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

BORING LOG

Peru
STP SCRP(4)

Boring No.: **B-104**
Page No.: 1 of 1
Pin No.: 07b106
Checked By: ASP

Boring Crew: Peter Labossion, TT
Date Started: 6/03/14 Date Finished: 6/03/14
VTSPG NAD83: N 10216.83 ft E 50183.59 ft
Station: 13+11.80 Offset: 0.0R
Ground Elevation: 1991.36 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
06/13/14		Dry , after drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		2-inches asphalt pavement					
		A-2-4, SiGrSa, Rec. = 0.67 ft, Fill	10-7-3-5 (10)	9.7	29.0	42.6	28.4
		Rec. = 0.2 ft, 2.5 ft - 4.5 ft, Fill	11-10-12-14 (22)	6.2			
5		A-2-4, SiGrSa, Rec. = 0.83 ft, Fill (FILL)	9-12-11-15 (23)	10.8	34.0	39.6	26.4
		A-2-4, GrSiSa, Rec. = 1.17 ft, drill rig rocking and grinding noises, Till (TILL)	21-23-40-25 (63)	15.1	23.3	42.8	33.9
10		A-2-4, SiGrSa, Rec. = 1.0 ft, Till	19-19-27-27 (46)	11.5	30.3	43.8	25.9
15		A-2-4, SaGrSi, Rec. = 0.67 ft, Till	30-30-43-52 (73)	10.6	33.9	31.0	35.1
		Tough drilling at 18 feet					
20		A-2-4, GrSiSa, Rec. = 0.25 ft, Till	22-32-37-56 (69)	20.9	32.0	35.1	32.9
25		A-2-4, GrSiSa, Rec. = 1.17 ft, Till, weathered shale in the tip	38-38-42-52 (80)	12.6	28.0	37.6	34.4
30		Weathered shale, Rec. = 0.0 ft	50/1" (50+)				
		Hole stopped @ 29.1 ft					
35							
40							
45							

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
AGENCY OF TRANSPORTATION
MATERIALS & RESEARCH SECTION
SUBSURFACE INFORMATION

BORING LOG

Peru
STP SCRP(4)

Boring No.: **B-105**
Page No.: 1 of 1
Pin No.: 07b106
Checked By: ASP

Boring Crew: Peter Labossion, TT
Date Started: 6/03/14 Date Finished: 6/03/14
VTSPG NAD83: N 10298.35 ft E 50147.43 ft
Station: 14+25.00 Offset: 1.1R
Ground Elevation: 1997.41 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
06/13/14		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, Fill	11-15-18-16 (33)	7.9	39.4	39.6	21.0
		A-2-4, SiGrSa, Rec. = 1.0 ft, Fill (FILL)	12-20-40-42 (60)	11.1	34.1	39.5	26.4
5		A-4, SiSa, Rec. = 1.17 ft, drill rig rocking and grinding noises, Till (TILL)	24-40-34-38 (74)	13.6	17.4	41.9	40.7
		A-4, GrSaSi, Rec. = 1.0 ft, Till	42-34-40-38 (74)	14.3	21.3	38.2	40.5
10		A-2-4, SaSiGr, Rec. = 0.67 ft, roller bit grinding on cobbles/gravel, Till	16-16-30-47 (46)	10.8	40.6	29.3	30.1
15		A-2-4, SiSaGr, Rec. = 0.67 ft, Till	30-30-29-39 (58)	11.4	35.0	33.4	31.6
20		A-4, GrSaSi, Rec. = 1.0 ft, Till	24-45-42-45 (87)	10.8	23.5	36.7	39.8
25		A-4, GrSaSi, Rec. = 1.0 ft, Till	23-29-32-44 (61)	10.9	21.8	37.0	41.2
30		A-4, GrSaSi, Rec. = 1.0 ft, Till	38-40-80/5" (120+)	11.4	25.7	32.7	41.6
		Hole stopped @ 30.4 ft					
35							
40							
45							

Notes:
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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.

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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 3

PLOT DATE: 12/31/2014
DRAWN BY: M. BRADLEY
CHECKED BY: E. ATKINS
SHEET 19 OF 45