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

BORING LOG

Peru
STP SCRP(4)

Boring No.: B-101
Page No.: 1 of 1
Pin No.: 07b106
Checked By: ASP

Boring Crew: Roger Burn, TT
Date Started: 6/05/14 Date Finished: 6/05/14
VTSPG NAD83: N 9936.08 ft E 50213.63 ft
Station: 10+28.60 Offset: 3.0L
Ground Elevation: 1945.62 ft

Type:	Casing: Flushwall	Sampler: SPT
I.D.:	4 in	2 in
Hammer Wt:	300 lb.	140 lb.
Hammer Fall:	30 in.	30 in.
Hammer/Rod Type:	Safety	
Rig:	D-50	C_E = 1.3

Groundwater Observations

Date	Depth (ft)	Notes
06/15/14		Dry , after drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-4, SiSa, Rec. = 1.17 ft, 2-inches topsoil over Fill	6-10-8-16 (18)	23.2	18.6	44.6	36.8
		A-2-4, GrSiSa, Rec. = 0.5 ft, Fill	21-10-8-9 (18)	16.6	23.5	45.7	30.8
5		A-2-4, GrSiSa, Rec. = 1.5 ft, Fill	13-17-20-38 (37)	18.8	20.1	50.3	29.6
		A-2-4, SiSa, Rec. = 0.67 ft, Fill	20-33-50-50 (83)	13.6	4.4	68.2	27.4
10		A-1-a, SaGr, Rec. = 0.67 ft, Fill (FILL) (TILL)	13-16-43-50/3" (59)	10.7	57.9	34.5	7.6
15		A-2-4, GrSiSa, Rec. = 0.83 ft, Till	14-15-25-25 (40)	12.6	27.4	37.5	35.1
20		A-4, GrSiSa, Rec. = 1.0 ft, Till	26-40-39-42 (79)	12.2	23.3	38.7	38.0
		Hole stopped @ 22.0 ft					

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_E is the hammer energy correction factor. C_E is an estimated value.
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.
4. Ground surface elevations indicated on the boring logs were estimated based on the grading plan provided by VAOT.

Terracon

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STATE OF VERMONT
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MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING LOG

Peru
STP SCRP(4)

Boring No.: B-102
Page No.: 1 of 1
Pin No.: 07b106
Checked By: ASP

Boring Crew: Roger Burn, TT
Date Started: 6/05/14 Date Finished: 6/05/14
VTSPG NAD83: N 10003.10 ft E 50224.48 ft
Station: 10+75.40 Offset: 4.0L
Ground Elevation: 1973.85 ft

Type:	Casing: Flushwall	Sampler: SPT
I.D.:	4 in	2 in
Hammer Wt:	300 lb.	140 lb.
Hammer Fall:	30 in.	30 in.
Hammer/Rod Type:	Safety	
Rig:	D-50	C_E = 1.3

Groundwater Observations

Date	Depth (ft)	Notes
06/15/14		Dry , after drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		A-1-B, SiGrSa, Rec. = 0.83 ft, 4-inches topsoil over Fill	1-4-13-20 (17)	13.6	27.1	47.9	25.0
		A-2-4, SiGrSa, Rec. = 0.5 ft, Fill	20-16-26-16 (42)	11.2	28.7	43.5	27.8
5		Rec. = 0.0 ft, 4.0 ft - 6.0 ft, boulders from 5 to 14 feet, Fill	12-10-3-3 (13)				
		A-2-4, SiSa, Rec. = 0.33 ft, broken rock, wood pieces, Fill	28-29-18-10 (47)	15.8	13.5	53.5	33.0
		A-1-B, SaGr, Rec. = 0.67 ft, Fill	22-15-20-21 (35)	8.1	50.8	32.1	17.1
10							
15		A-2-4, GrSiSa, Rec. = 1.0 ft, Fill	4-5-8-15 (13)	29.8	23.4	41.5	35.1
20		Organic silt with broken rock, Fill, Rec. = 1.2 ft	9-5-6-11 (11)	93.7			
25		Silt with organic matter and broken rock, Fill, Rec. = 0.33 ft	39-60/6" (60+)	29.4			
30		A-4, GrSaSi, Rec. = 0.83 ft, Fill (FILL) (TILL)	30-40-40-57 (80)	14.1	29.6	34.2	36.2
35		A-2-4, SaSiGr, Rec. = 0.07 ft, Till	46-80-50/1" (130+)	12.7	38.2	28.4	33.4
40		A-2-4, SaSiGr, Rec. = 0.5 ft, Till	51-100/5" (100+)	13.8	36.8	30.2	33.0
45		A-1-B, SiSaGr, Rec. = 0.2 ft, Till	100/3"	18.1	39.5	38.4	22.1
		Hole stopped @ 45.3 ft					

