

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-101		
		BARRE TOWN STP SCR(10)		Page No.: 1 of 1		Pin No.: 10D202		
		VT-14 CULVERT, JOCKEY HOLLOW		Checked By: LAR				
Boring Crew: GARROW, SALISBURY		Casing Sampler		Groundwater Observations				
Date Started: 8/02/12 Date Finished: 8/23/12		Type: H.S.A. SS		Date Depth Notes				
VTSPG NAD83: N 612617.96 ft E 1639836.80 ft		I.D.: 3.25 in 1.5 in		No data collected.				
Station: 119+29 Offset: -10.00		Hammer Wt: N.A. 140 lb.						
Ground Elevation: 670.0 ft		Hammer Fall: N.A. 30 in.						
		Hammer/Rod Type: Auto/AWJ						
		Rig: CME 45C TRACK CE = 1.34						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Field Note: Asphalt Pavement						
		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft, A few pieces of Broken Granite & Concrete were within sample.		10-12-11-6 (23)	5.1	40.0	42.6	17.4
5		Visual Description: SiSa, brn, Wet, Rec. = 0.2 ft, Insufficient sample for testing.		(WH)				
		Field Note: Possible void in this area.						
10		A-2-4, GrSiSa, brn, Moist, Rec. = 0.9 ft		2-1-5-6 (6)	17.2	21.0	44.6	34.4
		A-1-a, SaGr, gry, Moist, Rec. = 0.5 ft, Sample was mostly Broken/Fractured Rock.			9.9	64.3	23.2	12.5
15		A-2-4, SiSa, brn, Moist, Rec. = 1.1 ft, Some pieces of Wood were within sample. Possible wood mat.		7-4-3-4 (7)	27.4	4.0	66.0	30.0
		A-4, SaSi, Dk/brn, Moist, Rec. = 0.7 ft, A lot of Sticks/Wood were within sample. Possible wood mat.			40.7	3.1	46.9	50.0
		Field Note: Switched over to Wash Bore method of drilling and used 4" casing						
20		A-1-b, Sa, gry, Moist, Rec. = 0.8 ft		1-2-2-3 (4)	24.4	2.3	90.1	7.6
		A-1-b, Sa, gry, Moist, Rec. = 1.5 ft		3-3-6-6 (9)	21.2	9.0	81.7	9.3
25		A-1-b, SaGr, brn, Moist, Rec. = 0.4 ft		9-8-5-4 (13)	10.5	46.9	38.7	14.4
		A-1-a, SaGr, brn, Moist, Rec. = 1.0 ft		5-6-8-7 (14)	11.3	54.9	35.3	9.8
		A-1-b, SaGr, brn, Moist, Rec. = 0.6 ft		5-5-3-3 (8)	18.1	48.9	42.6	8.5
30		A-1-a, SaGr, brn, Moist, Rec. = 0.7 ft		5-4-10-14 (14)	11.7	61.3	28.2	10.5
		A-1-a, SaGr, brn, Moist, Rec. = 0.6 ft		12-16-11-9 (27)	13.4	57.0	30.6	12.4
		A-1-a, SaGr, brn, Moist, Rec. = 1.3 ft		13-8-6-7 (14)	13.3	56.9	35.7	7.4
35		Hole stopped @ 36.0 ft						
40		Remarks: During washbore method of drilling with water pumped from a nearby stream, suds were noticeable.						
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.						

