

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-101				
		WINHALL STP CULV (31) Bridge 52		Page No.: 1 of 2				
				Pin No.: 11b268				
				Checked By: J. MacGregor				
Boring Crew: J. Leonhardt, K. Owens		Casing Sampler		Groundwater Observations				
Date Started: 9/21/12 Date Finished: 9/24/12		Type: WASH BORE SS		Date Depth Notes				
VTSPG NAD83: N 257381.67 ft E 1517692.97 ft		I.D.: 4 in 1.38 in		09/21/12 11.0				
Station: 42+12 Offset: 24.86W		Hammer Wt: 140 lb. 140 lb.						
Ground Elevation: 1933.0 ft		Hammer Fall: 30 in. 30 in.						
		Hammer/Rod Type: Auto/NWJ						
		Rig: CME 75 ATV Mounted CE = 1.4						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0		0.0 ft - 1.0 ft, Augered through asphalt pavement						
2.5	x x x	A-1-b, f.c. GRAVEL, Some f.m.c. Sand, little silt, medium compact, brown/gray, Moist, Rec. = 0.5 ft, Fill		11-12-4-7 (16)	3.8	53.4	28.5	18.1
5.0	x x x	A-4, SILT, Some f. Sand, trace f. gravel, medium compact, brown/red brown, MTW, Rec. = 1.2 ft, Fill		5-6-12-20 (18)				
7.5		A-2-4						
10.0		A-2-4, f.c. GRAVEL, Some Silt, Some f.m.c. Sand, very compact, brown/gray, Moist, Rec. = 0.8 ft		48-34-56-32 (90)	11.5	34.4	33.8	31.8
12.5		A-2-4, f.m.c. SAND, Some f.c. Gravel, Some Silt, very compact, brown, Wet, Rec. = 0.6 ft		17-22-30-31 (52)				
15.0		A-2-4, f.m.c. SAND, Some Silt, Some f.c. Gravel, compact, brown, Moist, Rec. = 1.2 ft, Zones of weathered rock fragments in sample.		17-20-20-20 (40)				
17.5		A-4						
20.0		A-4, SILT, Some f.m.c. Sand, little f.c. gravel, very compact, brown/black, Moist, Rec. = 1.2 ft		25-46-26-26 (72)				
22.5		A-4, SILT, Some f.m.c. Sand, trace f.c. gravel, medium compact, brown, Wet, Rec. = 1.1 ft		13-12-11-12				
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.								

BOTTOM OF CULVERT  
APPROX. EL. 1919.5

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27.5				(23)				
30.0		A-4, No Recovery, Rec. = 0.0 ft, Coarse gravel in shoe of spoon.		29-27-31-44 (58)				
32.5								
35.0		A-4, becomes very compact, Rec. = 1.5 ft		35-80-38-47 (118)				
37.5		Hole stopped @ 36.0 ft						
40.0		Remarks: Groundwater observations made during drilling may not represent static conditions. Drilling difficulty greatly increased at 20'.						
42.5								
45.0								
47.5								
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PROJECT NAME: WINHALL  
PROJECT NUMBER: STP CULV(31)

FILE NAME: z11b268bor\_log\_br52.dgn PLOT DATE: 9/25/2014  
PROJECT LEADER: M. CHENETTE DRAWN BY: L. BUXTON  
DESIGNED BY: VTRANS CHECKED BY: VTRANS  
BORING LOG I- BR52 SHEET 45 OF 60

