



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

BORING LOG

EAST MONTPELIER  
STPG 028-3(35)S  
MAST ARM POLE VT.14 & US2

Boring No.: B-201  
Page No.: 1 of 1  
Pin No.: 98B028  
Checked By: NSM

Boring Crew: GARROW, WERNER, HOLT  
Date Started: 9/08/10 Date Finished: 9/09/10  
VTSPG NAD83: N 196808.97 m E 501105.02 m  
Station: 14+039.10 Offset: -13.89  
Ground Elevation: 215.15 m

Casing Type: H.S.A. Sampler: SS  
I.D.: 7.62 cm 3.81 cm  
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 (m)	Notes
09/09/10	2.55	

Depth (m)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/15cm (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.5		A-2-4, SiSa, brn, Moist, Possible Backfill. Sample was taken at 1.0m from the auger flights.		12.9	11.0	60.6	28.4
1.0							
1.5							
2.0		A-4, SaSi, brn, Moist, Rec. = 0.28 m	3-9-12-5 (21)	15.4	17.4	31.9	50.7
2.5		Not Sampled					
3.0		A-4, SaSi, gry, Moist, Rec. = 0.50 m, Sample tested: Little Organics (12.1%)	WH-1-3-5 (4)	42.4	3.5	25.5	71.0
3.5		Not Sampled					
4.0		A-4, SaGrSi, gry, Wet, Rec. = 0.35 m	5-8-16-20 (24)	17.6	35.8	28.2	36.0
4.5		Not Sampled					
5.0		Field Note: Auger will not penetrate further. Stone pieces in split spoon., No Recovery.	40-R@5.17m				
5.5		Hole stopped @ 5.17 m TLOB					
6.0							
6.5							
7.0							
7.5							
8.0							
8.5							
9.0							
9.5							

BORING LOG 2 EAST MONTPELIER STPG 028-3(35)S.GPJ VERMONT AOT.GDT 9/13/10

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.



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BORING LOG

EAST MONTPELIER  
STPG 028-3(35)S  
MAST ARM POLE VT.14 & US2

Boring No.: B-202  
Page No.: 1 of 1  
Pin No.: 98B028  
Checked By: NSM

Boring Crew: GARROW, WERNER, HOLT  
Date Started: 9/08/10 Date Finished: 9/08/10  
VTSPG NAD83: N 196786.91 m E 501123.78 m  
Station: 4+803.74 Offset: 9.46  
Ground Elevation: 212.80 m

Casing Type: H.S.A. Sampler: SS  
I.D.: 7.62 cm 3.81 cm  
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 (m)	Notes
09/08/10	2.30	

Depth (m)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/15cm (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.00		Asphalt Pavement, 0.00 m - 0.20 m					
0.20		A-2-4, GrSiSa, brn, Moist, Sample taken off auger flight.		9.5	21.9	55.6	22.5
0.50							
1.00		A-1-b, GrSa, brn, MTW, Rec. = 0.17 m	3-4-2-2 (6)	11.5	20.0	65.5	14.5
1.50		A-4, Si, gry, Moist, Rec. = 0.20 m, Sample tested: Trace of Organics (6.6%)		40.6	2.4	19.6	78.0
1.50		Not Sampled					
2.00		A-4, Si, brn, MTW, Rec. = 0.31 m	4-9-20-11 (29)	23.9	3.4	14.1	82.5
2.50		Not Sampled					
3.00		A-4, SaSi, gry, Moist, Rec. = 0.56 m, Duplex drilling after 3.0m.	18-28-34-31 (62)	9.9	15.8	22.8	61.4
3.50		Not Sampled					
4.50		A-4, Si, gry, Moist, Rec. = 0.40 m	23-33-57-R (90)	9.4	14.5	18.1	67.4
5.00		Not Sampled					
6.00		A-4, GrSi, gry, Moist, Rec. = 0.42 m	23-52-63 (R)	10.1	23.1	19.2	57.7
6.44		Hole stopped @ 6.44 m TLOB					
7.00							
7.50							
8.00							
8.50							
9.00							
9.50							

BORING LOG 2 EAST MONTPELIER STPG 028-3(35)S.GPJ VERMONT AOT.GDT 9/13/10

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