279 OVER FURNACE BROOK			
BORING LOGS (3 OF 4)			
Designed By	J.J. MANUSE	Drawn By	D.J. HENDERSON
Checked By	B.J. CARLSON	Date	04/07
		Bridge Design Supervisor	K.M. WOJTKOWSKI Date 04/07
PROJECT	BENNINGTON	PROJECT NO.	AC NH F019-I(53)
TVGA CAD Drawing No.	FBBL03.dgn	Date	04/10/2007
Bridge Sheet No.	BR508	Sheet	200 of 577

