

PARTIAL BORING LOG B-114 (CONT'D)

PARTIAL BORING LOG B-115 (OW)

PARTIAL BORING LOG B-115 (OW) (CONT'D)

GZA		BENNINGTON BYPASS NORTH BENNINGTON, VERMONT		BORING NO.: B-114					
GZA		BENNINGTON BYPASS NORTH BENNINGTON, VERMONT		PAGE: 2 OF 3					
GZA		BENNINGTON BYPASS NORTH BENNINGTON, VERMONT		FILE NO.: 22724					
GZA		BENNINGTON BYPASS NORTH BENNINGTON, VERMONT		CHECK: DGL					
DEPTH (M)	NO.	PEN. / REC. (M)	DEPTH (M)	BLOWS (/0.15M)	N VALUE	DESCRIPTION & CLASSIFICATION	STRATUM DESC.	REMARKS	EQUIPMENT INSTALLED
9.14-9.75	S-4	0.61 / 0.51	9.14-9.75	12-22 / 28-30	50	HARD, LIGHT BROWN, CLAYEY SILT, LITTLE FINE SAND WITH WHITE, CLAYEY SILT LENSES. (A-4)			
10.67-11.28	S-5	0.61 / 0.38	10.67-11.28	18-22 / 49-63	71	HARD, LIGHT BROWN, CLAYEY SILT, LITTLE FINE SAND, TRACE GRAVEL WITH WHITE, CLAYEY SILT LENSES. (A-4)			
12.19-12.80	S-6	0.61 / 0.51	12.19-12.80	17-21 / 29-41	50	HARD, LIGHT BROWN, CLAYEY SILT, LITTLE FINE SAND WITH WHITE, CLAYEY SILT LENSES. (A-4)	LACUSTRINE		
13.72-14.33	S-7	0.61 / 0.56	13.72-14.33	17-32 / 42-67	74	HARD, LIGHT BROWN, CLAYEY SILT, TRACE FINE SAND WITH GRAY, SILT & CLAY SEAMS AND BROWN, SILT LENSES. (A-4)	LACUSTRINE		
15.24-15.85	S-8	0.61 / 0.41	15.24-15.85	22-38 / 50-95	88	VERY DENSE, LIGHT BROWN, SILT, SOME FINE SAND WITH WHITE, CLAYEY SILT LENSES. (A-4)			
16.76-17.37	S-9	0.61 / 0.46	16.76-17.37	19-32 / 52-76	84	VERY DENSE, LIGHT BROWN, SILT, SOME FINE SAND WITH GRAY, FINE TO MEDIUM SAND SEAMS AND WHITE, CLAYEY SILT LENSES. (A-4)			
18.29-18.90	S-10	0.61 / 0.46	18.29-18.90	28-44 / 64-85	108	HARD, GRAY, CLAYEY SILT, TRACE FINE SAND WITH LIGHT BROWN, SILT LENSES. (A-4)			

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GZA		BENNINGTON BYPASS NORTH BENNINGTON, VERMONT		CHECK: DGL					
CONTRACTOR: NEW HAMPSHIRE BORING									
FOREMAN: MIKE MISIASZEK									
LOGGED BY: JADE GAUDREAU									
DATE START/FINISH: 7-9-01 / 7-12-01									
BORING LOCATION: NB 6+21 O.B. 17.1M R									
GS ELEV.: 253.54M DATUM: NAVD83									
AUGER/CASING/SAMPLER: HW S.S.									
I.D.: 76MM 35MM									
DATE TIME DEPTH CASING STAR: 7/12/01 1140 10.06M 19.35M 0.5 HR									
HAMMER WT.: 136.1KG 63.5KG									
HAMMER FALL: 0.61M 0.76M									
RIG TYPE: CME 750X ATV									
DEPTH (M)	NO.	PEN. / REC. (M)	DEPTH (M)	BLOWS (/0.15M)	N VALUE	DESCRIPTION & CLASSIFICATION	STRATUM DESC.	REMARKS	EQUIPMENT INSTALLED
0.00-0.61	S-1A/B	0.61 / 0.30	0.00-0.61	13-39 / 35-30	74	S-1A (TOP 0.15M): VERY DENSE, BROWN, FINE TO COARSE SAND, LITTLE SILT, TRACE ROOT FIBERS. (A-2-4) S-1B (BOTTOM 0.15M): VERY DENSE, LIGHT BROWN, FINE TO COARSE SAND, LITTLE GRAVEL, TRACE SILT. (A-1-B)	TOPSOIL		FLUSH-MOUNTED ROADWAY BOX CONCRETE SEAL
0.61-4.57	S-2	0.61 / 0.38	4.57-5.18	6-9 / 16-19	25	VERY STIFF, LIGHT BROWN, CLAYEY SILT, SOME FINE SAND WITH WHITE, CLAYEY SILT LENSES. (A-4)	FLUATIAL		51MM ID SOLID SCH 40 PVC WELL RISER DRILL CUTTINGS
4.57-6.10	S-3	0.61 / 0.48	6.10-6.71	18-28 / 32-28	60	HARD, LIGHT BROWN, SILT & CLAY, SOME FINE TO COARSE SAND WITH WHITE, CLAYEY SILT LENSES AND DARK BROWN, FINE SAND LENSES. (A-4)	LACUSTRINE		5.18M BENTONITE SEAL 5.49M 6.10M
6.10-7.62	S-4	0.61 / 0.48	7.62-8.23	12-22 / 46-52	68	HARD, LIGHT BROWN, SILT & CLAY, SOME FINE SAND WITH WHITE, CLAYEY SILT LENSES AND DARK BROWN, FINE TO MEDIUM SAND LENSES. (A-4)			51MM ID SLOTTED SCH 40 PVC WELL SCREEN (0.3MM SLOT) FILTER SAND

