



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

BORING LOG

Boring No.: B-101
Page No.: 1 of 1
Pin No.: 09B308
Checked By: NSM

WALDEN
BRF 030-3(5)
VT-15 BR-83

Boring Crew: PORTER, DAIVSON
Date Started: 4/26/12 Date Finished: 4/26/12
VTSPG NAD83: N 710823.78 ft E 1712397.75 ft
Station: 272+43 Offset: 7.00
Ground Elevation: 1630.91 ft

Casing: WB
Sampler: SS
I.D.: 3 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 CE = 1.33

Groundwater Observations
Date Depth (ft) Notes

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 %
0.0 - 0.5		Asphalt Pavement, 0.0 ft - 0.5 ft				R@12.0"	9.3	48.6	36.3	15.1
0.5 - 0.9		A-1-b, SaGr, brn-gry, Moist, Rec. = 0.5 ft								
0.9 - 5.0		Visual Description: Mostly Asphalt Pavement with silty sand, brn, Moist, Rec. = 0.9 ft				37-17-10-10 (27)	8.8			
5.0 - 6.0		Field Note: No Recovery				6-7-6-7 (13)				
6.0 - 8.0		Field Note: No Recovery				6-4-4-8 (8)				
8.0 - 11.0		A-4, SiSa, brn, Moist, Rec. = 1.1 ft				2-4-4-4 (8)	29.0	18.5	43.8	37.7
11.0 - 14.9		Field Note: No Recovery, Last water at 11.0 ft.				2-3-13-3 (16)				
14.9 - 19.5		A-2-4, SiSa, brn, Moist, Rec. = 0.3 ft, Lots of Wood pieces were within sample.				4-4-5-4 (9)	80.3	5.9	67.2	26.9
19.5 - 21.3		14.9 ft - 19.5 ft, Dark-gray-to silvery-gray, muscovite-biotite-quartz Phyllite, Moderately hard, Unweathered, Fair rock, BXMDC, RMR = 57	1 (30)	92 (46)	7	Top of Bedrock @ 14.9 ft				
21.3 - 22.4		19.5 ft - 21.3 ft, Dark-gray-to silvery-gray, muscovite-biotite-quartz Phyllite, Moderately hard, Unweathered, Good rock, BXMDC, RMR = 69, Note: Short core run due to rig mechanical problems.	2 (30)	100 (94)	6					
22.4 - 29.0		Hole stopped @ 21.3 ft								

BOTTOM OF FOOTING
TOP OF SUBFOOTING
ABUTMENT #1
ELEV 1619.00
(SUBFOOTING 1' MIN)

BORING LOG 2 WALDEN BRF 030-3(5) (P) VERMONT AOT.GDT 5/25/12

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.
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.



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BORING LOG

Boring No.: B-102
Page No.: 1 of 1
Pin No.: 09B308
Checked By: NSM

WALDEN
BRF 030-3(5)
VT-15 BR-83

Boring Crew: PORTER, DAIVSON
Date Started: 4/24/12 Date Finished: 4/24/12
VTSPG NAD83: N 710838.62 ft E 1712444.65 ft
Station: 272+87 Offset: -15.00
Ground Elevation: 1630.57 ft

Casing: WB
Sampler: SS
I.D.: 3 in 1.5 in
Hammer Wt: N.A. 140 lb.
Hammer Fall: N.A. 30 in.
Hammer/Rod Type: Auto/AWJ
Rig: CME 55 TRACK CE = 1.46

Groundwater Observations
Date Depth (ft) Notes

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 %
0.0 - 0.5		A-1-b, GrSa, brn, Moist, Rec. = 1.4 ft				3-5-6-6 (11)	15.2	25.7	55.8	18.5
0.5 - 0.7		A-2-4, SiSa, brn, Moist, Rec. = 0.7 ft				4-5-5-5 (10)	22.0	16.9	48.8	34.3
0.7 - 1.9		A-4, SaSi, brn, Moist, Rec. = 1.9 ft				4-3-4-4 (7)	31.6	4.8	42.7	52.5
1.9 - 2.3		A-4, SaSi, brn, Moist, Rec. = 1.7 ft, Pieces of Wood were within sample.				2-3-3-3 (6)	44.8	3.3	36.8	59.9
2.3 - 3.3		A-4, SiSa, brn, Moist, Rec. = 1.0 ft, Pieces of Wood were within sample.				WH-1-1- (2)	55.7	14.7	42.7	42.6
3.3 - 4.6		Visual Description: SiSa with Wood and Broken Rock, brn, Moist, Rec. = 0.1 ft, Insufficient sample for testing.				7-5-4-6 (9)				
4.6 - 8.0		Field Note: Wood in sampler				8-R@2.0"				
8.0 - 12.8		12.8 ft - 17.4 ft, Dark-bluish-gray micaceous Meta-Limestone, Hard, Unweathered, Good rock, BXMDC, RMR = 72	1 (NA)	100 (59)	5	Top of Bedrock @ 12.8 ft				
12.8 - 17.4										
17.4 - 20.1		17.4 ft - 20.1 ft, Dark-bluish-gray micaceous Meta-Limestone, Hard, Unweathered, Good rock, BXMDC, RMR = 76	2 (NA)	100 (78)	5					
20.1 - 22.4		20.1 ft - 22.4 ft, Dark-gray-to silvery-gray, muscovite-biotite-quartz Phyllite, Moderately hard, Unweathered				(30)				
22.4 - 29.0		Hole stopped @ 22.4 ft								

BOTTOM OF FOOTING
TOP OF SUBFOOTING
ABUTMENT #1
ELEV 1619.00
(SUBFOOTING 1' MIN)

BORING LOG 2 WALDEN BRF 030-3(5) (P) VERMONT AOT.GDT 5/25/12

Notes: 1. Stratification lines represent approximate boundary between material types. Transition may be gradual.
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PROJECT NAME: WALDEN
PROJECT NUMBER: BRF 030-3(5)
FILE NAME: s09b308_bor.dgn
PROJECT LEADER: C. CARLSON
DESIGNED BY: H. SALLS
BORING LOG
PLOT DATE: 05-DEC-2014
DRAWN BY: R. PELLET
CHECKED BY: H. SALLS
SHEET 23 OF 56