



PARTIAL BORING LOG B-117 (OW) (CONT'D)

PARTIAL BORING LOG B-117 (OW) (CONT'D)

BORING LOG B-118

SAMPLE INFORMATION		STRATUM		EQUIPMENT INSTALLED					
DEPTH (M)	NO.	PEN. / REC. (M)	DEPTH (M)	BLOWS (/0.15M)	N VALUE	DESCRIPTION & CLASSIFICATION	STRATUM DESC.	REMARKS	EQUIPMENT INSTALLED
11	S-6	0.61 / 0.41	10.36-10.97	16-34 / 28-40	62	VERY DENSE, LIGHT BROWN, SILT, SOME FINE SAND WITH WHITE, CLAYEY SILT LENSES. (A-4)			
12	S-7	0.61 / 0.48	11.89-12.50	13-23 / 26-34	49	DENSE, LIGHT BROWN, SILT, SOME FINE SAND WITH WHITE, CLAYEY SILT LENSES. (A-4)			
14	S-8	0.61 / 0.36	13.41-14.02	12-25 / 34-35	59	HARD, WHITE, SILT & CLAY, TRACE FINE SAND WITH LIGHT BROWN, CLAYEY SILT LENSES. (A-4)		FILTER SAND	
15	S-9	0.61 / 0.36	14.94-15.54	15-41 / 86-89	127	VERY DENSE, LIGHT BROWN, SILT, LITTLE GRAVEL, TRACE FINE SAND WITH WHITE, CLAYEY SILT SEAMS. (A-4)	LACUSTRINE		
17	S-10	0.61 / 0.41	16.46-17.07	32-52 / 58-70	110	VERY DENSE, LIGHT BROWN, SILT, LITTLE FINE SAND WITH WHITE, CLAYEY SILT LENSES. (A-4)			
18	S-11	0.61 / 0.48	17.98-18.59	25-45 / 50-27	95	VERY DENSE, LIGHT BROWN, SILT, LITTLE FINE SAND WITH WHITE, CLAYEY SILT LENSES. (A-4)			
20	S-12	0.53 / 0.46	19.51-20.04	26-32 / 52-100 / 76MM	84	VERY DENSE, LIGHT BROWN, SILT, LITTLE FINE SAND WITH WHITE, CLAYEY SILT LENSES. (A-4)			
21	S-13	0.46 / 0.41	21.03-21.49	27-44 / 100 / 152MM	>100	VERY DENSE, LIGHT BROWN, SILT, LITTLE FINE SAND, TRACE GRAVEL WITH WHITE, CLAYEY SILT SEAMS. (A-4)			

SAMPLE INFORMATION		STRATUM		EQUIPMENT INSTALLED					
DEPTH (M)	NO.	PEN. / REC. (M)	DEPTH (M)	BLOWS (/0.15M)	N VALUE	DESCRIPTION & CLASSIFICATION	STRATUM DESC.	REMARKS	EQUIPMENT INSTALLED
22	S-14	0.58 / 0.51	22.56-23.14	15-38 / 61-100 / 127mm	99	Very dense, light brown, SILT, little fine Sand with brown, fine Sand and Silt lenses and white, Clayey Silt seams. (A-4)			
24	S-15	0.61 / 0.33	24.08-24.69	35-55 / 67-100	112	Very dense, light brown, SILT, little fine Sand with brown, fine Sand and Silt lenses and white, Clayey Silt seams. (A-4)			
26	S-16	0.51 / 0.30	25.60-26.11	30-56 / 81-50 / 51mm	137	Very dense, light brown, SILT, some fine Sand with brown, Silt lenses and white, Clayey Silt lenses. (A-4)			
27	S-17	0.25 / 0.20	27.13-27.38	80-100 / 102mm	>100	Very dense, light brown, SILT, little fine Sand with white, Clayey Silt lenses and brown, fine Sand and Silt lenses. (A-4)	LACUSTRINE		Filter Sand
29	S-18	0.38 / 0.23	28.65-29.03	39-76 / 50 / 76mm	>100	Very dense, light brown, SILT, some fine Sand with white, Clayey Silt lenses and light brown, Silt lenses. (A-4)			
30	S-19	0.46 / 0.36	30.18-30.63	46-60 / 100 / 152mm	>100	Very dense, light brown, SILT, some fine Sand with white, Clayey Silt lenses. (A-4)			

SAMPLE INFORMATION		STRATUM		EQUIPMENT INSTALLED					
DEPTH (M)	NO.	PEN. / REC. (M)	DEPTH (M)	BLOWS (/0.15M)	N VALUE	DESCRIPTION & CLASSIFICATION	STRATUM DESC.	REMARKS	EQUIPMENT INSTALLED
1						ADVANCED BOREHOLE THROUGH NESTED COBBLES AND BOULDERS FROM 0 TO 2.74 METERS (0 TO 9 FEET) BELOW GROUND SURFACE THE USING AN ODEX DRILL.	FLUVIAL		NO EQUIPMENT INSTALLED
3	S-1	0.61 / 0.61	2.74-3.35	7-13 / 13-18	26	VERY STIFF, LIGHT BROWN, CLAYEY SILT, LITTLE FINE SAND WITH GRAY AND WHITE, SILT & CLAY LENSES. (A-4)	2.74M		
5	S-2	0.61 / 0.48	4.42-5.03	23-23 / 26-50	49	HARD, LIGHT BROWN, CLAYEY SILT, SOME FINE SAND WITH GRAY, CLAYEY SILT LENSES AND BROWN, SILT LENSES. (A-4)	4.27M BOULDER 4.51M	1	
6	S-3	0.61 / 0.36	5.94-6.55	27-23 / 36-52	59	HARD, LIGHT BROWN, CLAYEY SILT, SOME FINE SAND WITH WHITE, CLAYEY SILT LENSES AND BROWN, SILT LENSES. (A-4)		LACUSTRINE	
8	S-4	0.61 / 0.41	7.47-8.08	26-24 / 37-70	61	HARD, LIGHT BROWN, CLAYEY SILT, SOME FINE TO MEDIUM SAND WITH WHITE, CLAYEY SILT LENSES. (A-4)			2
8						BOTTOM OF BORING AT 8.08 METERS (26.5 FEET) BELOW GROUND SURFACE. ROLLER BIT REFUSAL.	8.08M		

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. BORING NO.: B-117(OW)

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. BORING NO.: B-117(OW)

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. BORING NO.: B-118

\* BOTTOM OF DRILLED SHAFT RAMP A, PIER 7 - EL. 224.250

\* BOTTOM OF DRILLED SHAFT, RAMP A, PIER 7 - EL. 224.250

STATE OF VERMONT AGENCY OF TRANSPORTATION

Town Of	BENNINGTON	Bridge No.	BI5, BI5N, BI5S
Highway No.	VT RTE 279	Log Sta.	
		Surv. Sta.	
VT ROUTE 279 & RAMPS OVER ROARING BRANCH OF WALLOOSAC RIVER			
BORING LOGS (SHEET 13 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-(151)
TVGA CAD Drawing No.	BLI3.dgn	Date	02/02/2009
Bridge Sheet No.	BR219	Sheet	206 of 367

