

 STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		<b>BORING LOG</b> <b>DUXBURY</b> <b>BF 013-4(47)</b> <b>VT 100 Br. #193</b>		Boring No.: <b>B-104A</b> Page No.: 1 of 1 Pin No.: 16b001 Checked By: <u>MLM</u>				
Boring Crew: <u>JUDKINS, NIETO</u> Date Started: <u>4/20/16</u> Date Finished: <u>4/20/16</u> VTSPG NAD83: <u>N 664037.55 ft E 1572950.75 ft</u> Station: <u>20+75.0</u> Offset: <u>11.30</u> Ground Elevation: <u>510.5 ft</u>		Casing Type: <u>WB</u> Sampler: <u>SS</u> I.D.: <u>4 in</u> <u>1.5 in</u> Hammer Wt: <u>N.A.</u> <u>140 lb.</u> Hammer Fall: <u>N.A.</u> <u>30 in.</u> Hammer/Rod Type: <u>Auto/AWJ</u> Rig: <u>CME 55 TRACK</u> <u>C<sub>s</sub> = 1.41</u>		Groundwater Observations Date Depth Notes (ft) (ft)				
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Blow# (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0		Asphalt pavement, 0.0 ft - 0.93 ft						
8.9		8.9 ft - 13.0 ft, Gray, CONCRETE, 4.1 feet recovered, NX	1					
13.0		Hole stopped @ 13.0 ft						
15.0		Remarks: 1.) Advanced casing to 9.0 feet. 2.) Cored concrete and broke through at 13.0 feet.						
17.5								
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.								

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Boring Crew: <u>JUDKINS, NIETO</u> Date Started: <u>4/20/16</u> Date Finished: <u>4/21/16</u> VTSPG NAD83: <u>N 664039.17 ft E 1572946.47 ft</u> Station: <u>20+71.4</u> Offset: <u>8.50</u> Ground Elevation: <u>510.6 ft</u>		Casing Type: <u>WB</u> Sampler: <u>SS</u> I.D.: <u>4 in</u> <u>1.5 in</u> Hammer Wt: <u>N.A.</u> <u>140 lb.</u> Hammer Fall: <u>N.A.</u> <u>30 in.</u> Hammer/Rod Type: <u>Auto/AWJ</u> Rig: <u>CME 55 TRACK</u> <u>C<sub>s</sub> = 1.41</u>		Groundwater Observations Date Depth Notes (ft) (ft)				
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Blow# (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0		Asphalt pavement, 0.0 ft - 0.95 ft						
20.0		A-1-b, SiSaGr, gry, Moist, Rec. = 1.2 ft, Lab Note: A lot of broken and weathered rock was within sample.						
20.5		Field Note: NXDC, Cleaned out casing						
22.5		A-1-b, SiGrSa, gry, Moist, Rec. = 0.4 ft, Lab Note: A lot of broken and weathered rock was within sample.	1	94 (78-80)				
22.5		22.5 ft - 27.5 ft, Dark gray to black, Vuggy pyrite bearing graphitic PHYLLITE, with siliceous laminae. Rust staining and minor calcification along joints. Calcification noted in vugs. Seamvoid noted at 23.7 feet to 24.05 feet. Hard, Slightly weathered, Poor rock, NX, RMR=27						
27.5		27.5 ft - 32.5 ft, Dark gray to black, Vuggy pyrite bearing graphitic PHYLLITE, with siliceous laminae. Rust staining and brown staining along joints. Calcification noted in vugs. Hard, Slightly weathered, Poor rock, NX, RMR=36	2	94 (75-80)				
32.5		Hole stopped @ 32.5 ft						
35.0		Remarks: Top of Bedrock at 22.5 feet. Hole collapsed at 18.9 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.								

BOTTOM OF ABUT NO 2  
FOOTING EL 486.00

 STATE OF VERMONT AGENCY OF TRANSPORTATION CONSTRUCTION AND MATERIALS BUREAU CENTRAL LABORATORY		<b>BORING LOG</b> <b>DUXBURY</b> <b>BF 013-4(47)</b> <b>VT 100 Br. #193</b>		Boring No.: <b>B-104C</b> Page No.: 1 of 1 Pin No.: 16b001 Checked By: <u>MLM</u>				
Boring Crew: <u>JUDKINS, NIETO</u> Date Started: <u>4/21/16</u> Date Finished: <u>4/21/16</u> VTSPG NAD83: <u>N 664037.91 ft E 1572951.27 ft</u> Station: <u>20+75.7</u> Offset: <u>11.10</u> Ground Elevation: <u>510.5 ft</u>		Casing Type: <u>WB</u> Sampler: <u>SS</u> I.D.: <u>4 in</u> <u>1.5 in</u> Hammer Wt: <u>N.A.</u> <u>140 lb.</u> Hammer Fall: <u>N.A.</u> <u>30 in.</u> Hammer/Rod Type: <u>Auto/AWJ</u> Rig: <u>CME 55 TRACK</u> <u>C<sub>s</sub> = 1.41</u>		Groundwater Observations Date Depth Notes (ft) (ft)				
Depth (ft)	Strata (1)	CLASSIFICATION OF MATERIALS (Description)	Run (Dip deg.)	Blow# (N Value)	Moisture Content %	Gravel %	Sand %	Fines %
0.0		Asphalt pavement, 0.0 ft - 0.95 ft						
10.0		Field Note: NXDC, cobbles and stones with pieces of concrete						
12.5		Field Note: NXDC, cobbles and stones with pieces of concrete						
13.5		Hole stopped @ 13.5 ft						
15.0		Remarks: Hole collapsed at 8.6 feet.						
17.5		1.) Advanced casing to 11.0 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.								

PROJECT NAME: DUXBURY  
 PROJECT NUMBER: BF 013-4(47)  
 FILE NAME: z16b00blog4.dgn  
 PROJECT LEADER: J. OLUND  
 DESIGNED BY: VTRANS  
 BORING LOGS 4  
 PLOT DATE: 5/23/2016  
 DRAWN BY: S. MORGAN  
 CHECKED BY: J. OLUND  
 SHEET 40 OF 69

