

BOTTOM OF FOOTING ABUT. #1
ELEVATION = 653.00

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION				HOLE NO.: B-01 SHEET 1 OF 1 DATE STARTED: 7/1/97 DATE COMPLETED: 7/7/97					
PROJECT NAME: RANDOLPH SITE NAME: BRIDGE 42 STATION: 15+75.00 GROUND EL.: 652.18		PROJECT NUMBER: BRF 0241(29) SITE NO.: Rt.12 OFFSET: -21.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN 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-2-4, Sa, Moist, br, Rec. = 0.7'	14	13.6	18.3	66.8	14.9		
10		A-1-b, GrSa, Moist, br, Rec. = 0.9'	18	15.9	30.5	60.2	9.3		
15		A-1-a, SaGr and fractured blue stones, Moist, gr, Rec. = 0.4'	R	7.5	66.7	20.9	12.4		
20		BXDC, 20.0'-21.2' Rec. = 1.0', Boulders							
25		A-2-4, SiGrSa, Moist, gr, Rec. = 1.1'	R	16	34.1	36.9	29		
30		BXDC, 27.0'-39.4' Rec. = 1.8' Many Boulders							
35		Top of bedrock @ 39.4'							
40		Run #1: BXDC, 39.5'-44.5' Rec. = 4.5', See Geologist's Report.		DIP°	REC %	ROD %			
45		Run #2: BXDC, 44.5'-49.5' Rec. = 3.4', See Geologist's Report	RUN 1	40	90	50			
50		Run #3: BXDC, 49.5'-53.5' Rec. = 4.0', See Geologist's Report	RUN 2	30	68	53			
55		Hole stopped @ 53.5' In bedrock	RUN 3	40	100	69			
60		Geologist's Report							
65		Run #1: Blue-gray siliceous limestone. Hard. Unweathered. Competent.							
70		Run #2: Blue-gray phyllite. Medium hard to moderately hard. Unweathered. Competent.							
75		Run #3: Blue-gray phyllite. Moderately hard. Unweathered. Competent.							
80									
85									
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STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION				HOLE NO.: B-02 SHEET 1 OF 1 DATE STARTED: 6/24/97 DATE COMPLETED: 6/25/97					
PROJECT NAME: RANDOLPH SITE NAME: BRIDGE 42 STATION: 15+75.00 GROUND EL.: 644.20		PROJECT NUMBER: BRF 0241(29) SITE NO.: Rt.12 OFFSET: 20.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN 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		BXDC, 3.0'-6.0', Boulders							
10		Fractured Angular Blue Stones, 1.0'-12.0', Rec. = 0.5'	R	15.3	85.1	12.2	2.7		
15		A-2-4, SaSiGr, Wet, gr, Rec. = 0.5'	R	22.1	44.2	27.4	28.4		
20		BXDC, 15.0'-20.0', Rec. = 2.5'							
25		BXDC, 20.0'-24.0', Rec. = 1.0'							
30		A-1-b, SiSaGr, Moist, gr, Rec. = 1.0'	R	8.3	56.2	22.2	21.6		
35		BXDC, 25.0'-31.0', Rec. = 1.3', Boulders							
40		Run #1: BXDC, 31.0'-36.0' Rec. = 4.3', See Geologist's Report		DIP°	REC %	ROD %			
45		Run #2: BXDC, 36.0'-41.0' Rec. = 4.6', See Geologist's Report	RUN 1	35	86	27			
50		Geologist's Report	RUN 2	35	92	70			
55		Run #1: Blue-gray phyllite. Medium hard. Top 17" moderately to severely weathered. Remainder of core slightly weathered to unweathered. Rock is competent below 32.5 feet.							
60		Run #2: Blue-gray phyllite to 38 feet. Medium hard. Slightly weathered, to unweathered Blue-gray siliceous limestone below 38 feet. Hard. Unweathered. Rock is competent.							
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BOTTOM OF PIER FOOTING
ELEVATION = 637.67

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION				HOLE NO.: B-03 SHEET 1 OF 1 DATE STARTED: 6/12/97 DATE COMPLETED: 6/13/97					
PROJECT NAME: RANDOLPH SITE NAME: BRIDGE 42 STATION: 16+55.00 GROUND EL.: 636.01		PROJECT NUMBER: BRF 0241(29) SITE NO.: Rt.12 OFFSET: -20.00 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: TALLMAN R LOGGER: GAMMELL		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 Rec., Boulders	80						
10		BXDC, 2.6'-6.0', No Rec., Mostly Concrete	R						
15		BXDC, 6.0'-8.0', Boulders	12	18	68.7	22.8	8.5		
20		A-1-a, SaGr with trace of concrete, Wet, gr, Rec. = 0.4'	R	14.3	78.5	13	8.5		
25		BXDC, 10.0'-11.5', Boulders		DIP°	REC %	ROD %			
30		A-1-a, Gr, Wet, gr, Rec. = 0.6'	RUN 1	35	98	94			
35		Run #1: BXMDC, 12.7'-17.2' Rec. = 4.4', See Geologist's Report.	RUN 2	30	94	80			
40		Run #2: BXMDC, 17.2'-22.2', Rec. = 4.7', See Geologist's Report.							
45		Geologist's Report							
50		Run #1: Blue-gray phyllite. Moderately hard. Unweathered. Competent.							
55		Run #2: Blue-gray phyllite. Moderately hard. Unweathered. Competent.							
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BORING LOGS #1

PROJECT NAME:	RANDOLPH
PROJECT NUMBER:	BRF 0241 (29)
FILE NAME: /s/tr5/88]096/sj096bor.dgn	PLOT DATE: 29-AUG-2006
PROJECT LEADER: W. SYMONDS	DRAWN BY: J. TOUCHETTE
DESIGNED BY: W. B. SYMONDS	CHECKED BY: T. SUMNER
sj096bo2.i	SHEET 46 OF 135