



STATE OF VERMONT
AGENCY OF TRANSPORTATION
CONSTRUCTION AND
MATERIALS BUREAU
CENTRAL LABORATORY

BORING LOG

HARTFORD-ROYALTON
IMG SIGN(48)
I-89 NB & SB

Boring No.: **B-101**

Page No.: 1 of 1

Pin No.: 13A618

Checked By: MLM

Boring Crew: JUDKINS, HOOK, NIETO
Date Started: 5/06/15 Date Finished: 5/06/15
VTSPG NAD83: N 416138.97 ft E 1682335.61 ft
Station: MM 0.774 SB Offset: 5.00
Ground Elevation: 559.12 ft

Casing Type: WB
Sampler Type: SS
I.D.: 4 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 45C TRACK C_r = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
05/06/15	7.0	After drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-a, SaGr, gry-brn, Moist, Rec. = 0.9 ft, Lab Note: Broken Rock was within sample. Cleaned out with roller cone.				2-6-6-5 (12)	4.6	62.3	27.2	10.5
		A-1-b, Sa, Lt/brn, Moist, Rec. = 1.4 ft, Cleaned out with roller cone.				10-12-9-8 (21)	11.6	18.5	66.8	14.7
		A-1-b, GrSa, Lt/brn, Moist, Rec. = 1.0 ft, Cleaned out with roller cone.				6-10-7-6 (17)	9.7	28.4	59.4	12.2
10		A-2-4, GrSiSa, brn, MTW, Rec. = 0.7 ft, Cleaned out with roller cone.				3-3-2-3 (5)	21.0	24.9	42.7	32.4
		A-4, SaSi, brn, MTW, Rec. = 1.1 ft, Cleaned out with roller cone.				2-3-6-20 (9)	26.6	7.5	26.6	65.9
15		11.0 ft - 16.0 ft, Light green & gray, Sub-Porphryitic Meta-Volcanics. Hard, Slightly weathered, Poor rock, NXMDC, RMR = 40, Brown staining on joints.	1 (-)	100 (38)	6	Top of Bedrock @ 11.0 ft				
					7					
					6					
					5					
20		16.0 ft - 21.0 ft, Light green & gray, Meta-Volcanics. Moderately hard, Slightly weathered, Poor rock, NXMDC, RMR = 36, Brown staining on joints.	2 (-)	90 (26)	5					
					6					
					5					
					5					
25		Hole stopped @ 21.0 ft								
		Remarks: 1. Hole collapsed at 10.0 ft. 2. Offset measured as the distance from the edge of pavement.								

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 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 HARTFORD-ROYALTON IMG SIGN(48), GPJ VERMONT AOT, GDT 5/26/15



STATE OF VERMONT
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CENTRAL LABORATORY

BORING LOG

HARTFORD-ROYALTON
IMG SIGN(48)
I-89 NB & SB

Boring No.: **B-102**

Page No.: 1 of 1

Pin No.: 13A618

Checked By: MLM

Boring Crew: DIAGNEAULT, GARROW, WHITLOCK
Date Started: 5/13/15 Date Finished: 5/14/15
VTSPG NAD83: N 416183.59 ft E 1682376.68 ft
Station: MM 0.774 SB Offset: 10.00
Ground Elevation: 558.92 ft

