Metric

PARTIAL BORING LOG B-21C

GZA GeoEnvironmental, Inc. *Engineers and Scientists*

Bennington Bypass North
Bennington, Vermont

Boring No.: B-21C
Page: 1 of 2
File No.: 15634
Check: TAD

Contractor: New Hampshire Boring
Foreman: M. Misiaszek
Logged by: J. Gaudreau
Date Start/Finish: 9-21-99 / 9-22-99
Boring Location: ~6+370, 7m R
GS Elev.: 276.36m Datum: NGVD

	Auger/ Casing	Sampler
Type:	ODEX	SS
I.D. (mm):	102	35
Hammer Wt.:	NA	63.5kg
Hammer Fall:	NA	0.76m

Rig Type: CME 750 ATV

GROUNDWATER READINGS

Date	Time	Depth	Casing	Stab
NO MEASUREMENTS TAKEN				

Depth (feet)	Depth (meters)	No.	Rec. (m)	Depth (m)	Blows/ 0.15m	N Value	Sample Description & Classification	Stratum Desc.	Rmks.	Equipment Installed
		S-1	0.10	0-0.35	4-3	15	Medium dense, light brown, GRAVEL, some fine to medium Sand, trace Silt. (A-1-b)	TOPSOIL 0.30m		NO EQUIPMENT INSTALLED
					12-46					
5'	1.5									
10'	3.0	S-2	0.30	3.05-	34-43	75	Very dense, brown, fine to medium SAND and Gravel, little gray Silt. (A-1-b)	ABLATION TILL		
				3.56	32-					
					100/					
					76mm					
15'	4.6									
20'	6.1	S-3	0.13	6.10-	100/	100	Very dense, grayish brown, fine SAND, some Gravel, little Silt. (A-1-b)			
				6.25	127mm					
25'	7.6							9.12m		

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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PARTIAL BORING LOG B-21C (CONT'D)

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Hammer Wt.:	NA	63.5kg
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Rig Type: CME 750 ATV

GROUNDWATER READINGS

Date	Time	Depth	Casing	Stab
NO MEASUREMENTS TAKEN				

Depth (feet)	Depth (meters)	No.	Rec. (m)	Depth (m)	Blows/ 0.15m	N Value	Sample Description & Classification	Stratum Desc.	Rmks.	Equipment Installed
		S-4	0.03	9.14-	100/	100	Very dense, grayish brown, fine SAND and Silt. (A-4)			NO EQUIPMENT INSTALLED
				9.17	25mm					
35'	10.7							LODGEMENT TILL		
40'	12.2	S-5	0.05	12.19-	104/	104	Very dense, brown, fine to coarse SAND, some Silt, little Gravel. (A-2-4)			
				12.34	152mm					
45'	13.7	S-6	0.04	13.72-	100/	100	Very dense, grayish brown, medium to coarse SAND, little Silt, trace Gravel. (A-2-4)			
				13.82	76mm					
50'	15.2	S-7	0	15.24-	100/	100	No recovery.			
				15.29	51mm			15.85m		
							Bottom of boring at 15.85 meters below ground surface. Casing refusal.			
55'	16.8									

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Boring No.: B-21C

* BOTTOM OF FOOTING, ABUT. 2 - EL. 264.000

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of BENNINGTON	Bridge No. B15, B15N, B15S
Highway No. VT RTE 279	Log Sta. / Surv. Sta.
VT ROUTE 279 & RAMPS OVER ROARING BRANCH OF WALLOOMSAC RIVER	
BORING LOGS (SHEET 8 OF 33)	
Designed By GZA	Drawn By L.R. DELL
Checked By GZA Date 04/06	Bridge Design Supervisor K.M. WOJTKOWSKI Date 04/06
PROJECT BENNINGTON	PROJECT NO. AC NH 019-1(51)
TVGA CAD Drawing No. BL08.dgn	Date 02/02/2009
Bridge Sheet No. BR214	Sheet 201 of 367

TVGA CONSULTANTS