



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

BORING LOG

MONTGOMERY-WESTFIELD
STP 2906(1)
VT 242 MM 0.87 & 2.07

Boring No.: **B-201**
 Page No.: **1 of 1**
 Pin No.: **10C190**
 Checked By: **CCB**

Boring Crew: GARROW, JUDKINS
 Date Started: 4/17/13 Date Finished: 4/17/13
 VTSPG NAD83: N 868637.39 ft E 1615768.12 ft
 Station: 45+32 Offset: -9.80
 Ground Elevation: 768.92 ft

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 55 TRACK C_c = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
04/17/13	8.5	During drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.9 ft					
		Visual Description:, SiSa, brn, Moist, Rec. = 1.0 ft	5-11-15-16 (26)	7.4			
5		Field Note:, Roller coned ahead, SaGr					
		Visual Description:, Gr, Broken Rock, gray, Moist, Rec. = 0.2 ft, Stone in tip of sampler	7-7-7-6 (14)	2.5			
10		Field Note:, NXDC, GrSa					
		A-4, Si, gray, Moist, Rec. = 1.0 ft	3-5-5-3 (10)	23.7	9.4	12.0	78.6
15		Field Note:, Roller coned ahead, SaGr					
		Visual Description:, Si, Weathered rock within sample, gray, Moist, Rec. = 0.5 ft	9-10-6-4 (16)	10.1			
20		A-1-b, SiSaGr, gray, Moist, Rec. = 0.8 ft	17-13-20-25 (33)	13.5	42.1	32.8	25.1
		Hole stopped @ 22.0 ft					
25		Remarks: 1. Hole caved in at 8.0 ft when removing casing. 2. Ground surface elevation, station, and offset shown are estimated from plans.					

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

BORING LOG 2 MONTGOMERY-WESTFIELD STP 2906(1).GPJ VERMONT AOT.GDT 4/29/13



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Boring No.: B-202
 Page No.: 1 of 1
 Pin No.: 10C190
 Checked By: CCB

Boring Crew: SALISBURY, JUDKINS
 Date Started: 4/18/13 Date Finished: 4/19/13
 VTSPG NAD83: N 868615.06 ft E 1615790.67 ft
 Station: 45+46 Offset: 18.70
 Ground Elevation: 767.66 ft

Casing WB Sampler 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 55 TRACK C = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
04/18/13	5.2	During drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		Visual Description:, GrSiSa, brn, Moist, Rec. = 1.1 ft	1-2-5-5 (7)	4.5			
		Field Note:, NXDC					
10		Visual Description:, Gr , Broken Rock, gry-brn, Moist, Rec. = 0.3 ft	2-3-6-5 (9)	7.6			
		Field Note:, NXDC					
15		Visual Description:, GrSa , Broken Rock, gry, Moist, Rec. = 0.4 ft	8-4-8-10 (12)	14.6			
		Field Note:, Roller coned ahead					
20		A-1-b, SiSaGr , Broken Rock, gry, Moist, Rec. = 0.6 ft	2-7-16-17 (23)	10.4	47.2	32.2	20.6
		Field Note:, Roller coned ahead					
25		Visual Description:, GrSiSa, gray, Moist, Rec. = 1.3 ft, Field Note: Possible weathered rock	9-16-19-26 (35)	12.2			
		Hole stopped @ 22.0 ft					
25		Remarks: 1. Hole caved in at 13.3 ft when removing casing. 2. Ground surface elevation, station, and offset shown are estimated from plans.					

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 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

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MONTGOMERY-WESTFIELD
STP 2906(1)
VT 242 MM 0.87 & 2.07

Boring No.: B-203
 Page No.: 1 of 1
 Pin No.: 10C190
 Checked By: CCB

Boring Crew: JUDKINS, SALISBURY
 Date Started: 4/19/13 Date Finished: 4/19/13
 VTSPG NAD83: N 868539.27 ft E 1621952.49 ft
 Station: 107+92 Offset: -28.90
 Ground Elevation: 930.17 ft

Casing Type: WB Sampler: 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 55 TRACK C_s = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
04/19/13	3.0	During drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
2.5		Visual Description:, SiGrSa , Organics, Dk/brn, Moist, Rec. = 1.0 ft	2-3-4-4 (7)	7.9			
5.0		A-1-b, SiSaGr , Broken Rock, gry-brn, Moist, Rec. = 0.9 ft	16-12-39-12 (51)	11.1	52.3	27.0	20.7
10.0		A-4, SaSi, brn-gry, Moist, Rec. = 0.9 ft	32-29-13-13 (42)	14.9	19.9	39.0	41.1
15.0		Visual Description:, GrSaSi, gray, Moist, Rec. = 0.2 ft Hole stopped @ 15.2 ft	R@2" (R@2")	10.2			

Remarks:
 1. Hole caved in at 8.8 ft when removing casing.
 2. Ground surface elevation, station, and offset shown are estimated from plans.

BORING LOG 2 MONTGOMERY-WESTFIELD STP 2906(1).GPJ VERMONT AOT.GDT 4/29/13

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 2. N Values have not been corrected for hammer energy. C_s is the hammer energy correction factor.
 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.



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Boring No.: B-204
 Page No.: 1 of 1
 Pin No.: 10C190
 Checked By: CCB

Boring Crew: SALISBURY, JUDKINS
 Date Started: 4/19/13 Date Finished: 4/19/13
 VTSPG NAD83: N 868486.25 ft E 1621926.73 ft
 Station: 107+79 Offset: 28.60
 Ground Elevation: 931.23 ft

Casing WB Sampler 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 55 TRACK C_s = 1.46

Groundwater Observations		
Date	Depth (ft)	Notes
04/19/13	2.2	During drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		Visual Description:, SiGrSa , Organics, Broken Rock, brn, Moist, Rec. = 0.7 ft	R@5.2"	11.2			
		Field Note:, NXDC, Boulders (3.5 ft to 5 ft)					
10		Visual Description:, Broken Rock, gray, Moist, Rec. = 0.2 ft	8-9-17-17 (26)	10.0			
		Field Note:, NXDC					
15		Visual Description:, GrSiSa, gray, Moist, Rec. = 0.5 ft	8-11-25-29 (36)	10.4	55.0	23.7	21.3
		A-1-b, SiSaGr, gray, Moist, Rec. = 0.5 ft					
20		Field Note:, NXDC	3-15-R@1.2'	7.7			
		Visual Description:, SiSa , Broken Rock, gray, Moist, Rec. = 0.2 ft					
25		Field Note:, NXDC	57-40-R@1'	10.0	42.9	32.4	24.7
		A-1-b, SiSaGr , Broken Rock, gray, Moist, Rec. = 0.5 ft					
Hole stopped @ 26.0 ft							
30	Remarks: 1. Hole caved in at 15.2 ft when removing casing. 2. Ground surface elevation, station, and offset shown are estimated from plans.						

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