

TEST BORING LOG																	
GZA GeoEnvironmental, Inc. Engineers and Scientists			Bridge #48 over Wanzer Brook Fairfield BRO 1448 (22) Fairfield, Vermont			EXPLORATION NO.: B-4 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.): 479 Final Boring Depth (ft.): 48.5 Date Start - Finish: 3/21/2012 - 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.)	Groundwater Depth (ft.)			
		No.	Depth (ft.)	Pen. (in)	Rec. (in)	Blows (per 6 in.)								Date	Time	Water Depth	Stab. Time
		S1	0-2	24	17	18 24 23 18	47	S1: Dense, brown, fine to coarse SAND, little Gravel, trace Silt.			2	FILL	477.0				
5		S2	5-7	24	16	19 9 6 7	15	S2: Top 12": Medium dense, brown, Clayey SILT, trace Gravel, trace fine Sand. Bottom 4": Stiff, gray, CLAY & SILT.	1								
10		S3	11-13	24	15	14 15 22 26	37	S3: Hard, gray, varved CLAY & SILT with fine Sand partings.									
15		S4	15-17	24	16	22 36 33 37	69	S4: Hard, gray, varved CLAY & SILT with fine Sand partings.				CLAY AND SILT					
20		S5	20-22	24	19	29 32 35 41	67	S5: Hard, gray, varved CLAY & SILT with fine Sand partings.									
25		S6	25-27	24	15	25 26 27 34	53	S6: Hard, gray, varved CLAY & SILT with fine Sand partings.									
30																	
REMARKS 1 - Boulder from approximately 8 feet to 11 feet below ground surface.																	
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-4							

B.O.F. 452.50

TEST BORING LOG																	
GZA GeoEnvironmental, Inc. Engineers and Scientists			Bridge #48 over Wanzer Brook Fairfield BRO 1448 (22) Fairfield, Vermont			EXPLORATION NO.: B-4 SHEET: 2 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.): 479 Final Boring Depth (ft.): 48.5 Date Start - Finish: 3/21/2012 - 3/21/2012		H. Datum: NAD83 V. Datum: NAVD88	
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		No.	Depth (ft.)	Pen. (in)	Rec. (in)	Blows (per 6 in.)								Date	Time	Water Depth	Stab. Time
		S7	30-32	24	18	29 25 27 36	52	S7: Hard, gray, varved CLAY & SILT with fine Sand partings.									
35		S8	35-37	24	19	18 31 41 45	72	S8: Top 10": Hard, gray, varved CLAY & SILT with fine Sand partings. Bottom 9": Very dense, gray, SILT and fine Sand, trace Gravel.	2			CLAY AND SILT					
40	4:13	C1	38.5-43.5	60	36			C1: Hard, slightly weathered, gray, fine grained SCHIST; primary joints low angle, moderately rough, planar, fresh and tight; secondary joints low angle, wide, decomposed and open. RQD: 14"/23%									
45	2:03	C2	43.5-48.5	60	36			C2: Hard, slightly weathered, gray, fine grained, SCHIST; joints low angle, wide, rough, stepped, decomposed, open. RQD: 7"/12%									
50	2:22																
55	3:10																
55	5:51																
55	3:27																
55	5:38																
55	7:16																
55	9:16																
55	13:05																
50								End of exploration at 48.5 feet.									
60																	
REMARKS 2 - Advanced roller bit into probable bedrock from approximately 37.5 to 38.5 feet below ground surface and began coring.																	
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GZA TEMPLATE TEST BORING; 6/29/2012; 10:27:07 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 (4 OF 4)
SHEET 24 OF 41