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

BORING LOG

Peru
STP SCRP(4)

Boring No.: B-103
Page No.: 1 of 1
Pin No.: 07b106
Checked By: ASP

Boring Crew: Peter Labossion, TT
Date Started: 6/04/14 Date Finished: 6/04/14
VTSPG NAD83: N 10089.25 ft E 50229.26 ft
Station: 11+84.40 Offset: 0.0R
Ground Elevation: 1988.78 ft

Type:	Casing: Flushwall	Sampler: SPT
I.D.:	4 in	2 in
Hammer Wt:	300 lb.	140 lb.
Hammer Fall:	30 in.	30 in.
Hammer/Rod Type:	Cathead	
Rig:	B-47	C_E = 1.0

Groundwater Observations

Date	Depth (ft)	Notes
06/14/14		Dry , after drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		8-inches bituminous asphalt pavement					
		A-1-B, SaGr, Rec. = 0.67 ft, Fill	16-26-29-31 (55)	4.7	53.4	28.0	18.6
		A-2-4, SiSaGr, Rec. = 0.67 ft, Fill (IMPORTED FILL) (FILL)	26-24-16-18 (40)	7.7	39.1	30.6	30.3
5		A-4, GrSaSi, Rec. = 1.0 ft, Fill	11-16-20-20 (36)	11.8	26.0	34.9	39.1
		A-4, GrSaSi, Rec. = 0.83 ft, drill rig rocking and grinding noises, Fill	20-34-60-75 (94)	9.9	28.1	35.4	36.5
10		A-4, SaSi, Rec. = 1.17 ft, drill rig rocking and grinding noises, Fill	35-39-40-44 (79)	11.4	18.8	39.2	42.0
15		A-2-4, GrSiSa, Rec. = 1.0 ft, Fill	38-42-50-60 (92)	11.5	28.2	40.0	31.8
20		A-1-B, SaGr, Rec. = 0.33 ft, Fill	14-12-14-11 (26)	9.1	48.7	32.0	19.3
25		A-2-4, GrSiSa, Rec. = 0.5 ft, Fill (FILL) (TILL)	5-5-6-8 (11)	16.5	31.8	34.5	33.7
30		A-1-B, SiSaGr, Rec. = 1.0 ft, Till	16-36-41-39 (77)	12.6	41.8	38.0	20.2
35		A-1-B, SiSaGr, Rec. = 0.83 ft, Till	16-16-16-17 (32)	11.2	46.3	29.2	24.5
		Hole stopped @ 36.0 ft					

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NOTE: HORIZONTAL AND VERTICAL DATUMS ARE ASSUMED. REFER TO TIE SHEETS FOR HORIZONTAL AND VERTICAL CONTROL

GREEN INTERNATIONAL AFFILIATES, INC.
CIVIL AND STRUCTURAL ENGINEERS

PROJECT NAME: PERU
PROJECT NUMBER: STP SCRP(4)

FILE NAME: z07b106bor.dgn
PROJECT LEADER: E. ATKINS
DESIGNED BY: M. BRADLEY
BORING SHEET 2

PLOT DATE: 12/31/2014
DRAWN BY: M. BRADLEY
CHECKED BY: E. ATKINS
SHEET 18 OF 45