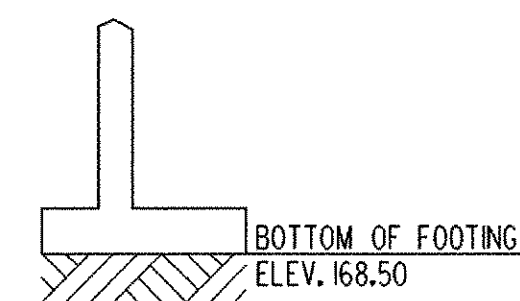
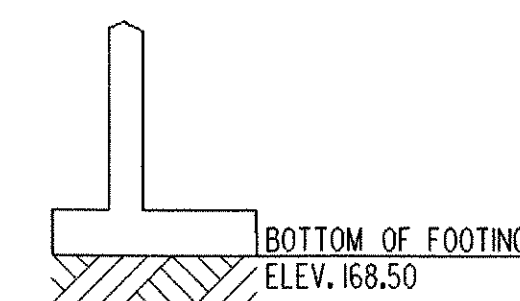


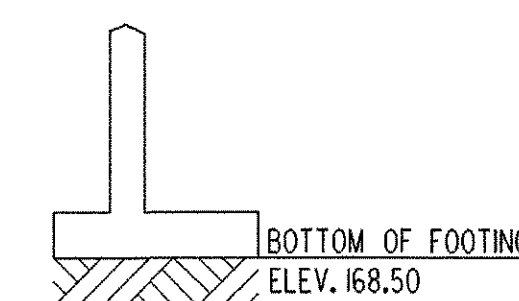
STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B4 SHEET 1 OF 1 DATE STARTED: 4/26/99 DATE COMPLETED: 4/26/99							
PROJECT NAME: WESTFORD SITE NAME: BR #2 STATION: I+097.00 GROUND EL.: 171.635		PROJECT NUMBER: TH3-9436 SITE NO.: TH #7 (NOW TH #4) OFFSET: -5.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: MCGLYNN LOGGER: CHABOT ADDITIONAL CREW: YOUNG		BORING RIG: SKID RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS <i>(Description)</i>	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		1.50m-1.58m: A-8, Organic (28.6%) Silt, W, brn, rec.=0.08m.		127.8					
		A-1-a, SaGr, W, brn, rec.=0.32m.	R	10.6	60.9	29.4	9.7		
		Top of Bedrock @ 2.36m							
		RUN#1: BXMDC 2.36m-3.12m rec.=0.70m See Geologist's Report.							
		RUN#2: BXMDC 3.12m-4.03m rec.=0.85m See Geologist's Report.							
		RUN#3: BXMDC 4.03m-4.23m, rec.=0.15m							
		RUN#4: BXMDC 4.23m-4.38m, rec.=0.13m							
		RUN#5: BXMDC 4.38m-5.59m rec.=1.14m See Geologist's Report.							
Hole Stopped @ 5.59m									
GEOLOGISTS REPORT:									
Run #1: Gray, metagraywacke. Moderately hard. Unweathered. Competent.									
Run #2: Same as Run #1.									
Run #3: Same as Run #1.									
Run #4: Same as Run #1.									
Run #5: 4.38m-5.02m, Gray phyllite. Medium hard. Unweathered. Competent. 5.02m-5.59m, Gray, metagraywacke. Moderately hard. Unweathered. Competent.									



STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B5 SHEET 1 OF 1 DATE STARTED: 4/21/99 DATE COMPLETED: 4/21/99							
PROJECT NAME: WESTFORD SITE NAME: BR #2 STATION: I+096.00 GROUND EL.: 172.561		PROJECT NUMBER: TH3-9436 SITE NO.: TH #7 (NOW TH #4) OFFSET: -1.50 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: MCGLYNN LOGGER: CHABOT ADDITIONAL CREW: YOUNG		BORING RIG: SKID RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS <i>(Description)</i>	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		* - Visual Classification							
		*Broken Rock, rec.=0.10m.	70	2					
		*Broken Rock, rec.=0.20m.	26	2.9					
		*Broken Rock, rec.=0.15m.	R						
		Top of Bedrock @ 3.51m							
		RUN#1: BXMDC 3.51m-4.72m rec.=0.80m. See Geologist's Report							
		RUN#2: BXMDC 4.72m-5.79m rec.=0.97m. See Geologist's Report							
		RUN#3: BXMDC 5.79m-6.86m rec.=0.72m. See Geologist's Report							
Hole Stopped @ 6.86m									
GEOLOGISTS REPORT:									
Run #1: Gray, metagraywacke. Moderately hard. Unweathered. Top 0.7m broken up along quartz lenses. Top 0.7m uncompetent. Remainder of Run is competent.									
Run #2: Gray, metagraywacke. Moderately hard. Unweathered. Competent.									
Run #3: Same as Run #2, but with quartz veins. Competent.									



STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B6 SHEET 1 OF 1 DATE STARTED: 4/22/99 DATE COMPLETED: 4/22/99							
PROJECT NAME: WESTFORD SITE NAME: BR #2 STATION: I+096.00 GROUND EL.: 172.062		PROJECT NUMBER: TH3-9436 SITE NO.: TH #7 (NOW TH #4) OFFSET: 4.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: MCGLYNN LOGGER: CHABOT ADDITIONAL CREW: YOUNG		BORING RIG: SKID RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS <i>(Description)</i>	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		* - Visual Classification							
		*Broken rock, rec.=0.03m	8	7.2					
		Top of Bedrock @ 3.00m							
		RUN#1: BXMDC 3.00m-4.37m rec.=0.87m. See Geologist's Report							
		RUN#2: BXMDC 4.37m-5.89m rec.=1.52m. See Geologist's Report							
		RUN#3: BXMDC 5.89m-6.49m rec.=0.60m. See Geologist's Report							
Hole Stopped @ 6.49m									
GEOLOGISTS REPORT:									
Run #1: 3.0m-3.5m, Gray, phyllite with quartz veins. Medium hard. Unweathered. Fair competency. 3.5m-4.37m, Gray, metagraywacke. Moderately hard. Unweathered. Competent.									
Run #2: 4.37m-5.15m, Gray, metagraywacke. Moderately hard. Unweathered. Competent. 5.15m-5.50m, Gray, phyllite. Medium hard. Unweathered. 5.50m-5.89m, Same as top of run.									
Run #3: Same as top of Run #2. Competent.									



SHEET NAME: BORING LOG SHEET #2	
PROJECT NAME: WESTFORD	HIGHWAY NO.: TH 4
PROJECT NUMBER: TH2 9436	BRIDGE NO.: 2
	OVER: ROGERS BROOK
FILE NAME: 94J22\Structures\sj22bor.dgn	PLOT DATE: 25-MAR-2005
PROJECT MANAGER: R. R. WHITCOMB	DRAWN BY: C. ALLEN
DESIGNED BY: C. CARLSON	IPARM NAME: sj22br2.i
BRIDGE SHEET NUMBER:	SHEET 18 OF 56