



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

BORING LOG

WARREN  
 STP-ER-IRNO(100)  
 VT-100 MM 3.07

Boring No.: B-101

Page No.: 1 of 1

Pin No.: 12X504

Checked By: LAR

Boring Crew: GARROW, JUDKINS, DAIGNEAULT

Date Started: 12/11/12 Date Finished: 12/11/12

VTSPG NAD83: N 584380.96 ft E 1545748.04 ft

Station: 501+00 Offset: 5.80

Ground Elevation: 964.7 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 SKID C = 1.33

Groundwater Observations

Date	Depth (ft)	Notes
12/11/12	4.5	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 %
		Asphalt Pavement, 0.0 ft - 0.55 ft								
		Field Note: GrSaSi with Broken Rock and lots of Asphalt Pavement, brn, Moist, Rec. = 0.8 ft, Sample was discarded.				3-9-9-5 (18)				
5		Field Note: Cleaned out casing, Appears to be Sandy Silt.								
		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft				3-2-3-5 (5)	12.6	22.6	69.0	8.4
10		Field Note: Cleaned out casing, Appears to be Gravel.								
		A-1-b, SaGr, brn, Moist, Rec. = 1.1 ft				39-17-16-11 (33)	10.5	44.5	41.7	13.8
15		Field Note: Cleaned out casing								
		A-2-4, GrSiSa with some Broken Rock, gry, Moist, Rec. = 0.6 ft				12-20-36-R (56)	12.8	21.6	51.4	27.0
20		17.9 ft - 22.9 ft, Greenish gray, Phyllitic Schist, Moderately hard, Unweathered, Good rock, NXMDC, RMR = 76	1 (60)	88 (78)	6 6 9 10 10					
		Hole stopped @ 22.9 ft								
25		Remarks: 1. Hole collapsed at 11.8 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 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 WARREN STPERIRNO(100).GPJ VERMONT AOT.GDT 4/29/13



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BORING LOG

**WARREN**  
**STP-ER-IRNO(100)**  
**VT-100 MM 3.07**

Boring No.: **B-102**

Page No.: 1 of 1

Pin No.: 12X504

Checked By: LAR

Boring Crew: GARROW, JUDKINS, DAIGNEAULT  
 Date Started: 12/12/12 Date Finished: 12/12/12  
 VTSPG NAD83: N 584405.65 ft E 1545745.99 ft  
 Station: 501+25 Offset: 5.00  
 Ground Elevation: 966.2 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 45C SKID C<sub>r</sub> = 1.33

Groundwater Observations		
Date	Depth (ft)	Notes
12/12/12	9.9	While Drilling.
12/12/12	12.2	Casing Removed.

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Asphalt Pavement, 0.0 ft - 0.6 ft					
		A-1-b, SaGr, brn, Moist, Rec. = 1.2 ft	4-14-10-24 (24)	11.0	44.2	39.2	16.6
5		Field Note:, Cleaned out casing. Appears to be Gravely Sand					
		A-1-b, GrSa, brn-gry, Moist, Rec. = 0.8 ft	9-10-16-22 (26)	10.5	30.6	51.0	18.4
10		Field Note:, Cleaned out casing. Appears to be Sandy Silt					
		A-1-b, GrSa, brn, Moist, Rec. = 0.8 ft	14-12-14-15 (26)	10.0	35.4	47.2	17.4
15		Field Note:, Cleaned out casing. Appears to be Gravely Sand					
		A-1-b, GrSa, brn, Moist, Rec. = 1.1 ft	15-15-15-22 (30)	10.9	35.7	47.8	16.5
20		Field Note:, Cleaned out casing. Appears to be Gravely Sand					
		A-2-4, SiSa, brn, Moist, Rec. = 1.2 ft	18-28-R (R)	17.0	17.7	49.2	33.1
		Hole stopped @ 22.4 ft					
25		Remarks: 1. Possible Top of Bedrock at 22.4 ft. 2. Hole collapsed at 16.8 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<sub>r</sub> 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.

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