



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

BORING LOG	
Boring No.:	B-304
Page No.:	1 of 2
Pin No.:	12a026
Checked By:	JFW

Boring Crew: Jesse McIntyre (GeoDesign), Ralph Ciccaterri (SJB)	Casing Sampler	Groundwater Observations (3)
Date Started: 8/21/12 Date Finished: 8/23/12	Type: FJ	Date Depth Notes
VTSPG NAD83: N 136737.00 ft E 1621700.00 ft	I.D.: 4 in	
Station: 570+22 Offset: 1' R	Hammer Wt: 140 lb. N.A.	
Ground Elevation: 233.2 ft	Hammer Fall: 30 in. N.A.	
	Hammer/Rod Type: Auto/NWJ	
	Rig: CME 550X ATV CE = 1.5	

Depth (ft)	Strata(1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Blows/6" (N Value)(2)	Moisture Content %	Gravel %	Sand %	Fines %
0 - 5	x x x	Inferred to be Fill based on soil samples from nearby Boring B-209							
5 - 45		Inferred to be Silty Sand with occasional gravelly layers based on soil samples from nearby Boring B-209.							
45 - 48		Inferred to be Silty Gravelly Sand based on soil samples from nearby Boring B-209.							

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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Depth (ft)	Strata(1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RQD %)	Blows/6" (N Value)(2)	Moisture Content %	Gravel %	Sand %	Fines %
0 - 3									
3 - 55		C1) Upper 12": Slough in borehole. Bottom 16": Poor quality, moderately hard to hard, fresh with slightly weathered jointing, closely jointed, gray with white PHYLLITE With white Quartz intrusions. Jointing from near horizontal to ~60 degrees from horizontal. No reaction to dilute HCl.	C1	55 (36)					
55 - 60		C2) Very poor quality, moderately hard to hard, slightly to moderately weathered, closely jointed to shattered, gray with white PHYLLITE Jointing ~45 degrees from horizontal. No reaction to dilute HCl. Hole stopped @ 59.5 ft	C2	100 (0)					
60 - 95		Remarks: 1) Soil boring location and elevation shown are surveyed by VHB. 2) No groundwater observations were made due to wash-drive drilling method. 3) Soil strata is inferred from B-209 located 3 feet southwest of B-304. No soil samples were taken from Boring B-304. 4) Advanced boring with hollow stem augers to 14' deep prior to switching to 4" flush joint casing. Drove casing to 35' deep. 5) Advanced borehole open hole with the rollerbit from 35' to 55' deep. Telescoped through the 4" casing with 3" casing to 55' deep. Removed 3" casing and advanced 4" casing to refusal at 54' deep. 6) Core run C2 was stopped after 18" of penetration due to loss of water / core blockage. Driller to continue to end of intended run (63.5') with roller bit.							
95 - 100		Top of Bedrock @ 55.0 ft							

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GEODESIGN BORING LOG: 750-09-6 BRATTLEBORO BR 9 SEISMIC VTRANS FORMAT.GPJ - VERMONT AOT.GDT 12/2/13

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