



PROJECT NAME: CANAAN
SITE NAME: BR-16
STATION: 7+03.35
OFFSET: 21.00
VTSPG: N 885055.71 ft E 1893817.29 ft

PROJECT NUMBER: ST 0271(16)
SITE NUMBER: VT-102
GROUND ELEVATION: 1017.0 ft
GROUNDWATER DEPTH: 8.0 ft 11/09/04
PROJECT PIN NUMBER: 04C098

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: RUSSELL

BORING RIG: LARGE SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
		A-1-b, GrSa, brn, Moist, Rec. = 0.4 ft	10	17.3	31.5	48.7	19.8		
		No Recovery, 2.0 ft - 4.0 ft	5						
		A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft	5	12.6	45.3	43.1	11.6		
		A-1-b, SaGr, brn, Moist, Rec. = 0.4 ft	10	13.9	46.6	39.6	13.8		
		A-1-a, SaGr, brn, Moist, Rec. = 0.8 ft	7	14.9	51.7	37.7	10.6		
		A-1-a, SaGr, brn, Moist, Rec. = 0.7 ft	6	12.2	60.7	29.7	9.6		
		A-4, SaSi, Dk/gry, Moist, Rec. = 1.1 ft	7	21.8	0.2	37.6	62.2		
		A-4, Si, Dk/gry, Moist, Rec. = 2.0 ft	4	22.0	0.0	8.9	91.1		
		A-4, Si, Dk/gry, Moist, Rec. = 2.0 ft	3	26.5	0.0	4.8	95.2		
		A-4, Si, Dk/gry, Moist, Rec. = 2.0 ft	2	27.9	0.0	6.7	93.3		
		A-4, Si, Dk/gry, Moist, Rec. = 2.0 ft	2	25.4	0.0	4.9	95.1		
		A-4, Si, Dk/gry, Moist, Rec. = 1.2 ft	2	24.7	0.0	3.7	96.3		
		A-4, Si, Dk/gry, Moist, Rec. = 1.0 ft	3	26.3	0.0	5.0	95.0		
		A-4, Si, Dk/gry, Moist, Rec. = 1.1 ft	2	23.5	0.0	7.0	93.0		
		A-4, Si, Dk/gry, Moist, Rec. = 1.2 ft	2	26.5	0.0	3.9	96.1		
		A-4, Si, Dk/gry, Moist, Rec. = 1.0 ft	WH	29.5	0.0	2.1	97.9		
		A-4, Si, Dk/gry, Moist, Rec. = 1.1 ft	WH	27.4	0.0	1.8	98.2		
		A-4, Si, Dk/gry, Moist, Rec. = 0.8 ft	2	28.4	0.0	1.8	98.2		
		A-4, Si, Dk/gry, Moist, Rec. = 0.9 ft	WH	28.4	0.0	1.4	98.6		
		A-4, Si, Dk/gry, Moist, Rec. = 1.4 ft	WH	28.3	0.0	1.2	98.8	24	3
		A-4, Si, Dk/gry, Moist, Rec. = 1.3 ft	WH	29.2	0.0	1.4	98.6	25	3
		A-4, Si, Dk/gry, Moist, Rec. = 1.4 ft	WH	28.2	0.0	1.0	99.0	25	2
		84.0 ft, No sample, Still in same material, Will continue in 10 ft. intervals until material changes.							
		A-4, Si, Dk/gry, Moist, Rec. = 2.0 ft	WH	28.4	0.0	1.9	98.1	25	3
		A-4, Si, Dk/gry, Moist, Rec. = 2.0 ft	WH	27.9	0.0	1.9	98.1	25	4
		No Recovery, 105.0 ft - 107.0 ft	9						

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BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: RUSSELL

