



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

BORING NUMBER: B101
 SHEET 1 of 1
 DATE STARTED: 11/15/05
 DATE COMPLETED: 11/16/05

PROJECT NAME: ST. JOHNSBURY
 SITE NAME: RT.2
 STATION: 0+56
 OFFSET: 15.50
 VTSPG: N 704437.91 ft E 1781518.16 ft

PROJECT NUMBER: DIST. #7
 SITE NUMBER: RETAINING WALL
 GROUND ELEVATION: 744.69 ft
 GROUNDWATER DEPTH: 1.8 ft 11/16/05
 PROJECT PIN NUMBER: 06X507

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: RUSSELL

BORING RIG: LAG TRACK RIG w/AUTO HAMMER
 BORING TYPE: WASH BORE
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)	LL (%)	PI (%)
0		Visual Class., GrSiSa with Asphalt, Dk/brn, Moist, Rec. = 0.25 ft	5	7.9					
0.25		Field Note: No Rec., Stone in end of sampler	17						
5		Field Note: No Rec., Appears to be gray sand	13						
5		Visual Class., SaSi with broken rock pieces, gry, Moist, Rec. = 0.3 ft	25	7.7					
10		A-4, SaSi (HP) with broken rock pieces, gry, Moist, Rec. = 2.0 ft	44	12.7	15.4	27.4	57.2		
10		A-4, GrSaSi (HP) with broken rock pieces, gry, Moist, Rec. = 1.8 ft	81	11.6	21.1	28.7	50.2		
10		A-4, GrSaSi (HP) with broken rock pieces, gry, Moist, Rec. = 1.4 ft	104	9.9	27.4	30.9	41.7		
15		A-4, SaSi (HP), gry, Moist, Rec. = 2.0 ft	102	10.9	19.9	30.0	50.1		
15		A-4, GrSaSi (HP), gry, Moist, Rec. = 1.5 ft	105	10.8	23.3	32.9	43.8		
20		A-4, GrSaSi (HP), gry, Moist, Rec. = 1.7 ft	95	10.4	23.3	32.5	44.2		
20		A-4, SaGrSi (HP), gry, Moist, Rec. = 2.0 ft	104	10.0	31.1	30.5	38.4		
25		A-4, Si, gry, Moist, Rec. = 2.0 ft	74	21.4	2.4	18.8	78.8		
30		A-4, SaSi, gry, Moist, Rec. = 2.0 ft	49	25.0	0.0	25.4	74.6		
35		Cleaned out casing, 34.0 ft - 35.0 ft							
35		A-4, Si, gry, Moist, Rec. = 1.9 ft, Sample was tested for Limits	58	25.9	0.0	2.2	97.8		
40		A-4, Si, gry, Moist, Rec. = 2.0 ft	33	30.3	0.0	1.7	98.3	31	3
42		Hole stopped @ 42.0 ft							

LOG OF BORING - ST. JOHNSBURY DIST. WALL GPJ - VT AOT.GDT 8/7/06



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BORING NUMBER: B102
SHEET 1 of 1
DATE STARTED: 11/27/05
DATE COMPLETED: 12/05/05

PROJECT NAME: ST. JOHNSBURY
SITE NAME: RT.2
STATION: 1+36.5
OFFSET: 49.50
VTSPG: N 704400.33 ft E 1781593.04 ft

PROJECT NUMBER: DIST. #7
SITE NUMBER: RETAINING WALL
GROUND ELEVATION: 766.12 ft
GROUNDWATER DEPTH: Hole caved in @ 12.0'
PROJECT PIN NUMBER: 06X507