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 = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
05/14/15	4.0	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
5		A-1-b, SiGrSa, brn, Moist, Rec. = 0.6 ft, Lab Note: Broken Rock was within sample.				2-3-6-10 (9)	9.5	33.2	45.5	21.3		
		A-1-b, SiGrSa, brn, Moist, Rec. = 1.3 ft, Lab Note: Broken Rock was within sample.				7-8-7-9 (15)	9.2	27.4	50.9	21.7		
10		A-1-a, Gr, grn, Moist, Rec. = 0.8 ft, Lab Note: Lots of Broken Rock was within sample.				17-21-R (R)	3.8	69.2	19.4	11.4		
		Field Note:., NXDC, Boulder				9-7-11-10 (18)	30.9	0.1	11.7	88.2		
		A-4, Si, brn, MTW, Rec. = 1.2 ft, NXDC, Cleaned out casing.				1-1-1-2 (2)	44.6	6.2	2.0	91.8	40	6
15		A-4, Si, gry, MTW, Rec. = 1.8 ft, Lab Note: Broken Rock was within sample.					44.1		0.6	99.4		
		A-4, Si, gry, Moist, Rec. = 2.0 ft, Material from center of tube.					42.6		1.0	99.0		
20		A-4, Si, gry, Moist, Rec. = 2.0 ft, Material from center of tube.					41.9		0.8	99.2	34	5
		Field Note:., Roller coned, Cleaned out casing					WH-WH-WH-WH (WH)					
25		A-4, Si, gry, Moist, Rec. = 1.4 ft					18.1	32.5	28.8	38.7		
		A-4, SaGrSi, gry-brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.					5-R@5.0" (R)					
30		20.9 ft - 25.9 ft, Light green & gray, Sub-Porphryitic, foliated, Phyllitic Meta-Volcanics. Hard, Slightly weathered, Poor rock, NXMDC, RMR = 32, Iron staining on joints.	1 (80)	100 (34)	7							
		25.9 ft - 30.9 ft, Light green & gray, Sub-Porphryitic, foliated, Phyllitic Biotite Meta-Volcanics. Hard, Slightly weathered, Poor rock, NXMDC, RMR = 37, Orange/brown staining on joints.	2 (80)	100 (26)	5							
Hole stopped @ 30.9 ft												
Remarks: 1. Hole collapsed at 20.2 ft. 2. Offset measured as the distance from the edge of pavement.												

Notes:
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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.

BORING LOG 2 HARTFORD-ROYALTON IMG SIGN(48).GPJ VERMONT AOT.GDT 5/26/15



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CENTRAL LABORATORY

BORING LOG
HARTFORD-ROYALTON
IMG SIGN(48)
I-89 NB & SB

Boring No.: **B-103**
Page No.: 1 of 1
Pin No.: 13A618
Checked By: MLM

Boring Crew: JUDKINS, GARROW, NIETO
Date Started: 5/18/15 Date Finished: 5/18/15
VTSPG NAD83: N 415174.43 ft E 1682517.30 ft
Station: MM 0.245 Ramp C Offset: 15.00
Ground Elevation: 551.41 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 45C TRACK C_r = 1.34

Groundwater Observations		
Date	Depth (ft)	Notes
05/18/15	5.1	While drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		Lab Note, Mostly Broken Rock, grn, Moist, Rec. = 0.9 ft				2-4-29-20 (33)	1.7	51.3	36.1	12.6
		Lab Note, Mostly Broken Rock, grn, Dry, Rec. = 0.9 ft				10-13-11-9 (24)	1.7	59.8	30.9	9.3
		Lab Note, Mostly Broken Rock, grn, Dry, Rec. = 1.1 ft				10-4-10-7 (14)	1.8	59.7	31.6	8.7
		Lab Note, Mostly Broken Rock, gry, MTW, Rec. = 0.4 ft				10-R@1.0" (R)	11.6	47.4	41.1	11.5
10		7.4 ft - 10.4 ft, Light green & gray, Phyllitic Pyrite bearing Meta-Volcanics with rare Quartz veins and nodules. Gray/green powder on joints. Moderately hard, Very slightly weathered, Poor rock, NXMDC, RMR = 27	1 (50)	52 (0)	5					
15		10.4 ft - 14.4 ft, Light green & gray, Foliated Pyrite bearing Meta-Volcanics with abundant Quartz veins and nodules. Brown staining on joints. Hard, Very slightly weathered, Poor rock, NXMDC, RMR = 32	2 (50)	80 (10)	10					
15		14.4 ft - 17.4 ft, Light green & gray, Strongly foliated Pyrite bearing Meta-Volcanics with abundant Quartz veins and nodules. Minor brown staining on joints. Hard, Very slightly weathered, Poor rock, NXMDC, RMR = 35	3 (70)	52 (15)	9					
20		Hole stopped @ 17.4 ft								
20		Remarks: 1. Hole collapsed at 13.1 ft. 2. Offset measured as the distance from the edge of pavement.								
25										

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BORING LOG 2 HARTFORD-ROYALTON IMG SIGN(48), GPJ VERMONT AOT, GDT 5/26/15



