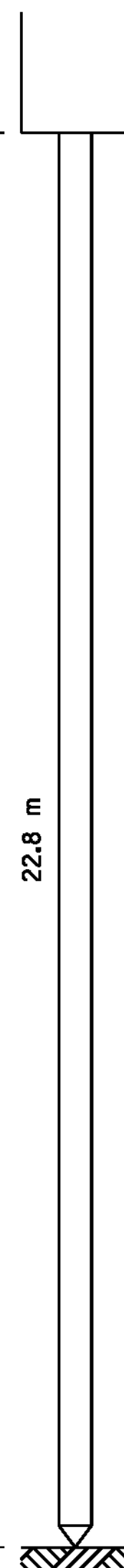


B-1
EXISTING PIER

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-1 SHEET 1 OF 1 DATE STARTED: 10/22/02 DATE COMPLETED: 10/23/02							
PROJECT NAME: NEWFANE SITE NAME: BR 14 STATION: 7+1076.30 1+134.600 GROUND EL.: 195.30		PROJECT NUMBER: BHF 0106(3) SITE NO.: TH 2 OFFSET: 2.50 -1.5 LT G.W. DEPTH: DRILLING IN RIVER							
BORING CREW CREW CHIEF: HOLT DRILLER: YOUNG LOGGER: GARROW ADDITIONAL CREW:		BORING RIG: TRUCK BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH (m)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL	PI
		Concrete Footing, 0.00m-0.81m							
		No sample, Boulders	R						
		A-4, SaSi HP, gry, Moist, Rec. = 0.07m	R	11.4	15.1	32.7	52.2		
		BXDC, Sample from core barrel A-4, SaSi HP, gry, Moist	R	13	0.9	25.3	73.8		
		A-4, SaSi HP, gry, Moist, Rec. = 0.16m	R						
		4.00m-4.11m, No Rec.	R						
5		A-1-b, SisaGr, gry, Moist, Rec. = 0.13m	R	11.4	40.7	38.7	20.6		
		6.60m-7.00m, Appeared to be Boulders or cobbles.							
		Run#1: BXDC, 7.00m-7.60m, Rec. = 0.27m, See Geologist's Report.	1	45	0	40			
		Run#2: BXDC, 7.60m-9.10m, Rec. = 0.42m, See Geologist's Report.	2	28	0	40			
		Run#3: BXDC, 9.10m-10.60m, Rec. = 0.79m, See Geologist's Report.	3	53	0	40			
10		Run#4: BXDC, 10.60m-12.10m, Rec. = 0.82m, See Geologist's Report.	4	55	0	40			
		Hole stopped @ 12.10m Could not get core barrel down core hole at this point.							
DRILLER'S NOTES: 1. Approx. station and offset. Near outer corner of this footing. 2. We did not encounter any noticeable voids while coring from 7.00m to 12.10m. 3. From top of deck to top of footing is about 6.83m.									
GEOLOGIST'S REPORT: Run#1: Dark green amphibolite, Hard, Unweathered, Poor competency. Run#2: 7.60m-7.90m, Dark green amphibolite, Hard, Unweathered, Poor competency. 7.90m-9.10m, Gray quartzo-feldspathic gneiss, Very hard, Unweathered, Poor competency. Run#3: 9.10m-9.84m, Gray quartzo-feldspathic gneiss, Very hard, Unweathered, Poor competency. 9.84m-10.60m, Dark green amphibolite, Hard, Unweathered, Poor competency. Run#4: Dark green amphibolite with felsic vein from 11.10m to 11.23m, Hard, Unweathered, Poor competency.									

