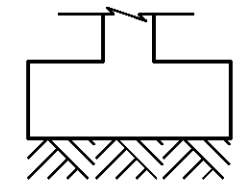


STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-204 SHEET 1 of 1 DATE STARTED: 6/19/06 DATE COMPLETED: 6/20/06						
PROJECT NAME: ROYALTON SITE NAME: BR-27 & BR-28 STATION: 415+51.00 OFFSET: 11.00 VTSPG: N 491572.74 ft E 1617181.61 ft		PROJECT NUMBER: BRS 0147(13) SITE NUMBER: RT 14 GROUND ELEVATION: 516.02 ft GROUNDWATER DEPTH: No Water Found 6/22/06 PROJECT PIN NUMBER: 86E055						
BORING CREW CREW CHIEF: GARROW DRILLER: GARROW LOGGER: RUSSELL		BORING RIG: SMALL SKID 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 (%)				
		A-4, SiSa, brn, Moist, Rec. = 1.0 ft	6	16.0	17.0	43.4	39.6	
2.5		A-4, SiSa, brn, Moist, Rec. = 0.3 ft, Sample had Concrete material that was removed before testing.	3	16.6	18.5	40.8	40.7	
5.0		Visual Class., SiSa with broken rock (possible bedrock) material, brn, Moist, Rec. = 1.3 ft	13	22.5				
		Gray, Meta-Limestone, Upper portion of core run contains zones of punky weathered limestone, Competent below 7.0', Moderately hard, NXMDC, 5.7 ft - 10.7 ft, Rec. = 4.2 ft	1	84	44	50	8	
7.5							7	
							9	
							10	
10.0							9	
		Gray, Phyllite, Competent, Moderately hard, Unweathered, NXMDC, 10.7 ft - 13.2 ft, Rec. = 4.4 ft	2	88	88	50	6	
12.5							7	
							9	
		Gray, Meta-Limestone, Competent, Moderately hard, Unweathered, 13.2 ft - 15.7 ft					10	
15.0							8	
17.5		Hole stopped @ 15.7 ft						

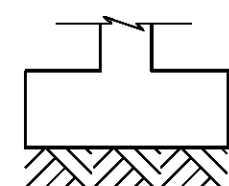
TOP OF FOOTING ABUT. #1  
EL. 513.50



LOG OF BORING ROYALTON BRS 0147(13) BOR. VT. 6/20/06 12/15/06

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-205 SHEET 1 of 1 DATE STARTED: 8/04/06 DATE COMPLETED: 8/07/06						
PROJECT NAME: ROYALTON SITE NAME: BR-27 & BR-28 STATION: 416+86.00 OFFSET: -19.50 VTSPG: N 491707.61 ft E 1617217.07 ft		PROJECT NUMBER: BRS 0147(13) SITE NUMBER: RT 14 GROUND ELEVATION: 524.51 ft GROUNDWATER DEPTH: 14.8 ft 8/07/06 PROJECT PIN NUMBER: 86E055						
BORING CREW CREW CHIEF: GARROW DRILLER: RUSSELL LOGGER: WERNER		BORING RIG: SMALL SKID 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 (%)				
		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft	2	10.8	28.5	56.2	15.3	
5		Field Class., Wood 4.0'-5.0', NXGDC No recovery, Wood in end of sampler, 5.0 ft - 7.0 ft	5					
10		A-4, Si, brn, Moist, Rec. = 0.8 ft	4	33.8	1.1	14.6	84.3	
15		A-4, SoSi, brn, Moist, Rec. = 0.3 ft A-4, SoSi with a trace of organics (2.4%), Dk/brn-gry, Moist, Rec. = 1.0 ft	5	35.4 42.8	0.5 0.0	44.0 48.4	55.5 51.6	
		Gray, Meta-Limestone, Competent, Moderately hard, Unweathered, NXMDC, 17.2 ft - 18.9 ft, Rec. = 4.7 ft	1	94	90	15	13	
20		Gray, Phyllite, Competent, Moderately hard, Unweathered, 18.9 ft - 22.2 ft					12	
							13	
							16	
							18	
		Hole stopped @ 22.2 ft						
25								

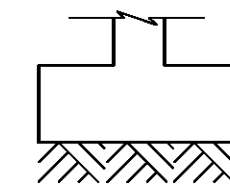
TOP OF FOOTING ABUT. #2  
EL. 510.00



LOG OF BORING ROYALTON BRS 0147(13) BOR. VT. 8/07/06 12/15/06

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-206 SHEET 1 of 1 DATE STARTED: 8/06/06 DATE COMPLETED: 8/11/06						
PROJECT NAME: ROYALTON SITE NAME: BR-27 & BR-28 STATION: 417+19.51 OFFSET: -18.00 VTSPG: N 491732.35 ft E 1617241.83 ft		PROJECT NUMBER: BRS 0147(13) SITE NUMBER: RT 14 GROUND ELEVATION: 524.42 ft GROUNDWATER DEPTH: 15.0 ft 8/11/06 PROJECT PIN NUMBER: 86E055						
BORING CREW CREW CHIEF: GARROW DRILLER: RUSSELL LOGGER: WERNER		BORING RIG: SMALL SKID 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 (%)				
		A-1-b, GrSa, brn, Moist, Rec. = 0.6 ft	4	18.9	31.9	51.5	16.6	
5		Field Note: Cleaned out casing 4.2'-5.0' with NXDC. No recovery, 5.0 ft - 7.0 ft	6					
10		A-4, SoSi, brn, Moist, Rec. = 1.3 ft	7	37.1	2.3	22.0	75.7	
15		A-2-4, SiSa, brn, Moist, Rec. = 1.0 ft	2	37.5	1.8	63.3	34.9	
20		A-4, Si, gry, Moist, Rec. = 1.6 ft	5	33.2	0.8	17.1	82.1	
		Gray, Meta-Limestone, grading to phyllite, Competent, Moderately hard, Unweathered, NXMDC, 23.5 ft - 26.5 ft, Rec. = 3.0 ft	1	100	83	30	22	
25							18	
							26	
		Alternating gray, Meta-Limestone and Phyllite, Competent, Moderately hard, Unweathered, NXMDC, 26.5 ft - 28.5 ft, Rec. = 2.0 ft	2	100	95	30	14	
							18	
		Hole stopped @ 28.5 ft						

TOP OF FOOTING ABUT. #2  
EL. 510.00



LOG OF BORING ROYALTON BRS 0147(13) BOR. VT. 8/11/06 12/15/06

PROJECT NAME: ROYALTON  
PROJECT NUMBER: BRS 0147 (13)  
FILE NAME: \BR 28\86e055bor\_28.dgn PLOT DATE: 08-OCT-2013  
PROJECT LEADER: C. CARLSON DRAWN BY: C. MOONEY  
DESIGNED BY: D. PETERSON CHECKED BY: G. ROY  
BRIDGE 28 BORING LOGS (2) SHEET 105 OF 186