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

BORING NUMBER: B-5
SHEET 1 of 2
DATE STARTED: 9/18/03
DATE COMPLETED: 9/26/03

PROJECT NAME: MORETOWN-MIDDLESEX
SITE NAME: US 2
STATION: 271+82.00
OFFSET: -28.00
VTSPG: N 658410.11 ft E 1589246.74 ft

PROJECT NUMBER: BRS 0284(14)
SITE NUMBER: BR-50
GROUND ELEVATION: 453.45 ft
GROUNDWATER DEPTH: 22.0 ft 9/26/03
PROJECT PIN NUMBER: 78F219

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

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

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-1-b, GrSa, gry, Moist, Rec. = 0.6 ft	5	9.8	30.9	53.6	15.5
10		A-1-b, GrSa, gry, Moist, Rec. = 0.8 ft	6	13.6	38.7	51.3	10.0
		A-4, Si, gry, Moist, Rec. = 0.3 ft	8	40.4	3.6	6.1	90.3
		A-1-b, GrSa, gry, Moist, Rec. = 0.8 ft		8.8	39.9	48.5	11.6
20		BXDC, Cleaned out casing, 19.25 ft - 20.0 ft					
		A-2-4, Sa, gry-brn, Moist, Rec. = 1.0 ft	16	15.5	0.6	83.9	15.5
		A-1-b, SaGr, brn-gry, Moist, Rec. = 0.6 ft, Started using drillers mud	38	12.6	52.7	30.4	16.9
30		A-1-a, SaGr, brn, Moist, Rec. = 1.1 ft, Sample appears to be more orange in color	18	11.9	58.7	28.0	13.3
		A-4, SaSi, gry, Moist, Rec. = 0.7 ft	17	23.7	6.8	38.2	55.0
40		BXDC, Cleaned out casing, 39.5 ft - 40.0 ft					
		A-1-a, SaGr, gry, Moist, Rec. = 0.4 ft	9	9.0	73.6	20.3	6.1
		A-2-4, Sa, gry, Moist, Rec. = 1.0 ft	15	21.0	0.1	89.1	10.8
50		A-2-4, SiSa, gry, Moist, Rec. = 0.5 ft, Couldn't advance casing, Pulled casing and noticed bit was bad, Replaced with a sawtooth bit and went back down	21	26.1	0.0	73.7	26.3

LOG OF BORING MORETOWN-MIDDLESEX BRS0284(14).GPJ VT AOT.GDT 8/30/06

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

BORING NUMBER: B-5
SHEET 2 of 2
DATE STARTED: 9/18/03
DATE COMPLETED: 9/26/03

PROJECT NAME: MORETOWN-MIDDLESEX
SITE NAME: US 2
STATION: 271+82.00
OFFSET: -28.00
VTSPG: N 658410.11 ft E 1589246.74 ft

PROJECT NUMBER: BRS 0284(14)
SITE NUMBER: BR-50
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BORING RIG: LARGE SKID RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: DLG

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT / RUN	M.C. (%) / REC (%)	GRAVEL (%) / RQD (%)	SAND (%) / Dip (deg)	FINES (%) / Drill Rate (min/ft)
		No Sample, Into flowing sand, Diffficult drilling, Plugged up, 55.0 ft - 57.0 ft					
60		A-1-b, GrSa, gry, Moist, Rec. = 1.1 ft	25	10.6	41.6	46.1	12.3
		BXDC, Boulder, No sample, 63.0 ft - 64.0 ft, Will sample in ten foot intervals because of difficulty drilling					
70		A-2-4, Sa, gry, Moist, Rec. = 0.3 ft	17	18.0	11.1	73.9	15.0
80		A-1-b, GrSa, gry, Moist, Rec. = 0.8 ft	21	13.2	43.5	47.0	9.5
90		A-3, Sa, gry, Moist, Rec. = 1.2 ft, Tried to advance casing, but could not, Plugged up, Had to pull 15.0 feet back off to unplug	25	17.0	9.0	82.0	9.0
					Top of Bedrock @ 94.0 ft		
		Green, Chlorite schist Greenstone, with laminated quartz veins, Competent, Moderately hard, Unweathered, BXDC, 94.0 ft - 99.0 ft, Rec. = 4.8 ft	1	96	85	87	
100		Green, Chlorite schist Greenstone, with laminated quartz veins, Competent, Moderately hard, Unweathered, BXDC, 99.0 ft - 104.0 ft, Rec. = 5.0 ft	2	100	90	87	
		Hole stopped @ 104.0 ft					

LOG OF BORING MORETOWN-MIDDLESEX BRS0284(14).GPJ VT AOT.GDT 8/30/06