



STATE OF VERMONT
 AGENCY OF TRANSPORTATION
 CONSTRUCTION AND
 MATERIALS BUREAU
 CENTRAL LABORATORY

BORING LOG

Fairlee
 STP SCR(15)
 VT 244 Br. #11

Boring No.: **B-103**
 Page No.: 1 of 1
 Pin No.: 16d012
 Checked By: MLM

Boring Crew: Nieto, Judkins, Emerson
 Date Started: 7/18/16 Date Finished: 7/18/16
 VTSPG NAD83: N 503752.04 ft E 1724564.58 ft
 Station: 122+07 Offset: -14.80
 Ground Elevation: 500.1 ft

Casing Sampler
 Type: WB SS
 I.D.: 4 in 1.5 in
 Hammer Wt: N.A. 140 lb.
 Hammer Fall: N.A. 30 in.
 Hammer/Rod Type: Auto/AWJ
 Rig: CME 45C SKID C_r = 1.42

Groundwater Observations		
Date	Depth (ft)	Notes
07/18/16	6.0	W.T. after drilling

Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Core Rec. % (RCD %)	Drill Rate minutes/ft	Blows/6" (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
5		A-1-b, GrSa, brn, Moist, Rec. = 1.2 ft, Lab Note: A small amount of asphalt pavement was within sample				4-6-6-7 (12)	7.1	35.9	53.6	10.5
		A-2-4, GrSa, brn, Moist, Rec. = 0.8 ft, Lab Note: A small amount of asphalt pavement was within sample				6-4-3-3 (7)	10.1	20.4	60.1	19.5
		A-2-4, SiSa, brn, Moist, Rec. = 1.3 ft, Lab Note: Pieces of wood were within sample				1-2-3-7 (5)	21.0	19.0	54.6	26.4
		A-2-4, SiGrSa, gry, Moist, Rec. = 1.2 ft, Lab Note: Pieces of wood and a small amount of asphalt pavement were within sample Field Note:, Rollercone, Cleaned out casing				1-2-5-7 (7)	24.7	29.6	49.5	20.9
10		A-3, Sa, brn, Moist, Rec. = 0.8 ft				6-2-3-2 (5)	22.0	8.3	81.6	10.1
		Visual Description:, Broken rock, Rec. = 0.2 ft				5-4-5-3 (9)	2.6			
		Field Note:, No Recovery, Appears to be sand				5-4-3-9 (7)				
15		A-1-b, GrSa, brn, Moist, Rec. = 0.5 ft				10-15-10-R@0" (25)	12.2	42.1	46.2	11.7
		19.1 ft - 24.1 ft, Gray, PHYLLITE, with few quartz veins and rare pyrite. Moderately hard, Unweathered, Good rock, NX, RMR=71	1 (70-80)	100 (100)	5					
25		24.1 ft - 29.1 ft, Gray, Pyrite bearing PHYLLITE, with quartz veins. Moderately hard, Unweathered, Good rock, NX, RMR=66	2 (75-80)	90 (96)	5					
					6					
					6					
					6					
					7					
30					8					
					7					
Hole stopped @ 29.1 ft										
Remarks: Hole collapsed at 6.1 feet.										

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 is the hammer energy correction factor.
 3. Water level readings have been made at times and under conditions stated. Fluctuations may occur due to other factors than those present at the time measurements were made.

BORING LOG Z FAIRLEE STP SCR(15) VERMONT AGENCY OF TRANSPORTATION 07/20/16