BOX INV. OUT  
EL. 655.70

B.O.F. WINGWALL  
NO. 3 AND 4  
EL. 650.70

BORING LOG 2 BARRE TOWN STP SCR(10) (S.F.) VERMONT AOT.SDT 9/14/12

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-102		
		BARRE TOWN STP SCR(10)		Page No.: 1 of 1		Pin No.: 10D202		
		VT-14 CULVERT, JOCKEY HOLLOW		Checked By: LAR				
Boring Crew: GARROW, SALISBURY, WHITLOCK		Casing Sampler		Groundwater Observations				
Date Started: 8/23/12 Date Finished: 8/23/12		Type: WB SS		Date Depth Notes				
VTSPG NAD83: N 612593.29 ft E 1639845.49 ft		I.D.: 3.25 in 1.5 in		No data collected.				
Station: 119+11 Offset: 11.00		Hammer Wt: N.A. 140 lb.						
Ground Elevation: 671.0 ft		Hammer Fall: N.A. 30 in.						
		Hammer/Rod Type: Auto/AWJ						
		Rig: CME 45C TRACK CE = 1.34						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
		Field Note: Asphalt Pavement						
		A-1-b, GrSiSa, brn, Moist, Rec. = 1.3 ft		20-15-8-9 (23)	10.8	24.7	50.2	25.1
5		Field Note: Roller Coned ahead. Appears to be sandy silt.						
		Visual Description: SiSa, brn, Moist, Rec. = 0.2 ft, Similar material as 10-12 ft. Insufficient sample for testing.		4-4-4-3 (8)				
10		Field Note: Roller Coned ahead. Appears to be sandy silt.						
		A-4, SiSa, brn, Moist, Rec. = 1.1 ft		3-3-7-13 (10)	21.3	9.7	52.9	37.4
15		Field Note: Roller Coned ahead. Appears to be sandy silt.						
		Visual Description: Wood Particles, brn, Moist, Rec. = 0.1 ft, Possible wood mat.		3-3-1-2 (4)				
		Visual Description: Wood Particles with silty sand, brn, Moist, Rec. = 0.4 ft, Roller Coned ahead. Possible wood mat.		WH-WH-3-3 (3)				
20		A-1-b, Sa, brn, Wet, Rec. = 1.0 ft, Some Wood particles were within sample.		4-4-7-5 (11)	27.4	4.4	88.4	7.2
		A-1-b, SiSa, brn, MTW, Rec. = 1.3 ft		2-3-5-5 (8)	22.8	5.3	73.5	21.2
		A-1-b, Sa, brn, Moist, Rec. = 0.8 ft		6-5-8-7 (13)	17.3	19.9	67.2	12.9
25		A-1-a, SaGr, brn, Moist, Rec. = 0.5 ft		5-5-8-6 (13)	12.0	62.6	26.0	11.4
		A-1-a, SaGr, brn, Moist, Rec. = 0.7 ft		8-8-6-8 (14)	12.3	64.6	25.2	10.2
30		A-1-a, SaGr, gry, Moist, Rec. = 0.7 ft		10-12-20-18 (32)	13.8	73.5	23.3	3.2
		A-2-4, Sa, gry, Moist, Rec. = 0.3 ft		9-6-6-5 (12)	22.7	19.2	66.6	14.2
		A-1-b, SiGrSa, gry, Moist, Rec. = 0.4 ft		9-8-8-8 (16)	20.1	27.3	52.6	20.1
35		Hole stopped @ 35.0 ft						
40		Remarks: During washbore method of drilling with water pumped from a nearby stream, suds were noticeable.						
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.						

B.O.F. WINGWALL NO. 1  
EL. 659.50  
BOX INV. IN  
EL. 658.00

B.O.F. WINGWALL NO. 2  
AND C.L.P. FILLER WALL  
EL. 653.00

BORING LOG 2 BARRE TOWN STP SCR(10) (S.F.) VERMONT AOT.SDT 9/14/12

PROJECT NAME:	BARRE TOWN	PLOT DATE:	2/13/2014
PROJECT NUMBER:	STP SCR(10)	DRAWN BY:	M. SMITH
FILE NAME:	z10d202bor.dgn	CHECKED BY:	J. BYATT
PROJECT LEADER:	K. UPMAL	BORING LOGS	SHEET 10 OF 43
DESIGNED BY:	S. BEAUMONT		