

TEST BORING LOG																	
GZA GeoEnvironmental, Inc. Engineers and Scientists			Bridge #48 over Wanzer Brook Fairfield BRO 1448 (22) Fairfield, Vermont			EXPLORATION NO.: B-1 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.): 480 Final Boring Depth (ft.): 58.5 Date Start - Finish: 3/19/2012 - 3/20/2012		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.)			Date		Time		Water Depth		Stab. Time		
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.)	SPT										
		S1	0-2	24	16	6 11 9 9	20	S1: Medium dense, brown, fine to coarse SAND, little Gravel, little Silt.			2	FILL	478.0				
5		S2	5-5.7	8	3	96 100/2"	R	S2: Very dense, brown, fine to coarse SAND and Silt, little Gravel.	1			SAND					
10		S3	10-12	24	14	65 63 54 40	>100	S3: Very dense, brown, GRAVEL, some Silt, little fine to medium Sand.			10	TILL	470.0				
15		S4	15-17	24	15	23 26 35 34	61	S4: Very dense, gray, SILT.			15		465.0				
20		S5	20-22	24	18	19 21 23 27	44	S5: Hard, gray, Clayey SILT.				CLAYEY SILT					
25		S6	25-27	24	20	21 21 29 27	50	S6: Hard, gray, Clayey SILT.									
30		1 - Rock in tip of split spoon.															
REMARKS																	
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-1					

B.O.F. 452.50

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		No.	Depth (ft.)	Pen. (in)	Rec. (in)	Blows (per 6 in.)	SPT										
		S7	30-32	24	11	18 22 23 26	45	S7: Hard, gray, Clayey SILT.									
35		S8	35-37	24	14	31 45 31 46	76	S8: Hard, gray, Clayey SILT.				CLAYEY SILT					
40		S9	40-40.9	11	10	20 100/5"	R	S9: Hard, gray, Clayey SILT.			41	TILL	439.0				
45		S10	45-45.1	1	1	100/1"	R	S10: Very dense, gray, fine SAND and Silt, little Gravel.			46		454.0				
50	4:31	C1	48.5-53.5	60	60			C1: Hard, slightly weathered, gray and white, fine grained SCHIST; joints moderately dipping, close, rough, planar, fresh, tight. RQD: 22"/37%				SCHIST					
55	4:49	C2	53.5-58.5	60	58			C2: Hard, slightly weathered, gray, fine grained SCHIST; joints moderately dipping, close, rough, planar, fresh, open. RQD: 21"/35%									
	6:19																
	8:32																
	9:41																
	12:33																
	13:03																
	6:37																
	6:42																
60		End of exploration at 58.5 feet.															
REMARKS																	
2 - Cobble at 41 feet below ground surface (approximately 1 foot thick). 3 - Rock pieces observed in wash water. 4 - Probable bedrock at approximately 46 feet. Advanced roller bit into probable bedrock from 46 to 48.5 feet below ground surface and began coring.																	
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GZA TEMPLATE TEST BORING; 6/29/2012; 10:27:06 AM

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PROJECT NAME: FAIRFIELD  
PROJECT NUMBER: BRO 1448(38)  
FILE NAME: z1j072bor\_02.dgn  
PLOT DATE: 01-NOV-2013  
PROJECT LEADER: D. LANDRY  
DRAWN BY: W. GAYNOR  
DESIGNED BY: GZA  
CHECKED BY: T. KENDRICK  
BORING LOGS (1 OF 4)  
SHEET 21 OF 41

