



BORING LOG B-504

	GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>		Bennington Bypass North Bennington, Vermont		Boring No.: B-504 Page: 1 of 3 File No.: 15634.16 Check: DGL				
	Contractor: Geologic-Earth Exploration		Auger/ Casing Sampler Type: ODEX SS I.D.: 108 mm 35 mm		GROUNDWATER READINGS				
	Foreman: Tim Tucker/Charlie O'Donnell								
	Logged by: L. Charest		Hammer Wt.: NA 63.5 kg Hammer Fall: NA 0.76 m		Date	Time	Depth	Casing	Stab
	Date Start/Finish: 7-25-06 / 7-25-06				Not	measured			
	Boring Location: NB 6+255.2, 3.0m L		Rig Type: CME750 ATV						
GS Elev.: 250.68m Datum: NAVDB88									

Sample Information					Description & Classification	Stratum Desc.	Remarks	Equipment Installed
Depth (m)	No.	Pen./ Rec. (m)	Depth (m)	Blows (/0.15m)				N Value
								No Equipment Installed
	S-1	0.61/ 0.46	3.66- 4.27	7-10 13-23	23	Advanced borehole through nested cobbles and boulders from 0 to 3.66 meters (0 to 12 feet) below ground surface using an ODEX hammer.		
	S-2	0.61/ 0.58	4.27- 4.88	9-10 17-20	27	Medium dense, light brown, SILT, some fine Sand, little Gravel with white, Clayey Silt lenses. (A-4) Medium dense, light brown, SILT, little Gravel, little fine Sand with white, Clayey Silt lenses. (A-4)	FLUVIAL	
5	S-3	0.61/ 0.56	5.79- 6.40	10-18 18-19	36	Dense, light brown, SILT, some fine Sand, trace Gravel with white, Clayey Silt lenses. (A-4)		
	S-4	0.61/ 0.53	7.32- 7.92	13-18 20-26	38	Dense, light brown, SILT, some fine Sand with white, Clayey Silt lenses. (A-4)	LACUSTRINE	
	S-5	0.61/ 0.53	8.84- 9.45	14-18 19-20	37	Dense, light brown, SILT, some fine Sand with white, Clayey Silt lenses. (A-4)		

REMARKS

All depth measurements are approximate. Stratification lines represent approximate boundary 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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BORING LOG B-504 (CONT'D)

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Sample Information							Stratum Desc.	Remarks	Equipment Installed		
Depth (m)	No.	Pen./ Rec. (m)	Depth (m)	Blows (/0.15m)	N Value	Sample Description & Classification					
	S-6	0.61/ 0.53	10.36- 10.97	8-13 21-25	34	Dense, light brown, SILT, some fine Sand with white, Clayey Silt lenses and seams. (A-4)	LACUSTRINE				
	S-7	0.61/ 0.46	11.89- 12.50	7-18 28-30	46	Dense, light brown, SILT, little fine Sand with white, Clayey Silt lenses. (A-4)					
	S-8	0.61/ 0.58	13.41- 14.02	10-14 22-25	36	Dense, light brown, SILT, some fine Sand with white, Clayey Silt lenses and seams. (A-4)					
15	S-9	0.61/ 0.58	14.94- 15.54	13-19 37-35	56	Very dense, light brown, SILT, little fine Sand with white and brown, Clayey Silt lenses. (A-4)					
	S-10	0.61/ 0.48	16.46- 17.07	15-24 37-49	61	Very dense, light brown, SILT, little fine Sand with white, Clayey Silt lenses and seams. (A-4)					
	S-11	0.61/ 0.41	17.98- 18.59	19-37 54-68	91	Very dense, light brown, SILT, little fine Sand with white, Clayey Silt lenses and seams. (A-4)					
	S-12	0.56/ 0.38	19.51- 20.07	20-32 57-100/102 mm	89	Very dense, light brown, SILT, trace fine Sand with white, Clayey Silt lenses. (A-4)					
20	S-13	0.61/ 0.43	21.03- 21.64	12-24 51-80	75	Very dense, light brown, SILT, little fine Sand with white and dark brown, Clayey Silt lenses and seams. (A-4)					

SOIL BORE LOG SHEET 12/14/06
 GZA
 M
 A
 P
 K
 S

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BORING LOG B-504 (CONT'D)

[illegible]

* BOTTOM OF DRILLED SHAFT, FUTURE NB VT ROUTE 279, PIER 3 - EL. 221.95

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of	BENNINGTON	Bridge No. B15, B15N, B15S
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Highway No. VT RTE 279	Log Sta.
	Surv. Sta.

VT ROUTE 279 & RAMPS OVER ROARING BRANCH OF WALLOOMSAC RIVER

BORING LOGS (SHEET 23 OF 33)

Designed By GZA	Drawn By L.R. DELL
Checked By Date	Bridge Design Supervisor

GZA	06/08	K.M. WOJTKOWSKI Date 06/08
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PROJECT	PROJECT NO.
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BENNINGTON	AC NH 019-1(51)
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IVGA CAD Drawing No. BL23.dgn	Date	02/02/2007
Bridge Sheet No. BR230	Sheet 216	of 363

Bridge sheet No. THREE SHEET TWO OF TWO

TVGA
CONSULTANTS