

VTTrans		STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING LOG		Boring No.: B-103				
				BERLIN STPG SGNL(40) VT-62		Page No.: 1 of 1 Pin No.: 11B358 Checked By: MLM				
Boring Crew: GARROW, JUDKINS		Casing Sampler		Groundwater Observations						
Date Started: 10/01/12 Date Finished: 10/01/12		Type: H.S.A. SS		Date	Depth (ft)	Notes				
VTSPG NAD83: N 625985.00 ft E 1624537.00 ft		I.D.: 3.25 in 1.5 in		10/01/12	21.7	While drilling.				
Station: 69+00 Offset: -50.00		Hammer Wt: N.A. 140 lb.								
Ground Elevation: 979.0 ft		Hammer Fall: N.A. 30 in.								
		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 55 TRACK C _r = 1.46								
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blows* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		A-2-4, SiSa, brn, Moist, Rec. = 0.6 ft		1-1-5-4 (6)	25.2	14.1	57.8	28.1		
		A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft		10.2	53.2	28.0	18.8			
		A-2-4, GrSiSa, gry-brn, Moist, Rec. = 1.4 ft, Broken Rock was within sample.		1-2-4-11 (6)	22.4	29.7	35.3	35.0		
5		A-4, GrSaSi, brn, MTW, Rec. = 1.4 ft		8-12-10-7 (22)	14.8	21.6	31.3	47.1		
		A-4, Si (NP), gry-brn, Moist, Rec. = 1.4 ft, Very little Broken Rock.		4-5-5-6 (10)	20.8	11.1	12.0	76.9	26	4
		Field Note: No Recovery		3-5-8-8 (13)						
10		A-4, Si, gry, Moist, Rec. = 1.6 ft, With some Broken Rock.		4-10-13-12 (23)	12.6	17.9	18.3	63.8		
15		A-4, Si, gry, Moist, Rec. = 1.4 ft		4-6-11-12 (17)	22.9	1.0	2.5	96.5		
20		A-4, SaSi, gry, MTW, Rec. = 1.5 ft		9-12-12-14 (24)	24.8		23.9	76.1		
25		A-4, Si, gry, MTW, Rec. = 1.9 ft		4-9-14-17 (23)	27.5	0.8	5.6	93.6		
		Hole stopped @ 26.0 ft								
		Remarks: 1. Hole Collapsed around 2.5 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 _r 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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				BERLIN STPG SGNL(40) VT-62		Page No.: 1 of 1 Pin No.: 11B358 Checked By: MLM				
Boring Crew: GARROW, JUDKINS, WHITLOCK		Casing Sampler		Groundwater Observations						
Date Started: 10/02/12 Date Finished: 10/02/12		Type: H.S.A. SS		Date	Depth (ft)	Notes				
VTSPG NAD83: N 625943.00 ft E 1624633.00 ft		I.D.: 3.25 in 1.5 in		10/02/12		No water to depth.				
Station: 69+04 Offset: 55.51		Hammer Wt: N.A. 140 lb.								
Ground Elevation: 984.0 ft		Hammer Fall: N.A. 30 in.								
		Hammer/Rod Type: Auto/AWJ								
		Rig: CME 55 TRACK C _r = 1.46								
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)		Blows* (N Value)	Moisture Content %	Gravel %	Sand %	Fines %	LL %	PI %
		A-1-b, SaGr, brn, Moist, Rec. = 0.5 ft, Broken Granite Rock was within sample.		1-2-2-2 (4)	8.8	43.7	42.9	13.4		
		A-2-4, SiSa, brn, Moist, Rec. = 0.8 ft		1-3-2-2 (5)	12.6	1.2	66.8	32.0		
5		A-4, SaSi, gry, Moist, Rec. = 0.5 ft		5-4-4-11 (8)	18.7	18.6	36.4	45.0		
		A-4, GrSaSi, gry-brn, Moist, Rec. = 1.1 ft, Found an unknown wire at 5.0 ft.		5-4-4-11 (8)	21.7	25.2	33.2	41.6		
		A-2-4, SiGr, gry, Moist, Rec. = 0.3 ft, Sample was mostly Broken Rock.		R@6.0'	14.5	56.8	17.6	25.6		
		Field Note: No Recovery		10-8-7-7 (15)						
10		A-4, Si, brn-gry, Moist, Rec. = 1.4 ft		2-6-7-8 (13)	25.4	3.1	2.1	94.8	32	5
15		A-4, CiSi, gry, Moist, Rec. = 1.4 ft		2-4-9-9 (13)	24.6	0.6	99.4	35	8	
20		Visual Description: CiSi, gry, Moist, Rec. = 1.5 ft, Material was similar to 15-17 ft.		5-8-12-11 (20)	25.0					
25		A-7-6, SiCi, gry, Moist, Rec. = 1.8 ft		3-10-14-15 (24)	27.7	1.0	99.0	44	17	
		Hole stopped @ 27.0 ft								
		Remarks: 1. Hole Collapsed around 6.0 ft. 2. Located an Unknown Wire around 5.0 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 _r 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: BERLIN
 PROJECT NUMBER: STPG SGNL(40)
 FILE NAME: bor02.dgn PLOT DATE: 10/20/2014
 PROJECT LEADER: P. COBURN DRAWN BY: T. SISSON
 DESIGNED BY: T. SISSON CHECKED BY: M. LACROIX
 BORING LOG SHEET 2 SHEET 44 OF 123