

Top Abut. 2 Fig = 461.00

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-11 SHEET 1 OF 1 DATE STARTED: 4/22/96 DATE COMPLETED: 4/23/96							
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 108+26.00 GROUND EL.: 470.07		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: 0.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: KELLEY LOGGER: WILLIS		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		A-4, SaSi, Moist, br, Rec. = 1.4'	8	37.5	5.2	29.7	65.1		
			Top of bedrock @ 14.0'						
15		Run #1: BXMDC 14.0' - 19.0', Rec. = 4.6'	DIP (d) REC % ROD %						
			25	100	98				
20		Run #2: BXMDC 19.0' - 24.0', Rec. = 5.0'	30	96	96				
25		Geologist's Report: Run #1: 14.0' - 14.7': Gray biotite rich phyllite and white quartzite. Unweathered - moderately hard. Run #1: 14.7' - 19.0': Gray recrystallized limestone. Unweathered - moderately hard. Rock is competent Run #2: Same as Run #1: 14.7' - 19.0' Rock is competent	Hole stopped @ 24.0'						

Top Abut. 2 Fig = 461.00

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-12 SHEET 1 OF 1 DATE STARTED: 8/20/96 DATE COMPLETED: 8/21/96							
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 108+22.00 GROUND EL.: 482.20		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: 25.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: WILLIS 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-b, SaGr, Moist, br, Rec. = 0.2'	4	14.5	53.8	33.6	12.6		
10		A-1-b, GrSa, Moist, br, Rec. = 0.8'	14	12.2	32.8	52.4	14.8		
15		A-2-4, GrSa, Moist, br, Rec. = 0.7'	15	19.7	23.2	57.6	19.2		
20		A-1-b, GrSa, Moist, br, Rec. = 0.4'	37	16.6	32.2	54.6	13.2		
			Top of bedrock @ 21.6'						
25		Run #1: BXMDC 21.6' - 26.6', Rec. = 4.7'	DIP (d) REC % ROD %						
			25	94	32				
30		Run #2: BXMDC 26.6' - 30.6', Rec. = 3.7'	30	80	50				
35		Geologist's Report: Run #1: 21.6' - 24.4': Gray recrystallized limestone. Unweathered - medium hard. Run #1: 24.4' - 26.6': Gray phyllitic schist. Unweathered - medium hard. Rock is competent Run #2: Gray phyllitic schist. Unweathered - medium hard. Rock is competent	Hole stopped 30.6'						

Top Abut. 2 Fig = 461.00

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-13 SHEET 1 OF 1 DATE STARTED: 8/19/96 DATE COMPLETED: 8/20/96							
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 108+47.00 GROUND EL.: 482.39		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: 19.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: WILLIS 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 recovery	13						
10		A-2-4, GrSa, Moist, br, Rec. = 0.6'	7	20.5	30.2	50.2	19.6		
15		A-4, SaSi, MTW, br, Rec. = 1.2'	9	27.6	0	46.2	53.8		
20		A-2-4, SiSa, Moist, br, Rec. = 0.2'	R	17.2	19.0	61	20		
			Top of bedrock @ 20.9'						
25		Run #1: BXMDC 20.9' - 25.9', Rec. = 5.0'	DIP (d) REC % ROD %						
			50	100	62				
30		Run #2: BXMDC 25.9' - 30.9', Rec. = 5.0'	40	100	90				
35		Geologist's Report: Run #1: 20.9' - 22.3': Gray biotite rich phyllite and white quartzite. Unweathered - hard to moderately hard. Run #1: 22.3' - 25.9': Gray recrystallized limestone. Unweathered - moderately hard. Rock is competent Run #2: Gray recrystallized limestone. Unweathered - moderately hard. Rock is competent	Hole stopped @ 30.9'						

Note: all distances in feet.

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-14 SHEET 1 OF 1 DATE STARTED: 8/26/96 DATE COMPLETED: 8/26/96							
PROJECT NAME: ROYALTON SITE NAME: TH 1 STATION: 102+25.00 GROUND EL.: 482.87		PROJECT NUMBER: BRZ 1444(22) SITE NO.: BRIDGE 3 OFFSET: 0.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: WILLIS DRILLER: MCGLYNN 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
		Pavement	67	5.2	45.6	44	10.4		
		A-1-b, SaGr, Moist, br, Rec. = 1.1'	70	8.0	25	56.9	18.1		
		A-2-4, GrSa, Moist, br, Rec. = 1.0'	23	12.5	46.5	41.5	12.0		
5		A-1-b, SaGr, Moist, br, Rec. = 0.5'	14	11.7	45.9	42.5	11.6		
		A-1-b, SaGr, Moist, br, Rec. = 0.6'	11	17.8	43.8	40	16.2		
10		A-4, SaSi, Moist, br, Rec. = 0.7'	15	25.8	4.8	45.1	50.1		
		A-4, SaSi, Moist, br, Rec. = 1.4'	13	48.6	0.6	22	77.4		
15		A-4, SaSi, Moist, br, Rec. = 0.4'	7	36.4	0	34.1	65.9		
		A-4, SaSi, Moist, br, Rec. = 1.3'	18	29.5	0	40.8	59.2		
20		A-2-4, SiSa, Moist, br, Rec. = 1.0'	20	19.3	5.5	64.5	30.0		
25			Hole stopped @ 20.0'						

SURVEYED BY R. GILMAN DATE 09/91
 DRAWN BY S. COENYE DATE 09/96
 SQUAD LEADER C. BENDA
 DESIGN FILE NO. /891099/Structures/sj099bor.dgn
 IPARM FILE s1099b04.i DATE PLOTTED 25-SEP-2000
 PROJ. NAME ROYALTON
 PROJ. NO. BRZ 1444(22)
 SHEET BORING HOLE CHARTS 11 - 14
21 OF 118