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CENTRAL LABORATORY

BORING LOG

HARTFORD-ROYALTON
IMG SIGN(48)
I-89 NB & SB

Boring No.: B-104
Page No.: 1 of 1
Pin No.: 13A618
Checked By: MLM

Boring Crew: JUDKINS, HOOK, NIETO
Date Started: 5/19/15 Date Finished: 5/19/15
VTSPG NAD83: N 415179.55 ft E 1682564.65 ft
Station: MM 0.245 Ramp C Offset: 10.00
Ground Elevation: 550.13 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 45C TRACK C_e = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
05/19/15	10.6	After drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (FOD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft				2-3-8-12 (11)	9.2	26.5	57.4	16.1
		Lab Note, Mostly Broken Rock, gry-brn, Moist, Rec. = 1.3 ft, NXDC, Cleaned out casing.				10-22-24-R@5.0" (46)	2.6	60.4	28.1	11.5
		Lab Note, Mostly Broken Rock, gry, Moist, Rec. = 1.0 ft, NXDC, Cleaned out casing.				34-22-16-16 (38)	10.8	71.9	21.7	6.4
		Lab Note, Mostly Broken Rock, gry, Moist, Rec. = 0.7 ft				18-R@3.5" (R)	8.1	63.3	25.5	11.2
10		6.8 ft - 11.8 ft, Light green & gray, Phyllitic Porphyritic Meta-Volcanics with rare Pyrite. Yellow/orange discoloration on joints. Moderately hard, Very slightly weathered, Poor rock, NXMDC, RMR = 33	1 (-)	100 (23)	3					
					3					
					5					
					3					
15		11.8 ft - 16.8 ft, Light green & gray, Phyllitic Meta-Volcanics with rare Quartz nodules and Pyrite. Purple/red stained vertical slickensided joint at 15.3'-15.6'. Moderately hard, Slightly weathered, Fair rock, NXMDC, RMR = 43	2 (80)	100 (60)	3					
					3					
					4					
					5					
Hole stopped @ 16.8 ft										
20		Remarks: 1. Hole collapsed at 6.1 ft. 2. Offset measured as the distance from the edge of pavement.								

Notes:
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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.

BORING LOG 2 HARTFORD-ROYALTON IMG SIGN(48).GPJ VERMONT AOT.GDT 5/26/15



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BORING LOG

HARTFORD-ROYALTON
IMG SIGN(48)
I-89 NB & SB

Boring No.: B-105
Page No.: 1 of 1
Pin No.: 13A618
Checked By: MLM

Boring Crew: JUDKINS, HOOK, NIETO
Date Started: 5/07/15 Date Finished: 5/07/15
VTSPG NAD83: N 413844.63 ft E 1685333.61 ft
Station: MM 0.050 NB Offset: 10.00
Ground Elevation: 417.88 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 TRACK C_r = 1.34

Groundwater Observations

Date	Depth (ft)	Notes
		No water to depth.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, SaGr, brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.	1-2-2-2 (4)	7.2	43.8	41.0	15.2
		A-1-b, SaGr, brn, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.	3-3-8-11 (11)	8.0	46.4	36.6	17.0
10		A-1-a, SaGr, brn-Lt/gry, Moist, Rec. = 1.1 ft, Lab Note: Lots of Broken Rock was within sample. NXDC, Cleaned out casing.	9-23-12-17 (35)	5.2	70.5	15.7	13.8
		Visual Description:, Broken Rock, gry, Moist, Rec. = 0.1 ft, NXDC, Cleaned out casing.	10-12-12-25 (24)				
15		Visual Description:, SiSa, Lt/brn, Moist, Rec. = 0.1 ft, Lab Note: Insufficient sample for testing. NXDC, Cleaned out casing.	17-28-R@2.5" (R)				
		Lab Note, Mostly Broken Rock, gry, Moist, Rec. = 0.7 ft, NXDC, Cleaned out casing.	8-13-7-14 (20)	2.8	80.0	17.2	2.8
20		Field Note:, NXDC, Cleaned out casing.					
		Visual Description:, Broken Rock with some sand, gry, Moist, Rec. = 0.1 ft, NXDC, Cleaned out casing.	15-30-12-13 (42)				
25		Field Note:, NXDC, Cleaned out casing.					
		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.	13-8-7-7 (15)	10.6	51.5	40.7	7.8
30		Field Note:, Cleaned out with roller cone					
		A-1-b, GrSa, brn, Moist, Rec. = 1.0 ft	16-18-26-25 (44)	10.5	34.9	46.9	18.2
35		Field Note:, NXDC, Cleaned out casing.					
		Lab Note, Mostly Broken Rock, gry, Moist, Rec. = 0.7 ft	5-13-18-11 (31)	7.6	81.3	14.2	4.5
40		Field Note:, NXDC, Cleaned out casing.					
		Lab Note, Mostly Broken Rock with some sand, gry, Moist, Rec. = 0.3 ft	14-22-14-16 (36)	10.1	60.0	39.6	0.4
		Hole stopped @ 37.0 ft					
		Remarks: Offset measured as the distance from the edge of pavement.					

