

PARTIAL BORING LOG 99-5

PARTIAL BORING LOG 99-5 (CONT'D.)



GZA GeoEnvironmental, Inc. Engineers and Scientists		Bennington Bypass North Bennington, Vermont		Boring No.: 8+605, 7m R Page: 1 of 5 File No.: 15634 Check: TAD	
Contractor: New Hampshire Boring		Auger/Casing Sampler		Date Time Depth Casing Stab	
Foreman: M. Misiaszek		Type: HW SS		8-27-99 0730 4.11m None 14.5 hrs.	
Logged by: S. Raymond		I.D. (mm): 102 35		Date Time Depth Casing Stab	
Date Start/Finish: 8-25-99 / 8-27-99		Hammer Wt.: NA 63.5 kg		8-27-99 0730 4.11m None 14.5 hrs.	
Boring Location: See Exploration Location Plan		Hammer Fall: NA 0.76 m		Date Time Depth Casing Stab	
GS Elev.: 230.45m Datum: NGVD		Rig Type: CME 750 ATV		8-27-99 0730 4.11m None 14.5 hrs.	

Depth (feet)	Depth (meters)	Sample Information					Sample Description & Classification	Stratum Desc.	Rmks.	Equipment Installed
		No.	Rec. (m)	Depth (m)	Blows/0.15m	N Value				
		S-1	0.51	0-0.61	2-3	5	Loose, dark brown, fine to medium SAND, some Silt with roots and wood. (A-2-4)	TOPSOIL 0.15m		PROTECTIVE CASING CONCRETE SEAL 0.30m
							Encountered nested cobbles and boulders from 0.91 meters to 3.66 meters.			
5'	1.5						No sample taken due to presence of boulder.	FLUVIAL DEPOSITS		FILTER SAND
10'	3.0						No sample taken due to presence of cobbles/boulder.			3.05m
15'	4.6	S-2	0.08	4.57-5.18	5-9	23	Very stiff, light brown, Clayey SILT, little fine to coarse Sand, trace Gravel with white Clay lenses. Gravel occurred as Quartz fragments. (A-7-6)	LACUSTRINE		BENTONITE SEAL 4.57m
20'	6.1	S-3	0.05	6.10-6.71	7-10	25	Medium dense, light brown, fine to coarse SAND, some Silt, trace Gravel. (A-4)			FILTER SAND
25'	7.6	S-4	0.03	7.62-8.23	8-12	33	Hard, light brown, SILT, little medium coarse Sand with white Clay lenses. (A-7-6)			19mm SOLID SCH. 40 PVC RISER

REMARKS

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.

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Depth (feet)	Depth (meters)	Sample Information					Sample Description & Classification	Stratum Desc.	Rmks.	Equipment Installed
		No.	Rec. (m)	Depth (m)	Blows/0.15m	N Value				
		S-5	0.23	9.14-9.75	9-12	30	Hard, light brown, SILT, little fine Sand with white Clay lenses. (A-7-6)			9.14m
35'	10.7	S-6	0.48	10.67-11.28	5-11	27	Very stiff, light brown, SILT, little fine Sand with white Clay lenses and reddish brown, medium Sand and Silt lenses. (A-7-6)			19mm ID SCH. 40 PVC SCREEN (0.01" SLOT) 12.19m
40'	12.2	S-7	0.56	12.19-12.80	10-20	46	Hard, light brown, SILT, little fine Sand with white Clay lenses and reddish brown Silt lenses. (A-7-6)			
45'	13.7	S-8	0.41	13.72-14.33	10-19	45	Hard, light brown, CLAY and SILT, trace fine Sand with white Clay lenses and reddish brown, fine to medium Sand lenses. (A-7-6)	LACUSTRINE		FILTER SAND
50'	15.2	S-9	0.53	15.24-15.85	14-27	71	Hard, light brown, SILT, trace fine to medium Sand with white Clay seams and lenses and reddish brown, fine Sand lenses. (A-7-6)			
55'	16.8	S-10	0.61	16.76-17.37	10-18	46	Hard, reddish brown, SILT, little fine Sand with brown, fine Sand seams, white Clay seams and reddish brown, fine Sand lenses. (A-7-6)			

REMARKS

1. Laboratory AASHTO classifications performed on S-8 and S-9.

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Boring No.: 8+605, 7m R

BOTTOM OF PIER FOOTING EL. 223.500 METERS

**STATE OF VERMONT
AGENCY OF TRANSPORTATION**

Town Of	BENNINGTON	Bridge No.	B12
Highway No.	VT RTE 279	Log Sta.	
		Surv. Sta.	
VT ROUTE 279 OVER FURNACE BROOK			
BORING LOGS (2 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
PROJECT	BENNINGTON	Date	04/10/2007
		PROJECT NO.	AC NH FO19-I(53)
TVGA CAD Drawing No.	FBBL02.dgn	Date	04/10/2007
Bridge Sheet No.	BR507	Sheet	199 of 577

