



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

BORING LOG

Wilmington
 STP013-1(14)

Boring No.: B-101

Page No.: 1 of 1

Pin No.: 00B252

Checked By: RJF

Boring Crew: Geosearch, Inc., RJF
 Date Started: 3/04/13 Date Finished: 3/04/13
 VTSPG NAD83: N 121478.00 ft E 1545401.00 ft
 Station: 19+50.00 Offset: 8RT
 Ground Elevation: 1628.63 ft

Type: Auger/WB SS
 I.D.: 3 in 1.38 in
 Hammer Wt: 300 140 lb.
 Hammer Fall: 24 30 in.
 Hammer/Rod Type: Safety/N
 Rig: CME 75 Truck CE = 1.0

Groundwater Observations

Date	Depth (ft)	Notes
03/04/13	9.0	

Depth (ft)	Strata (i)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Bituminous concrete, 0.0 ft - 0.5 ft							
2.5		A-1-b, GrSaSi Base, subbase, brn, Rec. = 0.8 ft			50-65 (65+)	6.6	46.5	37.0	16.5
		A-1-b, SaGrSi, brn, Rec. = 2.0 ft			55-70-62-52 (132)	8.8	38.3	44.0	17.7
5.0		A-1-b, SaGrSi, brn, Rec. = 0.6 ft			14-9-50/9" (50+)	10.8	40.4	43.9	15.7
7.5		A-1-b, SaGrSi, brn, Rec. = 0.7 ft			6-35-33-30 (68)	5.5	36.3	42.0	21.7
		A-1-b, GrSaSi, brn, Rec. = 1.5 ft			20-21-18-25/1" (39)	10.2	44.3	39.3	16.4
10.0		A-1-b, GrSaSi, brn, Rec. = 1.0 ft			44-29-30-26 (59)	8.1	53.3	32.8	13.9
12.5		A-2-4, SaGrSi, brn, Rec. = 0.8 ft			19-18-50/2" (68+)	14.0	30.5	47.4	22.1
		Rollerbit to 14.5 feet, begin NX core, 14.0 ft - 14.5 ft							
15.0		14.5 ft - 19.5 ft, NXDC, Gray Granite, hard, slightly weathered to fresh. Joints low angle, close to moderately close spacing, rough, undulating, slightly open to moderately open	1	58 (69)					
17.5									
20.0		Hole stopped @ 19.5 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. CE is the hammer energy correction factor. CE 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.

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BORING LOG

Wilmington
 STP013-1(14)

Boring No.: B-102
 Page No.: 1 of 1
 Pin No.: 00B252
 Checked By: RJF

Boring Crew: Geosearch, Inc., RJF
 Date Started: 3/04/13 Date Finished: 3/04/13
 VTSPG NAD83: N 121453.00 ft E 154382.00 ft
 Station: 19+30.00 Offset: 10LT
 Ground Elevation: 1627.33 ft

Casing Sampler
 Type: Auger/WB SS
 I.D.: 3 in 1.38 in
 Hammer Wt: 300 140 lb.
 Hammer Fall: 24 30 in.
 Hammer/Rod Type: Safety/N
 Rig: CME 75 Truck CE = 1.0

Groundwater Observations

Date	Depth (ft)	Notes
03/04/13	8.5	

Depth (ft)	Strata (I)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (ROD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Bituminous concrete, 0.0 ft - 0.58 ft							
		Base, subbase, 0.58 ft - 2.0 ft							
2.5		A-1-b, SaGrSi, brn, Rec. = 1.8 ft			50-32-30-30 (62)	9.0	33.5	50.1	16.4
5.0		A-1-b, SaGrSi, brn, Rec. = 0.3 ft			13-50/2" (50+)	8.2	35.0	48.2	16.8
7.5		A-2-4, SaGrSi, brn, Rec. = 0.1 ft			25/0" (0)	7.9	16.6	53.0	30.4
10.0		A-1-b, GrSaSi, brn, Rec. = 0.6 ft			9-15-12-16 (27)	6.9	57.2	28.8	14.0
12.5		A-2-4, SaGrSi, brn, Rec. = 1.3 ft			11-9-14-23 (23)	16.0	17.4	60.2	22.4
12.5		A-2-4, SaGrSi, brn, Rec. = 0.5 ft			42-25/0" (0)	9.7	24.5	48.1	27.4
15.0		14.0 ft - 19.0 ft 14.0 ft - 19.0 ft, NXDC, Dark Gray Schist, hard, slightly weathered to fresh. Joints low angle to moderately dipping, close to moderately close spacing, rough, undulating, slightly open	1	58 (85)		14.0			
17.5									
20.0		Hole stopped @ 19.0 ft							

Notes:

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