



STATE OF VERMONT
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-3
SHEET 1 of 1
DATE STARTED: 1/24/92
DATE COMPLETED: 1/28/92

PROJECT NAME: ROYALTON
SITE NAME: BR-27 & BR-28
STATION: 391+35.32
OFFSET: -17.94
VTSPG: N 489273.33 ft E 1617754.92 ft

PROJECT NUMBER: BRS 0147(13)
SITE NUMBER: RT 14
GROUND ELEVATION: 504.61 ft
GROUNDWATER DEPTH: 13.1 ft
PROJECT PIN NUMBER: 86E055

BORING CREW
CREW CHIEF: McGLYNN
DRILLER: WILLIS
LOGGER: FELCH

BORING RIG:
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: CCB

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
10		A-3, Sa, gry, Moist, Rec. = 1.3 ft	7	31.2			
10		A-3, Sa, gry, Moist, Rec. = 0.8 ft	2	29.5			
10		A-2-4, Sa, gry, Moist, Rec. = 1.4 ft	17	21.6			
20		A-2-4, Sa, gry, Moist, Rec. = 1.0 ft	17	18.6			
20		A-2-4, Sa, gry, Moist, Rec. = 1.2 ft	22	19.9			
30		A-2-4, SiSa, gry, Moist, Rec. = 1.0 ft	32	22.9			
30		A-1-a, SaGr, gry, Moist, Rec. = 0.5 ft	72	9.4			
40		A-1-a, SaGr, gry, Moist, Rec. = 1.0 ft	63	7.5			
40		Boulders, No recovery, 45.0 ft - 47.0 ft	82				
50		A-1-a, Gr, gry, Wet	63	8.2			
50		Field Note: Gravel or soft ledge, BXDC, Rec. = 1.4					
50		Top of Bedrock @ 56.0 ft	96	39	20		
60		Core consists of gray and light gray interbedded schist and phyllite. The rock is moderately soft, unweathered, and competent overall., BXMDC, 56.0 ft - 61.0 ft, Rec. = 4.8 ft	2	84	64	20	
60		Same as Run #1, BXMDC, 61.0 ft - 66.0 ft, Rec. = 4.2 ft					
70		Hole stopped @ 66.0 ft					

BOT.
ABUT. #2
EL. 500.00

APPROX.
PILE TIP

LOG OF BORING ROYALTON BRS 0147(13) GPJ VT AOT.GOT 12/13/06



STATE OF VERMONT
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MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING NUMBER: B-4
SHEET 1 of 1
DATE STARTED: 1/17/92
DATE COMPLETED: 1/21/92

PROJECT NAME: ROYALTON
SITE NAME: BR-27 & BR-28
STATION: 391+54.31
OFFSET: 18.02
VTSPG: N 489307.02 ft E 1617777.69 ft

PROJECT NUMBER: BRS 0147(13)
SITE NUMBER: RT 14
GROUND ELEVATION: 505.36 ft
GROUNDWATER DEPTH: 12.6 ft
PROJECT PIN NUMBER: 86E055

BORING CREW
CREW CHIEF: McGLYNN
DRILLER: WILLIS
LOGGER: FELCH

BORING RIG:
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: CCB

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
10		A-4, SaSi, brn, Moist, Rec. = 2.0 ft	14	27.8			
10		A-2-4, SiSa, brn, Moist, Rec. = 1.5 ft	8	29.2			
10		A-4, SiSa, brn, Moist, Rec. = 1.0 ft	8	26.7			
10		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft	4	15.6			
10		A-1-b, GrSa, gry, Moist, Rec. = 0.7 ft	8	15.9			
10		A-2-4, GrSiSa, gry, Moist, Rec. = 1.0 ft	8	23.8			
20		A-4, SaSi, gry, Wet, Rec. = 1.4 ft	9	26.4			
20		A-4, SaSi, gry, Wet, Rec. = 1.3 ft	11	26.3			
20		A-4, SiSa, gry, Wet, Rec. = 1.0 ft	10	22.5			
20		A-4, SiSa, gry, Wet, Rec. = 0.8 ft	11	27.1			
20		A-2-4, Sa, gry, Wet, Rec. = 0.9 ft	9	23.3			
20		A-2-4, Sa, gry, Wet, Rec. = 0.8 ft	17	24.3			
20		A-2-4, SiSa, gry, Wet, Rec. = 1.9 ft	16	19.9			
20		A-2-4, SiSa, gry, Wet, Rec. = 1.0 ft	25	22.2			
30		A-2-4, SiSa, gry, Wet, Rec. = 0.9 ft	13	24.3			
30		A-2-4, SiSa, gry, Wet, Rec. = 1.0 ft	13	19.4			
30		A-2-4, Sa, gry, Wet, Rec. = 1.0 ft	18	20.3			
30		A-2-4, SiSa, gry, Wet, Rec. = 1.0 ft	27	16.6			
30		A-2-4, Sa, gry, Wet, Rec. = 1.2 ft	34	20.7			
30		A-2-4, Sa, gry, Wet, Rec. = 1.1 ft	28	22.4			
30		A-2-4, SiSa, gry, Wet, Rec. = 1.5 ft	9	19.0			
40		A-2-4, Sa, gry, Wet, Rec. = 1.3 ft	48	12.4			
50		A-1-a, Gr, gry, Wet, Rec. = 0.8 ft	32	3.6			
50		A-1-a, SaGr, gry, Wet, Rec. = 0.4 ft	22	8.4			
50		Top of Bedrock @ 59.0 ft					
60		Core consists of interbedded gray and light gray phyllite and schist. The rock is moderately soft, slightly weathered, and competent overall., BXDC, 59.0 ft - 64.0 ft, Rec. = 2.8 ft	1	56	0	20	
60		Same as Run #1, AXDC, 64.0 ft - 69.0 ft, Rec. = 1.9 ft	2	38	0	20	
70		Same as Run #1, AXDC, 69.0 ft - 74.0 ft, Rec. = 3.0 ft	3	60	0	20	
70		Hole stopped @ 74.0 ft					

BOT.
ABUT. #2
EL. 500.00

APPROX.
PILE TIP

LOG OF BORING ROYALTON BRS 0147(13) GPJ VT AOT.GOT 12/13/06

PROJECT NAME: ROYALTON
PROJECT NUMBER: BRS 0147 (13)

FILE NAME: \BR 27\86e055bor_27.dgn PLOT DATE: 08-OCT-2013
PROJECT LEADER: C. CARLSON DRAWN BY: C. MOONEY
DESIGNED BY: D. PETERSON CHECKED BY: G. ROY
BRIDGE 27 BORING LOGS (2) SHEET 34 OF 186