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BORING LOG

HARTFORD-ROYALTON
 IMG SIGN(48)
 I-89 NB & SB

Boring No.: B-106
 Page No.: 1 of 1
 Pin No.: 13A618
 Checked By: MLM

Boring Crew: JUDKINS, HOOK, NIETO
 Date Started: 5/12/15 Date Finished: 5/12/15
 VTSPG NAD83: N 413803.79 ft E 1685304.60 ft
 Station: MM 0.050 NB Offset: 10.00
 Ground Elevation: 418.01 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_c = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
		No water to depth.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, SiGrSa, brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.	1-6-9-9 (15)	14.2	32.2	45.4	22.4
		A-1-a, SaGr, gry-brn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.	8-6-21-25 (27)	4.0	49.8	37.9	12.3
		Lab Note, Mostly Broken Rock, gry, Moist, Rec. = 1.0 ft, NXDC, Cleaned out casing.	18-17-18-21 (35)	1.7	73.2	19.6	7.2
		Lab Note, Mostly Broken Rock, gry-Dk/brn, Moist, Rec. = 0.5 ft, NXDC, Cleaned out casing.	21-16-R@0.0" (R)	7.9	51.3	33.5	15.2
10		Field Note:, NXDC, Boulder					
		Visual Description:, Broken Rock with sandy silt, gry, Moist, Rec. = 0.4 ft, Lab Note: Insufficient sample for testing.	14-18-17-16 (35)				
15		Field Note:, NXDC, Cleaned out casing.					
		Visual Description:, Broken Rock with silty sand, brn, Moist, Rec. = 0.4 ft, Lab Note: Insufficient sample for testing.	20-8-6-8 (14)				
20		Field Note:, NXDC, Cleaned out casing.					
		Field Note:, No Recovery	R@0.0" (R)				
25		Field Note:, NXDC, Cleaned out casing.					
		Visual Description:, Broken Rock with sand, gry, Moist, Rec. = 0.2 ft, Lab Note: Insufficient sample for testing.	R@5.0" (R)				
30		Field Note:, NXDC, Cleaned out casing.					
		Field Note:, No Recovery	R@0.0" (R)				
35		Visual Description:, Broken Rock with sand, gry, Moist, Rec. = 0.3 ft, Lab Note: Insufficient sample for testing.	9-6-9-R@5.0" (15)				
	Hole stopped @ 36.9 ft						
40		Remarks: 1. Hole collapsed at 2.0 ft. 2. Offset measured as the distance from the edge of pavement.					

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BORING LOG
HARTFORD-ROYALTON
IMG SIGN(48)
I-89 NB & SB

Boring No.: **B-107**
 Page No.: **1 of 1**
 Pin No.: **13A618**
 Checked By: **MLM**

Boring Crew: JUDKINS, HOOK, NIETO
 Date Started: 5/11/15 Date Finished: 5/11/15
 VTSPG NAD83: N 414748.42 ft E 1684196.98 ft
 Station: MM 0.329 NB Offset: 10.00
 Ground Elevation: 485.89 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
05/11/15	26.1	After drilling.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-b, GrSa, brn-gry, Moist, Rec. = 0.7 ft, NXDC, Cleaned out casing.	5-3-2-8 (5)	8.2	30.6	51.7	17.7
		Visual Description:, SiSaGr, brn, Moist, Rec. = 0.2 ft, Insufficient sample for testing. NXDC, Cleaned out casing.	12-24-12-16 (36)				
5		A-2-4, SiSaGr, brn-gry, Moist, Rec. = 0.4 ft, Lab Note: Broken Rock was within sample.	6-3-4-5 (7)	16.9	40.1	33.6	26.3
		A-4, GrSi, brn, MTW, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample. NXDC, Cleaned out casing.	1-1-1-23 (2)	25.1	21.3	7.3	71.4
10		Field Note:, No Recovery, NXDC, Cleaned out casing.	19-8-12-12 (20)				
		Visual Description:, Mostly Broken Rock with sandy silt, gry-brn, Moist, Rec. = 0.4 ft, Lab Note: Insufficient sample for testing.	31-16-16-14 (32)				
		Field Note:, NXDC, Cleaned out casing.					
15		A-4, Si, brn, MTW, Rec. = 0.3 ft, Lab Note: Broken Rock was within sample.	6-2-2-2 (4)	26.7	18.6	11.0	70.4
		Field Note:, NXDC, Cleaned out casing.					
20		A-4, SaSiGr, gry, Moist, Rec. = 0.5 ft, Lab Note: Broken Rock was within sample.	29-19-17-18 (36)	11.0	38.7	23.4	37.9
		Field Note:, NXDC, Cleaned out casing.					
25		Field Note:, No Recovery, NXDC, Cleaned out casing.	R@0.0" (R)				
		Field Note:, NXDC, Cleaned out casing.					
30		A-4, SaSi, gry, Moist, Rec. = 1.4 ft, Lab Note: Broken Rock was within sample.	7-9-7-8 (16)	21.7	10.5	23.9	65.6
		Field Note:, NXDC, Cleaned out casing.					
35		A-4, SaGrSi, gry, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample.	13-11-12-11 (23)	12.3	33.1	29.2	37.7
	Hole stopped @ 37.0 ft						
40	Remarks: 1. Hole collapsed at ground level. 2. Offset measured as the distance from the edge of pavement.						