BORING RIG: LARGE SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
		A-4, SaSi, Dk/gry, Moist, Rec. = 1.9 ft	9	19.7	0.0	28.6	71.4		
		112.0 ft, Drillers noted pocket of sandy material that changed back to silt between 110 ft. and 120 ft.							
		A-4, Si, Dk/gry, Moist, Rec. = 1.8 ft, Encountered flowing water.	WH	29.5	0.0	1.0	99.0	27	4
		Visual Class: A-4, Si, Dk/gry, Moist, Rec. = 1.9 ft, 130.0 ft - 132.0 ft	WH	29.2					
		Visual Class: A-4, Si, Dk/gry, Moist, Rec. = 1.6 ft, 140.0 ft - 142.0 ft	WH	30.5					
		A-4, Si, Dk/gry, Moist, Rec. = 1.5 ft	WH	30.3	0.0	1.5	98.5	26	3
		Visual Class: A-4, Si, Dk/gry, Moist, Rec. = 1.5 ft, 160.0 ft - 162.0 ft	WH	31.3					
		A-4, Si, Dk/gry, Moist, Rec. = 1.8 ft	WH	31.3	0.0	0.5	99.5	30	7
		180.0 ft - 182.0 ft, No Sample, Advanced casing.							
		190.0 ft - 192.0 ft, No Sample, Advanced casing.							
		A-4, Si, Dk/gry, Moist, Rec. = 1.9 ft	WH	30.0	0.0	1.6	98.4	27	3
		Hole stopped @ 202.0 ft							
		DRILLER'S NOTES: Encountered flowing water at 120.0 feet.							

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

BORING NUMBER: B-3
SHEET 1 of 2
DATE STARTED: 11/30/04
DATE COMPLETED: 12/03/04

PROJECT NAME: CANAAN
SITE NAME: BR-16
STATION: 7+83.38
OFFSET: -25.00
VTSPG: N 885113.16 ft E 1893742.45 ft

PROJECT NUMBER: ST 0271(16)
SITE NUMBER: VT-102
GROUND ELEVATION: 1020.72 ft
GROUNDWATER DEPTH: 11.16 ft 12/03/04
PROJECT PIN NUMBER: 04C098

BORING CREW
CREW CHIEF: TALLMAN
DRILLER: TALLMAN
LOGGER: RUSSELL

BORING RIG: LAG TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
5		BXDC, Cleaned out casing., 4.5 ft - 5.0 ft A-1-a, SaGr, brn, Moist, Rec. = 0.3 ft	4	12.0	53.2	39.7	7.1		
10		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft	15	13.8	40.7	46.7	12.6		
15		A-1-a, SaGr, gry, Moist, Rec. = 0.5 ft 17.0 ft, Little gray silt at bottom of sampler.	8	13.2	57.7	27.6	14.7		
20		A-4, Si, Dk/gry, Moist, Rec. = 2.0 ft	2	26.9	0.0	3.2	96.8	24	4
25		VS = 717/68 psf, 26.5 ft - 26.9 ft							
30		A-4, Si, Dk/gry, Moist, Rec. = 1.5 ft	2	29.2	0.0	3.3	96.7		
35		VS = 845/166 psf, 36.5 ft - 36.9 ft							
40		A-4, Si, Dk/gry, Moist, Rec. = 1.5 ft	4	27.8	0.0	1.1	98.9		
45		VS = 936/174 psf, 46.5 ft - 46.9 ft							

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BORING NUMBER: B-3
SHEET 2 of 2
DATE STARTED: 11/30/04
DATE COMPLETED: 12/03/04

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55		A-4, Si, Dk/gry, Moist, Rec. = 1.4 ft	3	25.9	0.0	2.5	97.5		
60		VS = 905/151 psf, 56.5 ft - 56.9 ft							
65		A-4, Si, Dk/gry, MTW, Rec. = 1.7 ft	2	29.5	0.0	0.6	99.4	24	3
70		VS = 1071/211 psf, 66.5 ft - 66.9 ft							
75		A-4, Si, Dk/gry, MTW, Rec. = 1.8 ft	4	27.7	0.0	0.4	99.6		
80		VS = 1011/196 psf, 76.5 ft - 76.9 ft Hole stopped @ 76.9 ft							
80		DRILLER'S NOTES: 1. Vane used was 2.5 inches x 5.0 inches. 2. Vane Shear = Initial/Remold.							

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