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

BORING NUMBER: B-6
SHEET 1 of 2
DATE STARTED: 9/09/03
DATE COMPLETED: 10/03/03

PROJECT NAME: MORETOWN-MIDDLESEX
SITE NAME: US Rt.2
STATION: 271+80.00
OFFSET: 20.00

PROJECT NUMBER: BRS 0284(14)
SITE NUMBER: BR-50
GROUND ELEVATION: 443.13
GROUNDWATER DEPTH: 12.0 ft 10/03/03

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

BORING RIG: SMALL SKID RIG/LAG TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY:

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-2-4, Sa, brn, Moist, Rec. = 1.15 ft	8	15.5	1.5	79.9	18.6
10		A-3, Sa, brn, Moist, Rec. = 0.3 ft	5	20.1	4.1	91.9	4.0
ABUT. # 2 BOT. FOOTING ELEV. = 430.5'		A-2-4, SlSaGr, brn, Moist, Rec. = 0.6 ft	11	21.7	40.8	33.4	25.8
20		No Sample, Boulders, 19.0 ft - 21.0 ft, Cleaned out casing					
		A-2-4, GrSa, brn, Moist, Rec. = 0.8 ft	48	16.1	25.9	58.3	15.8
		A-1-b, SaGr, gry, Moist, Rec. = 0.7 ft		9.6	51.6	31.2	17.2
30		BXDC, Cleaned out casing, 29.5 ft - 30.0 ft	41	10.2	57.2	29.3	13.5
		A-1-b, SaGr, gry, Moist, Rec. = 1.2 ft					
		A-1-a, SaGr, gry, Moist, Rec. = 1.0 ft, Flowing sand in casing back to 33 feet, Had to wash material back out	57	9.2	63.5	27.2	9.3
40		A-3, Sa, gry, Moist, Rec. = 1.0 ft, Flowing sand in casing, Had to wash material back out	9	25.0	0.5	93.5	6.0
		A-4, SaSi, gry, Moist, Rec. = 1.1 ft	15	21.1	7.7	40.9	51.4
50		No Sample, Into flowing sand, 50.0 ft - 55.0 ft, Plugged up with sand, Tried to wash out, Used drillers mud					

LOG OF BORING MORETOWN-MIDDLESEX BRS0284(14) (GR) VT AOT/DST 9/14/04

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

BORING NUMBER: B-6
SHEET 2 of 2
DATE STARTED: 9/09/03
DATE COMPLETED: 10/03/03

PROJECT NAME: MORETOWN-MIDDLESEX
SITE NAME: US Rt.2
STATION: 271+80.00
OFFSET: 20.00

PROJECT NUMBER: BRS 0284(14)
SITE NUMBER: BR-50
GROUND ELEVATION: 443.13
GROUNDWATER DEPTH: 12.0 ft 10/03/03

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

BORING RIG: SMALL SKID RIG/LAG TRACK RIG
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY:

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT / RUN	M.C. (%) / REC (%)	GRAVEL (%) / RQD (%)	SAND (%) / Dip (deg)	FINES (%) / Drill Rate (ft/min)
		Still in Sandy material, No Rec., 55.0 ft - 57.0 ft	20				
60		A-1-a, SaGr, gry, Moist, Rec. = 0.3 ft, Casing plugged after sampling, Had to take five feet off to unplug	37	9.2	64.6	30.1	5.3
		A-1-b, GrSa, gry, Moist, Rec. = 1.1 ft, Had a hard time going to 70 feet, Used two pails of mud	25	13.5	20.3	70.1	9.6
70		A-1-b, Sa, gry, Moist, Rec. = 1.0 ft, Removed Small Skid Rig from hole and replaced with Lag Track Rig	50	15.9	0.0	88.9	11.1
		A-1-a, SaGr, gry, Moist, Rec. = 0.7 ft	21	10.6	61.5	33.6	4.9
80		A-3, Sa, gry, Moist, Rec. = 0.5 ft, Plugged up, Had to pull five feet of casing back to unplug	23	27.7	0.2	96.3	3.5
EST. PILE TIP ELEV. = 359.0'		BXDC, Cleaned out casing, 83.0 ft - 84.0 ft			Top of Bedrock @ 84.0 ft		
		Green, Chlorite schist Greenstone, with laminated quartz veins, Competent, Moderately hard, Unweathered, BXDC, 84.0 ft - 88.0 ft, Rec. = 3.3 ft	1	83	65	80	
90		Green, Chlorite schist Greenstone, with laminated quartz veins, Equipment problems resulted in loss of core run in hole, Moderately hard, Unweathered, BXDC, 88.0 ft - 93.0 ft, Rec. = 1.2 ft	2	24	24	80	
		Green, Chlorite schist Greenstone, with laminated quartz veins, Equipment problems resulted in loss of core run in hole, Moderately hard, Unweathered, BXDC, 93.0 ft - 98.0 ft, Rec. = 2.0 ft	3	40	40	80	
		Hole stopped @ 98.0 ft					
100		DRILLER'S NOTES: 1. Removed Small Skid Rig at 72.0'and used the Lag Track Rig to finish drilling this hole.					

LOG OF BORING MORETOWN-MIDDLESEX BRS0284(14) (GR) VT AOT/DST 9/14/04

BORING LOG SHEET 3

PROJECT NAME: MORETOWN - MIDDLESEX
PROJECT NUMBER: BRS0284(14)

FILE NAME: 78f219\str\sf219borl.dgn
PROJECT LEADER: M. Evans-Mongeon
DESIGNED BY: L. Russell
IPARM: s78f219bor4.i

PLOT DATE: 15-JUN-2009
DRAWN BY: L. Russell
CHECKED BY: W. Farley
SHEET 42 OF 103