BOTTOM
PILE CAP
EL 195.00

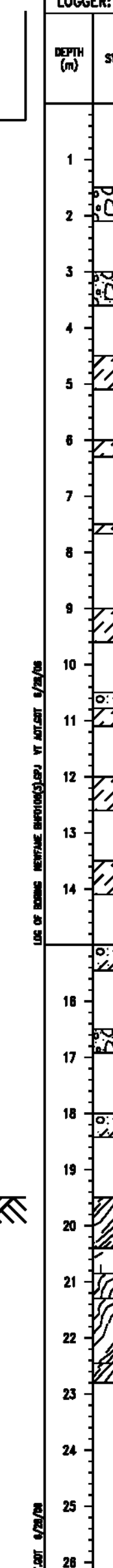


B-201
ABUTMENT I LEFT

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-201 SHEET 1 of 2 DATE STARTED: 10/24/04 DATE COMPLETED: 10/27/04					
PROJECT NAME: NEWFANE SITE NAME: BR-14 STATION: 7+1076.30 1+134.600 GROUND EL.: 195.30		PROJECT NUMBER: BHF 0106(3) SITE NO.: TH-2 OFFSET: 2.50 -1.5 LT G.W. DEPTH: DRILLING IN RIVER					
BORING CREW CREW CHIEF: HOLT DRILLER: GARROW LOGGER: PAULWAN		BORING RIG: LAG TRACK RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL CHECKED BY: DLG					
DEPTH (m)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 300mm	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		Boulder, 0.12 m - 0.44 m					
1		A-3, Sa, brn, Moist, Rec. = 0.18 m	R	16.8	12.8	81.8	5.3
		Boulder, 1.38 m - 1.76 m					
2		Appears to be going through gravel and cobbles, 2.00 m - 2.08 m					
		Boulder, No Rec., 2.08 m - 3.00 m					
3		A-2-4, GrSo, brn, Moist, Rec. = 0.32 m	R	23	18.1	23.4	15.3
4		A-1-b, GrSo, gry, Moist, Rec. = 0.38 m	R	26	10.0	38.5	15.7
5		A-1-b, GrSo, gry, Moist, Rec. = 0.34 m	R	58	10.2	40.5	14.8
6		A-4, ScSi HP, gry, Moist, Rec. = 0.34 m	R	8.7	18.8	38.5	42.7
7		BXDC, Checked out coring, 6.75 m - 7.00 m					
		A-4, SSG HP, gry, Moist, Rec. = 0.21 m	R	9.5	7.8	48.3	45.8
8		A-2-4, SSGSa, gry, Moist, Rec. = 0.45 m	R	74	9.8	32.5	31.7
		BXDC, Checked out coring, 8.70 m - 8.80 m					
		A-4, ScSi HP (*), gry, Moist, Rec. = 0.54 m	R	42	24.3	0.7	20.9
10		A-4, ScSi HP (*), gry, Moist, Rec. = 0.57 m	R	70	23.8	1.6	45.1
11		A-4, Si HP (*), gry, MTK, Rec. = 0.45 m	R	47	35.5	0.0	1.2
12		A-4, Si HP (*), gry, Moist, Rec. = 0.54 m	R	65	27.6	0.0	13.5
13		A-4, Si HP (*), gry, Moist, Rec. = 0.57 m	R	48	31.8	2.4	3.6
14		A-4, Si HP (*), gry, Moist, Rec. = 0.54 m	R	37	32.2	0.0	1.8
16		A-4, Si HP (*), gry, Moist, Rec. = 0.60 m	R	41	37.3	1.0	3.0
17		A-2-4, SSGSa, gry, Moist, Rec. = 0.33 m	R	11.2	46.2	27.2	26.6
		BXDC, Boulders, 18.33 m - 19.72 m					
20		BXDC, Boulders, broke through boulder, 18.80 m - 18.93 m					
		BXDC, Boulder, 20.20 m - 20.83 m					
21		A-1-b, GrSo, gry, Moist, Rec. = 0.27 m	R	8.1	37.8	44.5	17.9
23		Visual Class: Broken Rock, 23.00 m - 23.10 m					
		Top of bedrock @ 23.10 m					
24		Dark gray, Silty Siltst, with closely spaced jointing. Competent, Moderately hard, Unweathered, BXDC, 23.10 m - 24.60 m, Rec. = 1.42 m	R	95	35	50	
25		Dark gray, Silty Siltst, with 1.6m thick layer of white/gray Siltst. Zone of 29.43m. Moderately closely spaced jointing. Competent, Moderately hard, Unweathered, BXDC, 24.60 m - 26.10 m, Rec. = 1.50 m	R	100	58	50	
26		Hole stopped @ 26.10 m					
27		DRILLER'S NOTE: No water elevation because the hole caved in. LAB NOTE: (*) Sporadically thin layers of clay material. Tested NP.					

