



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

BORING NUMBER: B-20
SHEET 1 of 1
DATE STARTED: 4/21/05
DATE COMPLETED: 5/13/05

PROJECT NAME: MORRISTOWN
SITE NAME: RT 15-A
STATION: 66+666.47
OFFSET: 27.89
VTSPG NAD83:

PROJECT NUMBER: BRS 0240(3)S
SITE NUMBER: ROADWAY
GROUND ELEVATION: 653.56 ft
GROUNDWATER DEPTH: 13.94 ft 5/13/05
PROJECT PIN NUMBER: 78F329

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

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

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	N VALUE	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
10		A-2-4, Sa, brn, Moist, Rec. = 0.33 ft	19	21.1	13.4	72.0	14.6
10		A-2-4, SiSa, brn, Moist, Rec. = 0.66 ft	6	16.2	9.2	56.5	34.3
10		A-4, SiSa, gry-brn, Moist, Rec. = 0.98 ft	7	28.4	0.0	62.6	37.4
20		NXDC, Cleaned out casing, 19.03 ft - 19.69 ft	16	17.5	20.4	60.6	19.0
20		A-2-4, GrSa, gry-brn, Moist, Rec. = 0.49 ft					
20		A-2-4, SiSa, gry, Moist, Rec. = 0.82 ft	11	22.6	0.0	78.9	21.1
30		A-1-b, GrSa, gry, Moist, Rec. = 1.31 ft	11	16.0	25.0	70.7	4.3
30		A-1-b, Sa, gry, Moist, Rec. = 0.98 ft	24	19.0	3.3	91.5	5.2
40		A-4, SiSa, gry, Moist, Rec. = 0.98 ft	16	31.1	0.0	64.3	35.7
40		A-2-4, Sa, gry, Moist, Rec. = 1.64 ft	20	31.4	0.0	89.2	10.8
40		Top of Bedrock @ 47.9 ft					
50		47.9 ft - 50.36 ft, Greenish gray, Micaceous Schist-greenstone, Moderately hard, Moderately weathered, NXMDC, Poor competency	1	93	0	55	10 9
50		50.36 ft - 55.28 ft, Greenish gray, Micaceous Schist-greenstone, Moderately hard, Unweathered, NXMDC, with quartz veins, Competent	2	100	53	55	11 10 7 9 10
50		55.28 ft - 57.74 ft, Greenish gray, Micaceous Schist-greenstone, Moderately hard, Unweathered, NXMDC, with quartz veins, Competent	3	100	93	55	12 10 10 11
		Hole stopped @ 57.74 ft					6

LOG OF BORING MORRISTOWN BRS0240(3)ENGLISH.GPJ VT AOT.GDT 4/28/14



STATE OF VERMONT
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BORING NUMBER: B-21
SHEET 1 of 1
DATE STARTED: 4/29/05
DATE COMPLETED: 5/04/05

PROJECT NAME: MORRISTOWN
SITE NAME: RT 15-A
STATION: 66+682.87
OFFSET: -32.80
VTSPG NAD83:

PROJECT NUMBER: BRS 0240(3)S
SITE NUMBER: ROADWAY
GROUND ELEVATION: 645.85 ft
GROUNDWATER DEPTH: 6.56 ft 5/04/05
PROJECT PIN NUMBER: 78F329

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

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

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	N VALUE	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	RQD (%)	Dip (deg)	Drill Rate (min/ft)
5		Boulder, 3.44 ft - 4.43 ft					
5		A-4, SaSi, gry, Moist, Rec. = 1.48 ft	12	23.3	1.1	40.5	58.4
10		A-2-4, SiSa, gry, Moist, Rec. = 0.66 ft	8	23.9	1.3	70.2	28.5
15		A-4, SaSi, gry, Moist, Rec. = 1.64 ft	5	30.1	0.0	25.7	74.3
20		A-1-b, Sa, gry-brn, Moist, Rec. = 1.31 ft	6	19.8	5.7	88.7	5.6
25		A-1-b, Sa, gry-brn, Moist, Rec. = 1.31 ft	10	24.0	0.3	95.2	4.5
25		Started using drillers mud, 26.9 ft					
30		A-3, Sa, gry, Moist, Rec. = 0.82 ft	9	25.6	0.2	95.2	4.6
35		A-3, Sa, gry, Moist, Rec. = 1.64 ft	16	29.4	0.0	95.0	5.0
35		Top of Bedrock @ 38.06 ft					
40		38.06 ft - 39.04 ft, Greenish gray, Micaceous Schist-greenstone, Moderately hard, Unweathered, NXMDC, with quartz veins, Poor competency	1	100	0	50	10
40		39.04 ft - 43.96 ft, Greenish gray, Micaceous Schist-greenstone, Moderately hard, Unweathered, NXMDC, with quartz veins, Competent	2	100	92	50	13 11 10 11
45		43.96 ft - 47.9 ft, Greenish gray, Micaceous Schist-greenstone, Moderately hard, Unweathered, NXMDC, with quartz veins, Competent	3	100	72	50	9 9 11 11
		Hole stopped @ 47.9 ft					

LOG OF BORING MORRISTOWN BRS0240(3)ENGLISH.GPJ VT AOT.GDT 4/28/14

PROJECT NAME: MORRISTOWN
PROJECT NUMBER: BRS 0240(3)S/STP HES 030-2(28)
FILE NAME: s78f329borlog.dgn PLOT DATE: 12-APR-2017
PROJECT LEADER: C. CARLSON DRAWN BY: M&R
DESIGNED BY: M&R CHECKED BY: M&R
BORING LOGS 3 SHEET 78 OF 175