



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

BORING LOG

Wilmington  
STP013-1(14)

Boring No.: B-101

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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							
		A-1-b, GrSaSi Base, subbase, brn, Rec. = 0.8 ft			50-65 (65+)	6.6	46.5	37.0	16.5
2.5		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
10.0		A-1-b, GrSaSi, brn, Rec. = 1.5 ft			20-21-18-25/1" (39)	10.2	44.3	39.3	16.4
12.5		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
15.0		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.