BOTTOM
PILE CAP
EL 195.00

PILE TIP
ESTIMATED
EL 175.8



B-202
ABUTMENT I RIGHT

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-202 SHEET 1 of 2 DATE STARTED: 10/28/04 DATE COMPLETED: 11/01/04					
PROJECT NAME: NEWFANE SITE NAME: BR-14 STATION: 7+1076.30 1+134.600 GROUND EL.: 195.30		PROJECT NUMBER: BHF 0106(3) SITE NO.: TH-2 OFFSET: 2.50 -1.5 LT G.W. DEPTH: DRILLING IN RIVER					
BORING CREW CREW CHIEF: HOLT DRILLER: GARROW LOGGER: PAULWAN		BORING RIG: LAG TRACK RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL CHECKED BY: DLG					
DEPTH (m)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 300mm	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		Some Cobbles and Boulders while driving casing, 0.00 m - 1.50 m					
1		A-1-a, SdGr, yel-brn, Moist, Rec. = 0.27 m	R	11	9.1	68.5	24.2
2		Visual Class: A-1-b, Gravel, gry, Moist, Rec. = 0.07 m, 3.00 m - 3.80 m, insufficient sample for testing.	R	49			
4		A-4, ScSi HP, gry, Moist, Rec. = 0.51 m	R	11.2	5.1	37.6	57.5
6		A-4, ScSi HP, gry, Moist, Rec. = 0.30 m	R	10.3	10.9	43.4	45.7
7		A-4, ScSi HP, gry, Moist, Rec. = 0.17 m	R	8.6	9.0	42.8	48.2
8		A-4, ScSi HP, gry, Moist, Rec. = 0.54 m	R	92	16.4	28.2	27.9
10		A-2-4, Sa, gry, Moist, Rec. = 0.80 m	R	50	22.3	0.7	84.9
		A-4, S (*), gry, Moist	R	28.3	0.0	2.5	97.5
12		A-4, S (*), gry, Moist, Rec. = 0.54 m	R	53	23.0	11.3	7.4
13		A-4, S (*), gry, Moist, Rec. = 0.54 m	R	45	33.1	0.0	4.3
14		A-2-4, SSGSa, gry, Moist, Rec. = 0.38 m	R	15.5	38.0	31.2	30.8
16		A-1-b, SSGSa, gry, Moist, Rec. = 0.24 m	R	11.3	44.3	33.8	21.8
17		A-2-4, SSGSa, gry, Moist, Rec. = 0.30 m	R	13.7	33.0	38.4	28.6
20		Top of bedrock @ 19.50 m					
		Greenish gray, Quartz-mica Siltst, with moderately close spaced jointing. Competent, Moderately hard, Unweathered, BXDC, 19.50 m - 20.40 m, Rec. = 1.15 m	1	85	57	50	
		Gray, Silty Gravel, Competent, Hard, Unweathered, 20.40 m - 20.85 m, Rec. = 0.31 m	2	89	0	50	
		Greenish gray, Quartz-mica Siltst, with thin Gneissic zones. Poor RD, Moderately hard, Unweathered, BXDC, 20.85 m - 21.30 m, Rec. = 0.45 m	3	100	89	50	
		Greenish gray, Quartz-mica Siltst, with alternating layers of Silty Gravel and Quartz Mica Siltst near end of run. Moderately close spaced jointing. Competent, Moderately hard, Unweathered, BXDC, 21.30 m - 22.45 m, Rec. = 1.50 m					
		Gray, Quartz-mica Siltst, and Silty Gravel, Competent, Moderately hard, Slightly weathered to unweathered, 22.45 m - 22.80 m					
		Hole stopped @ 22.80 m					
24		DRILLER'S NOTE: No water elevation because the hole caved in. LAB NOTE: (*) Sporadically thin layers of clay material. Tested NP.					

PROJECT NAME: NEWFANE
PROJECT NUMBER: BRF 0106(3)

FILE NAME: s95J280bor.dgn
PROJECT LEADER: C. CARLSON
DESIGNED BY: T. LACKEY
GEOTECH BORING LOGS I

PLOT DATE: 22-JUL-2011
DRAWN BY: C. MOONEY
CHECKED BY: G. SWEENEY
SHEET 23 OF 70