



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

BORING LOG

MILTON
IM 089-3(66)
I-89 NB&SB BR-81 NB&SB

Boring No.: B-101
Page No.: 1 of 1
Pin No.: 10A060
Checked By: TDE

Boring Crew: PORTER, GARROW, SALISBURY
Date Started: 9/08/11 Date Finished: 9/12/11
VTSPG NAD83: N 779326.07 ft E 1473558.31 ft
Station: 2781+35.6 Offset: -48.80
Ground Elevation: 208.0 ft

Casing: WB
Sampler: SS
Type: WB SS
I.D.: 4 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C SKID CE = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
09/12/11	57.0	AM

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/ft (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 1.0 ft								
		Field Note:, Gravel				9-10-14	11.0	0.7	90.2	9.1
		A-3, Sa, brn, MTW, Rec. = 1.3 ft								
10		A-3, Sa, brn, MTW, Rec. = 1.3 ft				1-1-1-1 (2)	18.6	1.0	92.0	7.0
		A-3, Sa, brn, MTW, Rec. = 1.6 ft				12-14-20-24 (34)	12.6	0.7	92.7	6.6
20		A-3, Sa, brn, MTW, Rec. = 1.8 ft				5-13-15-16 (28)	11.1	3.4	87.5	9.1
		A-3, Sa, brn, MTW, Rec. = 1.8 ft				9-16-26-33 (42)	11.7	1.7	88.5	9.8
		A-3, Sa, brn, MTW, Rec. = 1.6 ft				12-21-28-31 (49)	12.4	1.9	88.9	9.2
30		A-3, Sa, brn, MTW, Rec. = 1.4 ft				8-15-20-22 (35)	13.6	4.4	85.8	9.8
		A-2-4, Sa, brn, MTW, Rec. = 1.5 ft				10-17-24-22 (41)	12.6	3.7	83.3	13.0
		A-3, Sa, brn, MTW, Rec. = 1.5 ft				16-22-35-45 (57)	14.0	5.0	87.2	7.8
50		A-3, Sa, brn, MTW, Rec. = 1.7 ft				23-29-33-42 (62)	14.6	4.8	87.5	7.7
		A-2-4, Sa, brn, MTW, Rec. = 1.5 ft				11-22-32-48 (54)	14.2	3.7	85.5	10.8
60		A-4, SaSi, gry, MTW, Rec. = 1.1 ft, A small area of tiny root mass was within sample.				4-8-10-12 (18)	33.0		20.1	79.9
		A-4, SaSi, gry, MTW, Rec. = 1.8 ft				1-2-1-1 (3)	29.6	0.1	25.3	74.6
70		A-4, SaSi, gry, MTW, Rec. = 1.5 ft, Chunks of Wood were within sample.				1-2-3-4 (5)	50.5		34.7	65.3
		A-4, SiSa, gry, MTW, Rec. = 1.7 ft				1-4-8-4 (12)	34.7		51.5	48.5
80		Field Note:, No Recovery				8-9-14-17 (23)				
		79.5 ft - 81.5 ft, Gray, Phyllitic Slate, with calcite veins. Iron staining present.. Moderately hard, Very slightly weathered, Poor rock, NXDC, RMR = 22	1 (15)	37 (0)	10 (10)					
		81.5 ft - 86.5 ft, Gray, Phyllitic Slate, with calcite veins. Moderately hard, Unweathered, Good rock, NXMDC, RMR = 84	2 (15)	100 (100)	10 (10)					
90		86.5 ft - 89.5 ft, Gray, Phyllitic Slate, with few calcite veins. Iron staining present from 87.25 to 87.6 feet. Moderately hard, Unweathered, Good rock, NXMDC, RMR = 81	3 (15)	97 (83)	10 (10)					
		Hole stopped @ 89.5 ft			10 (10)					
					10 (10)					
					10 (10)					

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
2. N Values have not been corrected for hammer energy. CE is the hammer energy correction factor.
3. Water level readings have been made at times and under conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the time measurements were made.

BORING LOG 2 MILTON IM 089-3(66).GPJ VERMONT AOT.GDT 9/22/11