

TEST BORING LOG																	
GZA GeoEnvironmental, Inc. Engineers and Scientists			Bridge #48 over Wanzer Brook Fairfield BRO 1448 (22) Fairfield, Vermont			EXPLORATION NO.: B-2 SHEET: 1 of 2 PROJECT NO: 04.0029571.00 REVIEWED BY: J. Baron			Logged By: J. Szmyt Drilling Co.: New Hampshire Boring, Inc. Foreman: Mark D'Ambrosio			Type of Rig: Acker Rig Model: Truck Drilling Method: Drive-and-Wash		Boring Location: See Plan Ground Surface Elev. (ft.): 478 Final Boring Depth (ft.): 47 Date Start - Finish: 3/20/2012 - 3/21/2012		H. Datum: NAD83 V. Datum: NAVD88	
Hammer Type: Safety Hammer Hammer Weight (lb.): 140 Hammer Fall (in.): 30 Auger or Casing O.D./I.D Dia (in.): 4.0			Sampler Type: SS Sampler O.D. (in.): 2.0 Sampler Length (in.): 24 Rock Core Size: 1.875			Groundwater Depth (ft.)											
Depth (ft)	Casing Blows/ Core Rate	Sample						SPT Value	Sample Description and Identification (Modified Burmister Procedure)	Remark	Field Test Data	Depth (ft.)	Stratum Description	Elev. (ft.)			
		No.	Depth (ft.)	Pen. (in)	Rec. (in)	Blows (per 6 in.)											
		S1	0-2	24	14	12 23 33 29	56	S1: Very dense, brown, fine to medium SAND, trace Gravel, trace Silt.			2	FILL	476.0				
5		S2	5-7	24	18	27 21 15 13	36	S2: Dense, brown, fine to medium SAND, little Gravel, little Silt.				SAND					
10		S3	10-11.3	16	0	19 79 100/4"	R	S3: No Recovery.	1		10		466.0				
15		S4	15-16.8	21	11	45 19 35 100/3"	54	S4: Very dense, brown, fine to coarse SAND and Gravel, little Silt.	2			TILL					
20		S5	20-20.4	5	4	100/5"	R	S5: Very dense, gray, fine to coarse SAND and Gravel, little Silt.			21		457.0				
25		S6	26-28	24	16	26 36 40 49	76	S6: Hard, gray, varved SILT & CLAY with fine Sand partings.				SILT AND CLAY	B.O.F. 452.50				
30																	
REMARKS 1 - Cobbles and boulders at approximately 11 feet to 14 feet below ground surface. 2 - Boulder at 16.8 feet (2.5 feet thick).																	
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Exploration No.: B-2							

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		No.	Depth (ft.)	Pen. (in)	Rec. (in)	Blows (per 6 in.)											
		S7	30-32	24	12	11 10 16 26	26	S7: Very stiff, gray, varved SILT & CLAY with fine Sand partings.									
35		S8	35-37	24	13	22 43 60 76	>100	S8: Hard, gray, varved SILT & CLAY with fine Sand partings.				SILT AND CLAY					
40		S9	40-42	24	19	16 29 33 36	62	S9: Hard, gray, varved SILT & CLAY with fine Sand partings.	3				436.0				
45												PROBABLE BEDROCK					
50								End of exploration at 47 feet.					431.0				
55																	
60																	
REMARKS 3 - Advanced roller bit into probable bedrock from approximately 42 feet to 47 feet below ground surface.																	
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GZA TEMPLATE TEST BORING; 6/29/2012; 10:27:06 AM

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PROJECT NAME: FAIRFIELD	PLOT DATE: 01-NOV-2013
PROJECT NUMBER: BRO 1448(38)	DRAWN BY: W. GAYNOR
FILE NAME: zlj072bor_02.dgn	CHECKED BY: T. KENDRICK
PROJECT LEADER: D. LANDRY	SHEET 22 OF 41
DESIGNED BY: GZA	
BORING LOGS (2 OF 4)	