

Estimated Drilled Shaft Tip Elevation Bot Pier Ftg = 449.00

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-7B SHEET 1 OF 1 DATE STARTED: 8/14/96 DATE COMPLETED: 8/15/96							
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 106+20.00 GROUND EL.: 452.46		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: 0.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: KELLEY DRILLER: KELLEY LOGGER: CHABOT		BORING RIG: TRUCK BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-1-a, SaGr, Sat., br, Rec. = 0.4'	10	18.5	50.1	44.4	5.5		
10		A-1-a, SaGr, Wet, gr, Rec. = 0.5'	17	14.6	61.0	32.5	6.5		
			Top of bedrock @ 12.5'						
Run #1: BXMDC 12.5' - 17.5', Rec. = 4.6'			DIP (d) REC % ROD %						
			40 92 35						
Run #1: BXMDC 17.5' - 21.5', Rec. = 4.0'			30-35 80 63						
Geologist's Report:			Hole stopped @ 21.5'						
Run #1: Gray phyllitic schist with quartz veins and porphyroblasts of biotite and garnet. Moderately soft and unweathered. Competent. Low ROD due to mechanical breakage.									
Run #2: Same as Run #1 but with greater amounts of garnet porphyroblasts. Competent.									

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STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-8 SHEET 1 OF 1 DATE STARTED: 8/7/96 DATE COMPLETED: 8/8/96							
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 106+26.00 GROUND EL.: 452.12		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: 25.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: WILLIS DRILLER: CHABOT E J LOGGER: TALLMAN		BORING RIG: TRUCK BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		A-1-a, SaGr, Sat., br, Rec. = 0.6'	13	6.8	71.7	24.8	3.5		
10		A-1-a, SaGr, Sat., br, Rec. = 0.6'	60	9.6	75	21.5	3.5		
BXDC 12.0' - 13.0', boulders			Top of bedrock @ 13.5'						
Run #1: BXMDC 13.5' - 18.5', Rec. = 4.1'			DIP (d) REC % ROD %						
			30 82 7						
Run #2: BXMDC 18.5' - 23.5', Rec. = 4.8'			30 96 55						
Geologist's Report:			Hole stopped @ 23.5'						
Run #1: Light gray phyllite grading to gray phyllitic schist with quartz veins and porphyroblasts of biotite and garnet. Moderately soft. Unweathered.									
Run #2: gray phyllitic schist with quartz veins and porphyroblasts of biotite and garnet. Moderately soft. Unweathered. Competent.									

Top Abut. 2 Ftg = 459.00

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-9 SHEET 1 OF 1 DATE STARTED: 4/24/96 DATE COMPLETED: 4/25/96							
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 108+30.00 GROUND EL.: 466.70		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: -25.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: KELLEY LOGGER: CHABOT		BORING RIG: TRUCK BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		No sample, boulders.							
10		Top of bedrock @ 11.0'							
Run #1: BXMDC 11.0' - 13.0', Rec. = 1.5'			DIP (d) REC % ROD %						
			0 30 0						
Run #2: BXMDC 13.0' - 18.0', Rec. = 5.0'			40 100 92						
			55 60 60						
Run #3: BXMDC 18.0' - 21.0', Rec. = 2.9'									
Geologist's Report:			Hole stopped @ 21.0'						
Run #1: Gray recrystallized limestone. Unweathered - medium hard. May be boulder. Low ROD may be due to mechanical breakage. Rock is competent									
Run #2: Gray to dark gray quartz biotite schist. Unweathered - medium hard. Some quartz veins. Grades to gray recrystallized limestone at 16.5 feet. Rock is competent.									
Run #3: Gray recrystallized limestone with biotite schist and quartzite folded strata. Rock is competent.									

Top Abut. 2 Ftg = 459.00

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-10 SHEET 1 OF 1 DATE STARTED: 4/26/96 DATE COMPLETED: 4/26/96							
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 108+56.00 GROUND EL.: 469.25		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: -28.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: KELLEY LOGGER:		BORING RIG: TRUCK BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
5		Rock fill							
10		Top of bedrock @ 10.5'							
Run #1: 10.5' - 15.5', Rec. = 5.0'			DIP (d) REC % ROD %						
			40 94 88						
Run #2: 15.5' - 20.5', Rec. = 4.8'			25 96 85						
Geologist's Report:			Hole stopped @ 20.5'						
Run #1: Gray phyllite and phyllitic schist grading to recrystallized limestone. Unweathered - moderately hard. Rock is competent									
Run #2: Gray phyllitic schist and recrystallized limestone. Unweathered - moderately hard. Rock is competent.									

Note: all distances in feet.

SURVEYED BY R. GILMAN DATE 09/91
 DRAWN BY S. COENY DATE 09/96
 SQUAD LEADER C. BENDA
 DESIGN FILE NO. 89j099/Structures/sj099bor.dgn
 IPARM FILE sj099bo3.i DATE PLOTTED 25-SEP-2000
 PROJ. NAME ROYALTON
 PROJ. NO. BRZ 1444(22)
 BORING HOLE CHARTS 7b - 10
 SHEET 29 OF 18