BORING CREW
CREW CHIEF: GARROW
DRILLER: GARROW
LOGGER: RUSSELL

BORING RIG: LAG TRACK RIG w/AUTO HAMMER
BORING TYPE: WASH BORE
SAMPLE TYPE: SPLIT BARREL
CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		A-4, SaSi (HP), gry, Moist, Rec. = 1.8 ft	22	16.6	6.2	30.3	63.5
10		8.5 ft - 9.5 ft, Cored ahead					
		A-1-b, SiSaGr (HP), gry, Moist, Rec. = 0.9 ft	R	7.7	46.2	31.0	22.8
		A-4, SaGrSi (HP), gry, Moist, Rec. = 1.1 ft	51	12.6	29.6	23.5	46.9
20		A-4, SaGrSi (HP), gry, Moist, Rec. = 1.6 ft	R	10.6	28.2	27.7	44.1
		A-4, SaGrSi (HP), gry, Moist, Rec. = 1.0 ft	R	10.5	29.6	29.0	41.4
30		A-4, GrSaSi (HP), gry, Moist, Rec. = 1.5 ft	R	9.6	27.6	28.1	44.3
		A-4, SaGrSi (HP), gry, Moist, Rec. = 0.8 ft	R	10.3	34.8	25.5	39.7
40		A-4, SaSi (HP), gry, Moist, Rec. = 1.2 ft	R	12.8	19.4	28.5	52.1
		A-4, GrSaSi (HP), gry, Moist, Rec. = 1.2 ft	R	11.0	22.0	32.8	45.2
50		A-4, SaGrSi (HP), gry, Moist, Rec. = 0.9 ft	R	10.5	31.1	29.0	39.9
		A-4, SaSi, gry, Moist, Rec. = 1.5 ft	93	20.1	3.9	36.7	59.4
60		58.0 ft, Pulled casing and replaced bit.					
		Field Note:, No recovery	R				
		Field Note:, Did not sample.					
70		Field Note:, Rock pieces in end of sampler. No recovery.					
		Field Note:, Advanced to 73.0' with Roller Cone.	R				
		Hole stopped @ 73.0 ft					
80		DRILLER'S NOTES: 1. No ground water elevation. Hole caved in @ 12.0' 2. Hole stopped at 73.0 ft. in possible bedrock.					

LOG OF BORING ST. JOHNSBURY DIST7 WALL GPJ VT AOT.GAT 8/7/06



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BORING NUMBER: B104
 SHEET 1 of 1
 DATE STARTED: 11/18/05
 DATE COMPLETED: 11/22/05

PROJECT NAME: ST. JOHNSBURY
 SITE NAME: RT.2
 STATION: 2+57
 OFFSET: 37.80
 VTSPG: N 704395.01 ft E 1781712.55 ft

PROJECT NUMBER: DIST. #7
 SITE NUMBER: RETAINING WALL
 GROUND ELEVATION: 747.22 ft
 GROUNDWATER DEPTH: 7.7 ft 11/22/05
 PROJECT PIN NUMBER: 06X507

BORING CREW
 CREW CHIEF: GARROW
 DRILLER: GARROW
 LOGGER: RUSSELL

BORING RIG: LAG TRACK RIG w/AUTO HAMMER
 BORING TYPE: WASH BORE
 SAMPLE TYPE: SPLIT BARREL
 CHECKED BY: CAA

DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
		No Recovery, 0.0 ft - 2.0 ft	2				
5		A-4, GrSaSi (HP), gry, Moist, Rec. = 1.8 ft	92	9.9	25.7	29.4	44.9
10		A-4, GrSaSi (HP), gry, Moist, Rec. = 1.8 ft	80	10.0	20.9	30.4	48.7
15		A-4, GrSaSi (HP), gry, Moist, Rec. = 1.6 ft	108	11.0	24.6	29.3	46.1
20		A-4, GrSaSi (HP), gry, Moist, Rec. = 2.0 ft	86	11.4	25.4	27.0	47.6
25		A-4, GrSaSi (HP), gry, Moist, Rec. = 1.9 ft	R	11.3	22.0	32.3	45.7
30		A-4, GrSaSi (HP), gry, Moist, Rec. = 0.8 ft	92/0.3'	11.2	24.0	34.8	41.2
35		A-2-4, SiSaGr (HP), gry, Moist, Rec. = 1.1 ft	R	10.7	35.7	32.7	31.6
40		A-1-b, SiSaGr (HP), gry, Moist, Rec. = 0.5 ft	R	13.9	37.6	37.5	24.9
		Hole stopped @ 41.7 ft					
45							

LOG OF BORING - ST. JOHNSBURY DIST. WALL GPJ - VT AOT.GDT 8/7/06