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

BORING NUMBER: PL-PB-03
SHEET 1 of 1
DATE STARTED: 10/14/14
DATE COMPLETED: 10/14/14

PROJECT NAME: Plymouth STP-ER 0149(6)
SITE NAME: Route 100A Plymouth Notch
STATION: 8+98
OFFSET: 7 LT
VTSPG: N 375648.55 ft E 1577928.26 ft

PROJECT NUMBER: GAI 1401244
SITE NUMBER: -
GROUND ELEVATION: 1277.0 ft
GROUNDWATER DEPTH: Dry 10/14/14
PROJECT PIN NUMBER:

BORING CREW: Great Works Test Borings Inc.
DRILLER: J. Lee
LOGGER: NSC
BORING RIG: Mobile B-53 Track Mounted

BORING TYPE: AUGER
SAMPLE TYPE: SPLIT BARREL
HAMMER TYPE: ROPE & CATHEAD
CHECKED BY: JDL

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 6 IN (N VALUE)	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)
		0.0 ft - 1.0 ft, Advanced auger through asphalt					
2.5		S1: 1.0 ft - 3.0 ft, A-1-b, Medium brown, moist, medium dense, fine to coarse SAND, some gravel, some silt, (SM), SS, Rec. = 1.2 ft	10-7-7-9 (14)	5.7	37.0	46.0	17.0
5.0		S2: 3.0 ft - 5.0 ft, A-1-b, Medium brown, moist, medium dense, fine to coarse SAND, some silt, little gravel, (SM), SS, Rec. = 1.1 ft	14-11-14-15 (25)				
7.5							
		Hole stopped @ 9.0 ft			Top of Bedrock @ 9.0 ft		
10.0							
12.5							
15.0							
17.5							
20.0							
22.5							

Notes:
- Boring terminated on refusal of auger on interpreted bedrock.
- Backfilled with cuttings and cold patch asphalt upon completion.
- No groundwater encountered during drilling.

LOG OF BORING & WELL - 141030 PLYMOUTH NOTCH.GPJ VT AOT.GDT 2/5/15

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

BORING NUMBER: PL-PB-04
SHEET 1 of 2
DATE STARTED: 10/14/14
DATE COMPLETED: 10/14/14

PROJECT NAME: Plymouth STP-ER 0149(6)
SITE NAME: Route 100A Plymouth Notch
STATION: 11+67
OFFSET: 7 RT
VTSPG: N 375699.03 ft E 1578190.07 ft

PROJECT NUMBER: GAI 1401244
SITE NUMBER: -
GROUND ELEVATION: 1306.5 ft
GROUNDWATER DEPTH: Dry 10/14/14
PROJECT PIN NUMBER:

BORING CREW: Great Works Test Borings Inc.
DRILLER: J. Lee
LOGGER: NSC
BORING RIG: Mobile B-53 Track Mounted

BORING TYPE: AUGER
SAMPLE TYPE: SPLIT BARREL
HAMMER TYPE: ROPE & CATHEAD
CHECKED BY: JDL

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 6 IN (N VALUE)	M.C. (%)	AASHTO GRAVEL (%)	AASHTO SAND (%)	AASHTO FINES (%)	RUN	REC (%)	RQD (%)	Drill Rate (min/ft)	UCS (psi)
		0.0 ft - 1.25 ft, Advanced auger through asphalt										
2.5		S1: 1.25 ft - 3.6 ft, A-2-4, Medium brown, moist, medium dense, fine to coarse SAND, some gravel , some silt, (SM), SS, Rec. = 0.7 ft	15-50/0.4' (R)									
5.0		S2: 3.5 ft - 5.6 ft, A-2-4, Medium brown, moist, medium dense, silty fine to coarse SAND, some gravel, (SM), SS, Rec. = 1.2 ft	12-12-18-20 (30)	0.9	30.0	44.0	26.0					
7.5												
10.0		S3: 9.0 ft - 9.2 ft, A-2-4, Medium brown, moist, medium dense, silty fine to medium SAND, little gravel, (SM), SS, Rec. = 1.3 ft	11-13-8-9 (21)									
12.5		12.0 ft - 15.0 ft, Weathered bedrock based on auger cuttings.				Top of Bedrock @ 12.0 ft						
15.0		R1: 15.0 ft - 20.0 ft, NX, Rec. = 0.2 ft, Probable boulders	R1	4	0						1 1 0.75 1.7 2	
17.5												

LOG OF BORING & WELL - 141030 PLYMOUTH NOTCH.GPJ VT AOT.GDT 2/5/15

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

BORING NUMBER: PL-PB-04
SHEET 2 of 2
DATE STARTED: 10/14/14
DATE COMPLETED: 10/14/14

PROJECT NAME: Plymouth STP-ER 0149(6)
SITE NAME: Route 100A Plymouth Notch
STATION: 11+67
OFFSET: 7 RT
VTSPG: N 375699.03 ft E 1578190.07 ft

PROJECT NUMBER: GAI 1401244
SITE NUMBER: -
GROUND ELEVATION: 1306.5 ft
GROUNDWATER DEPTH: Dry 10/14/14
PROJECT PIN NUMBER:

BORING CREW: Great Works Test Borings Inc.
DRILLER: J. Lee
LOGGER: NSC
BORING RIG: Mobile B-53 Track Mounted

BORING TYPE: AUGER
SAMPLE TYPE: SPLIT BARREL
HAMMER TYPE: ROPE & CATHEAD
CHECKED BY: JDL

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	RUN	REC (%)	RQD (%)	Drill Rate (min/ft)	UCS (psi)
22.5		R2: 20.0 ft - 25.0 ft, NX, Rec. = 0.4 ft, Probable boulders	R2	8	0	1 1 1.1 2.4 2	
25.0		Hole stopped @ 25.0 ft					
27.5							
30.0							
32.5							
35.0							
37.5							

Notes:
- Backfilled with filter sand, cuttings and cold patch asphalt upon completion.
- No groundwater encountered during drilling.

LOG OF BORING & WELL - 141030 PLYMOUTH NOTCH.GPJ VT AOT.GDT 2/5/15

PROJECT NAME: PLYMOUTH
PROJECT NUMBER: ER 0149(6)

FILE NAME: zl3c3l8bor2.dgn
PROJECT LEADER: J. SANTACRUCE
DESIGNED BY: J. SANTACRUCE
BORING LOG SHEET 2

PLOT DATE: 5/17/2016
DRAWN BY: M. LOVETT
CHECKED BY: B. COLBURN
SHEET 9 OF 68