Notes:
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BORING LOG 2 HARTFORD-ROYALTON IMG SIGN(48).GPJ VERMONT AOT.GDT 5/26/15



STATE OF VERMONT
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BORING LOG

HARTFORD-ROYALTON
 IMG SIGN(48)
 I-89 NB & SB

Boring No.: **B-108**

Page No.: 1 of 1

Pin No.: 13A618

Checked By: MLM

Boring Crew: JUDKINS, HOOK, NIETO

Date Started: 5/12/15 Date Finished: 5/13/15

VTSPG NAD83: N 414695.68 ft E 1684146.63 ft

Station: MM 0.329 NB Offset: 5.00

Ground Elevation: 491.24 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_r = 1.46

Groundwater Observations

Date	Depth (ft)	Notes
		No water to depth.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-2-4, Sa, brn, Moist, Rec. = 1.4 ft	1-2-4-4 (6)	10.3	18.9	63.7	17.4
		A-4, GrSiSa, gry, Moist, Rec. = 1.4 ft, Lab Note: Broken Rock was within sample.	4-8-10-8 (18)	10.7	20.3	43.9	35.8
		Lab Note, Mostly Broken Rock, gry-Lt/brn, Moist, Rec. = 1.1 ft, NXDC, Cleaned out casing.	12-17-40-R (57)	3.0	72.3	18.4	9.3
		A-1-b, SaSiGr, gry-brn, Moist, Rec. = 0.7 ft, Lab Note: Broken Rock was within sample. NXDC, Cleaned out casing.	28-15-12-37 (27)	11.5	53.4	22.2	24.4
10		Lab Note, Mostly Broken Rock, gry-Lt/brn, Moist, Rec. = 1.2 ft, NXDC, Cleaned out casing.	27-30-32-R (62)	9.3	71.1	17.0	11.9
		Field Note:, No Recovery	34-34-6-8 (40)				
15		Field Note:, NXDC, Cleaned out casing.					
		Field Note:, No Recovery	25-R@0.0" (R)				
20		Field Note:, NXDC, Cobbles					
		A-2-4, SiGr, gry/grn, Moist, Rec. = 1.1 ft, Lab Note: Broken Rock was within sample.	30-40-30-14 (70)	13.8	61.8	12.4	25.8
25		Field Note:, NXDC, Cobbles & Wood					
		A-4, GrSaSi, gry, Moist, Rec. = 1.0 ft, Lab Note: Broken Rock was within sample.	6-8-7-8 (15)	16.1	24.7	29.6	45.7
30		Field Note:, NXDC, Cleaned out casing. Appears to be sandy silt					
		A-2-4, SaSiGr, gry-brn, Moist, Rec. = 0.8 ft, Lab Note: Broken Rock was within sample.	9-21-10-9 (31)	10.2	47.0	25.8	27.2
35		Field Note:, NXDC, Cobbles					
		Visual Description:, Broken Rock with sand, blk-white, Moist, Rec. = 0.6 ft	24-27-R@6.0" (R)	5.1			
		Hole stopped @ 36.5 ft					
40		Remarks: 1. Hole collapsed at 19.0 ft. 2. Offset measured as the distance from the edge of pavement.					

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 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.