



**BORING LOG  
BB 435**

**BORING LOG (CONT'D.)  
BB 435**

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BB 435**

GZA GEOTECHNICAL OF NEW YORK 3699 WEST HENRIETTA RD., ROCHESTER, NEW YORK		PROJECT U.S. Route 7 Bennington Bypass Bennington, Vermont FILE NO.: 13417		ROADWAY STATION 9+269 OFFSET 28 MR		SHEET 1 of 3			
CONTRACTOR Capital Environmental Drilling Services DRILLER Mark Volzinger GZA REPRESENTATIVE TRS/NJS CHECKED BY VRX		BORING TYPE BB East Rd. (Park St. Ext.) Bridge, N. Abut. GROUND SURFACE ELEVATION 243.2 DATUM NVD START DATE 11/07/94 END DATE 11/08/94		WATER LEVEL DATA					
TYPE OF DRILL RIG Mobile Drill B-53		DATE		TIME		REMARKS			
CASING SIZE AND TYPE 4 inch I.D. Flush Joint Casing		11/08/94		0700		10.5' 34' Stabilized 14 hours			
OVERBURDEN SAMPLING METHOD 2 inch O.D. x 24 inch long split spoon		11/08/94		1050		13.3 None Upon completion			
ROCK DRILLING METHOD									
DEPTH (M)	DEPTH (FT)	SAMPLE				SAMPLE DESCRIPTION	CASING DEPTH (FT)	STRATUM DESCRIPTION	NOTES
		BLOWS / 6"	NO.	DEPTH (FT)	N-VALUE / ROD(%)				
0.3	1	4	S-1	0-2	14	50	1 - 8	GRANULAR FILL	
0.6	2	8					2 - 15		2 ft.
0.9	3						3 - 15		
1.2	4	4	S-2	4-6	9	30	4 - 15		
1.5	5	4					5 - 4	WEATHERED GLACIAL TILL	
1.8	6	7					6 - 8		
2.1	7						7 - 12		
2.4	8						8 - 10		8 ft.
2.7	9	48	S-3	9-11	90	5	9 - 35	Very dense, tan, fine SAND, little silt, wet.	
3.0	10	44					10 - 35		
3.4	11	46					11 - 57		
3.7	12	38	S-4	11-13	50	70	12 - 26	Dense, light brown, fine to coarse SAND, little clayey silt, trace fine to coarse gravel, wet	
4.0	13	22					13 - 45		GLACIAL TILL
4.3	14	30					14 - 80		
		73	S-5	14-14.8	100+	50		See sheet 2	

BOTTOM OF ABUT. 2 FOOTING  
EL. 237.150 m

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		BLOWS / 6"	NO.	DEPTH (FT)	N-VALUE / ROD(%)				
4.6	15	100/2"					15 - 63	Hard, yellow-brown, SILT & CLAY and fine to coarse sand, trace fine gravel, moist.	
4.9	16						16 - 102		GLACIAL TILL
5.2	17						17 - NR		
5.5	18						18 - 129		
5.8	19	55	S-6	19-20.5	100+	95	19 - 183	Very dense, brown, fine to coarse SAND, some silt & clay, trace fine gravel, moist.	
6.1	20	107					20 - 111		
6.4	21	200/5					20.5 - 200/6"		
6.7	22						21 - 98/6"		
7.0	23						22 - 199		
7.3	24	56	S-7	24-24.6	100+	100	23 - 357	Very dense, brown, fine to coarse SAND, some silt & clay, little fine to coarse gravel, moist.	
7.6	25	100/0"					24 - 369/6"		
7.9	26						25 - 423		
8.2	27						26 - 587		
8.5	28								
8.8	29	81	S-8	29-29.8	100+	100	27 - 199	Hard, yellow-brown, SILT & CLAY and fine to coarse sand, trace fine gravel, moist.	
9.1	30	100/2"					28 - 199		
9.4	31								
9.7	32								
10.0	33								

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CONTRACTOR Capital Environmental Drilling Services DRILLER Mark Volzinger GZA REPRESENTATIVE TRS/NJS CHECKED BY VRX		BORING TYPE BB East Rd. (Park St. Ext.) Bridge, N. Abut. GROUND SURFACE ELEVATION 243.2 DATUM NVD START DATE 11/07/94 END DATE 11/08/94		WATER LEVEL DATA					
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ROCK DRILLING METHOD									
DEPTH (M)	DEPTH (FT)	SAMPLE				SAMPLE DESCRIPTION	CASING DEPTH (FT)	STRATUM DESCRIPTION	NOTES
		BLOWS / 6"	NO.	DEPTH (FT)	N-VALUE / ROD(%)				
10.3	34	20	S-9	34-36	17	20	10.3 - 34	Medium dense, brown, fine to coarse GRAVEL, some fine to coarse sand, some silt & clay, wet.	
10.6	35	6					10.6 - 35		GLACIAL TILL
10.9	36	38					10.9 - 36		
11.2	37	37	S-10	36-38	100+	60	11.2 - 37	Hard, yellow-brown, SILT & CLAY and fine to coarse sand, trace fine gravel, moist.	
11.5	38	59					11.5 - 38		
11.8	39	82					11.8 - 39		
12.1	40	114					11.8 - 39		
12.4	41	147	S-11	39-40.3	100+	35	12.1 - 40	Very dense, brown, fine to coarse SAND, some silt & clay, moist.	
12.7	42	117					12.1 - 40		
13.0	43	100/3"					12.4 - 41		
13.3	44						12.7 - 42		
13.6	45	100/2"	S-12	44-44.2	100+	0	13.0 - 43	No recovery. Bottom of boring at 44.2'.	
13.9	46						13.3 - 44		
14.2	47						13.6 - 45		
14.5	48						13.9 - 46		
14.8	49						14.2 - 47		
15.1	50						14.5 - 48		
15.4	51						14.8 - 49		
15.7	52						15.1 - 50		

NOTE:  
ENGLISH AND METRIC UNITS THAT WERE USED ON THE ORIGINAL BORING LOGS HAVE BEEN RETAINED.

**STATE OF VERMONT  
AGENCY OF TRANSPORTATION**

Town Of **BENNINGTON** Bridge No. **B11**

Highway No. **TH 5** Log Sta.   
Surv. Sta.

**EAST ROAD OVER VT ROUTE 279**

**BORING LOGS (3 OF 9)**

Designed By **S. BURBANK** Drawn By **A. THIBAUT**

Checked By **M. CHENETTE** Date **11/04** Bridge Design Supervisor **G. BOGUE** Date **03/07**

PROJECT **BENNINGTON** PROJECT NO. **AC NH 019-1(53)**

Dgn.: **...Design\NER-Bore3.dgn** Plot Date: **5/25/2011**

Bridge Sheet No. **BR607** Sheet **254** of **577**

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