

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-103 SHEET 1 OF 4 DATE STARTED: 9/27/00 DATE COMPLETED: 10/6/00							
PROJECT NAME: CORNWALL SITE NAME: BR 9 STATION: 0+744.00 GROUND EL.:		PROJECT NUMBER: BRS 0172 (6) SITE NO.: VT 125 OFFSET: -14.00 G.W. DEPTH: 0.32							
BORING CREW CREW CHIEF: YOUNG DRILLER: CHABOT LOGGER: RUSSELL ADDITIONAL CREW:		BORING RIG: UNI-MOG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL/SHELBY TUBE							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-7-6, Cl, 1.00m-1.58m, Rec. = 0.46m, 5.77% Organic, Shelby Tube U1 VS: Could only penetrate 0.2m		36	0.2	4.4	95.4	54	26
		A-7-6, Cl, 3.00m-3.59m, Rec. = 0.59m, Shelby Tube U2 VS: 13.0 KPa/remold-13.5 KPa		35.4		1.1	98.9	51	29
5		A-6, SiCl, 5.00m-5.59m, Rec. = 0.59m, Shelby Tube U3 VS: 15.0 KPa/remold-5.5 KPa		33.1		0.9	99.1	36	18
	SHELBY TUBE	7.00m-7.43m, Shelby Tube No Rec. VS: 15.5 KPa/remold-6.0 KPa Vane came back heavily damaged							
	SHELBY TUBE	9.00m-9.28m, Shelby Tube No Rec. VS: 50.5 KPa/remold-11.0 KPa							
		A-2-4, Sa, gry, Moist, Rec. = 0.38m		18	19	1.6	86.6	11.8	
		A-2-4, Sa, gry, Moist, Rec. = 0.59m		21	19.6	2.9	84.8	12.3	

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PROJECT NAME: CORNWALL SITE NAME: BR 9 STATION: 0+744.00 GROUND EL.:		PROJECT NUMBER: BRS 0172 (6) SITE NO.: VT 125 OFFSET: -14.00 G.W. DEPTH: 0.32							
BORING CREW CREW CHIEF: YOUNG DRILLER: CHABOT LOGGER: RUSSELL ADDITIONAL CREW:		BORING RIG: UNI-MOG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL/SHELBY TUBE							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-4, SaSi, gry, MTW, Rec. = 0.57m	6	20.8	0.5	24.7	74.8		
		A-4, SiSa, gry, MTW, Rec. = 0.41m	17	22.4	1.2	53.2	45.6		
		A-3, Sa, gry, MTW, Rec. = 0.46m	35	20.9	0.1	95.3	4.6		
20		A-4, SaSi, gry, MTW, Rec. = 0.60m	24	22.3	3.5	31.5	65		
		A-2-4, GrSa, gry, Moist, Rec. = 0.29m	41	13.6	28.5	58.4	13.1		
		No sample, in gravel							
		BXDC, 23.21m-24.60m, Boulders							
25		A-2-4, Sa, gry, Moist, Rec. = 0.23m	22	18.1	6	79.8	14.2		
		A-4, SiSa, gry, Moist, Rec. = 0.45m	36	14.1	4	58.2	37.8		
		A-2-4, SiSa, gry, Moist, Rec. = 0.31m	R	17.4	1.1	76	22.9		

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DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		No Rec., Stone in sampler.							
35		A-3, Sa, gry, Moist, Rec. = 0.44m	R	13.4	0.5	93.1	6.4		
		BXDC, 37.05m-37.50m, Cleaned out casing.							
		A-1-b, GrSa, gry, Moist, Rec. = 0.33m, Broken Rock was within sample.	R	12.1	22.9	69	8.1		
40		No Rec.							
		A-4, SaGrSi HP, gry, Dry, Rec. = 0.10m	R	7.1	37.3	24.2	38.5		

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DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		BXDC, 45.70m-47.20m, Boulders							
		Hole stopped @ 47.20m							

- DRILLER'S NOTES:
- Monitoring well installed at 7.62m, the well casing extends 0.98m above the ground elevation.
 - Water table is 0.32m below ground surface on 11/16/00
 - Changed to smaller casing at 16.50m.
 - 21.0m of sand in casing at 28.5m - added drilling mud, pulled casing back and readvanced casing to 28.50m.
 - Water table is 0.12m below ground surface on 03/15/01