

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-201		
				Stamford STP 1441(29) CHA #27138.1000.32000 Stamford, VT		Page No.: 1 of 1 Pin No.: 96j226 Checked By: _____		
Boring Crew: D. Lyons, D. Spielvogel		Casing Sampler		Groundwater Observations				
Date Started: 9/23/13 Date Finished: 9/23/13		Type: H.S.A. SS		Date		Notes		
VTSPG NAD83: N 91317.45 ft E 1473921.54 ft		I.D.: 4.25 in 1.38 in		09/23/13		None Observed		
Station: 11+27.00 Offset: 2.7' LT		Hammer Wt: N.A. 140 lb.						
Ground Elevation: 1794.0 ft		Hammer Fall: N.A. 30 in.						
		Hammer/Rod Type: Auto/AWJ						
		Rig: CME 55 TRUCK CE = 1.3						
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5	x x x	A-1-a, f.c. SAND, Some f.c. Gravel, little silt, compact, brown, moist, Rec. = 1.7 ft, (FILL)		18-16-16-13 (32)				
	x x x	A-1-a, f.c. SAND, little f.c. gravel, little silt, medium compact, brown, moist, Rec. = 1.0 ft, (FILL)		10-7-4-5 (11)				
	x x x	A-1-a, f.c. GRAVEL, Some f.c. Sand, little silt, medium compact, brown/gray, moist, Rec. = 0.7 ft, (FILL)		4-7-10-11 (17)				
	x x x	A-1-a, f.c. SAND, Some f.c. Gravel, little silt, medium compact, brown/gray, moist, Rec. = 0.5 ft, (FILL)		16-7-14-7 (21)				
	x x x	Poor Recovery, Rec. = 0.2 ft		18-4-5-10 (9)				
10		Hole stopped @ 10.0 ft						
15		Remarks: Auger refusal at a depth of 10' on boulders and cobbles. Boring terminated and offset to location B-201A.						
20								
25								
30								
35								
40								
Notes:		1. Stratification lines represent approximate boundary between material types. Transition may be gradual. <<SUB>><<SUB>> 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.						

TOP OF FOOTING
EL. - 1777.50'

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TOP OF FOOTING
EL. - 1777.50'

2010 COPY: 27138_LOGS.GPJ VERMONT AOT.GDT 2/7/14

VT Trans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-201A					
				Stamford STP 1441(29) CHA #27138.1000.32000 Stamford, VT		Page No.: 1 of 1 Pin No.: 96j226 Checked By: _____					
Boring Crew: D. Lyons, D. Spielvogel		Casing Sampler		Groundwater Observations							
Date Started: 9/23/13 Date Finished: 9/24/13		Type: FJC SS		Date		Notes					
VTSPG NAD83: N 91312.22 ft E 1473922.01 ft		I.D.: 5 in 1.38 in		09/23/13		15.3 Beginning of Day					
Station: 11+22.00 Offset: 1.6 LT		Hammer Wt: AIR HAMMER 140 lb.									
Ground Elevation: 1794.3 ft		Hammer Fall: N.A. 30 in.									
		Hammer/Rod Type: Auto/NW									
		Rig: CME 55 TRUCK CE = 1.3									
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Run (Dip deg.)	Core Rec. % (RQD %)	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	
5											
10	x x x	A-1-a, f.c. GRAVEL, Some f.c. Sand, little silt, medium compact, brown/gray, moist, Rec. = 0.5 ft, (FILL)				3-12-11-9 (23)					
	x x x	A-1-a, f.c. GRAVEL, Some f.c. Sand, little silt, trace wood, medium compact, brown/gray, moist, Rec. = 0.6 ft, (FILL)				5-6-6-6 (12)		59.7	27.6	12.7	
	x x x	A-1-a, f.c. GRAVEL, Some f.c. Sand, little silt, very compact, gray, moist, Rec. = 0.6 ft, (FILL)				47-21-50/0.4' (R)					
15	x x x	A-1-b, f.c. SAND, Some f.c. Gravel, little silt, very compact, brown, wet, (Glacial Till)				50-50/0.1' (R)					
		A-1-b No Recovery, Rec. = 0.0 ft									
		A-1-b No Recovery, Rec. = 0.0 ft									
20		No Recovery Rec. = 0.0 ft									
25											
30		27.0 ft - 35.4 ft, Gray, Granite, Hard, Slightly weathered, Fair rock, NXDC		R-1	65.5 (54)						
35		Hole stopped @ 35.4 ft									
40		Remarks: Boring B-201A was offset from B-201 and advanced to a depth of 10' without sampling. At a depth of 21 feet, Symmetrix down hole hammer encountered very hard drilling indicative of bedrock. Sample S-5 attempted at a depth of 22 feet encountered refusal without any penetration. Casing advanced to a depth of 24 with steady, very hard drilling conditions indicative of bedrock. Coring operations would have been attempted at 24 feet however hammer was lodged within casing. Additional casing advancement of 3 feet was required to break the hammer free from the casing. Top of bedrock was interpreted at a depth of 21 feet based on drilling characteristics.									
Notes:		1. Stratification lines represent approximate boundary between material types. Transition may be gradual. <<SUB>><<SUB>> 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.									

PROJECT NAME:	STAMFORD
PROJECT NUMBER:	STP 1441(29)
FILE NAME:	s96j226bor.dgn
PROJECT LEADER:	C.W. CARLSON
DESIGNED BY:	H. SALLS
BORING LOG 1	
PLOT DATE:	03-DEC-2015
DRAWN BY:	D. KARABEGOVIC
CHECKED BY:	H. SALLS
SHEET	16 OF 44