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9.14-9.75	S-5	0.61 / 0.48	9.14-9.75	13-16 / 15-26	31	HARD, LIGHT BROWN, CLAYEY SILT, LITTLE FINE TO COARSE SAND, TRACE GRAVEL WITH BROWN, FINE SAND LENSES. (A-4)			51MM SCH 40 PVC CAP 3.14M BENTONITE SEAL 3.45M
10.67-11.28	S-6	0.61 / 0.33	10.67-11.28	29-36 / 28-35	64	HARD, LIGHT BROWN, CLAYEY SILT, SOME FINE SAND WITH DARK BROWN, FINE TO COARSE SAND SEAMS AND WHITE, CLAYEY SILT LENSES. (A-4)	LACUSTRINE		
12.19-12.80	S-7	0.61 / 0.53	12.19-12.80	15-34 / 37-56	71	HARD, LIGHT BROWN, CLAYEY SILT, SOME FINE SAND WITH BROWN, WHITE, CLAYEY SILT LENSES. (A-4)			
13.72-14.33	S-8	0.61 / 0.53	13.72-14.33	20-26 / 34-44	60	HARD, LIGHT BROWN, CLAYEY SILT, SOME FINE SAND, TRACE GRAVEL WITH BROWN, FINE TO MEDIUM SAND LENSES AND WHITE, CLAYEY SILT LENSES. (A-4)			
15.24-15.85	S-9	0.61 / 0.25	15.24-15.85	34-30 / 32-48	62	ADVANCED ROLLER BIT THROUGH GRAVEL LAYER FROM APPROXIMATELY 14.94 TO 15.24 METERS (49 TO 50 FEET) BELOW GROUND SURFACE. HARD, LIGHT BROWN, CLAYEY SILT, LITTLE FINE SAND WITH WHITE, CLAYEY SILT LENSES. (A-4)	14.94M GRAVEL 15.24M		FILTER SAND
16.76-17.37	S-10	0.61 / 0.36	16.76-17.37	12-18 / 25-28	43	VERY DENSE, LIGHT BROWN, SILT, SOME FINE SAND, LITTLE GRAVEL WITH WHITE AND GRAY, CLAYEY SILT LENSES. (A-4)	LACUSTRINE		
18.29-18.90	S-11	0.61 / 0.48	18.29-18.90	26-32 / 70	70	VERY DENSE, LIGHT BROWN, SILT, LITTLE FINE SAND			

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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* BOTTOM OF FOOTING, ABUT. 1 - EL. 256.500

**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 WALLOWAC RIVER

BORING LOGS (SHEET 11 OF 33)

Designed By **GZA** Drawn By **L.R. DELL**
 Checked By **GZA** Date **05/06** Bridge Design Supervisor **K.M. WOJTKOWSKI** Date **05/06**
 PROJECT **BENNINGTON** PROJECT NO. **AC NH 019-1(51)**
 TVGA CAD Drawing No. **BL11.dgn** Date **02/02/2009**
 Bridge Sheet No. **BR217** Sheet **204** of **367**

