

ML 379+66 RT 25'

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-1 SHEET 1 of 1 DATE STARTED: 10/13/05 DATE COMPLETED: 10/25/05					
PROJECT NAME: ST. JOHNSBURY SITE NAME: US 2 STATION: 379+55(OUT DATED STA.) OFFSET: 26.00 AND OFFSET) VTSPG: N 704940.56 ft E 1783812.49 ft		PROJECT NUMBER: BHF 028-4(25)S SITE NUMBER: BR 108 GROUND ELEVATION: 749.94 ft GROUNDWATER DEPTH: 7.4 ft 10/25/05 PROJECT PIN NUMBER: 98B320					
BORING CREW CREW CHIEF: GARROW DRILLER: GARROW LOGGER: RUSSELL		BORING RIG: LARGE SKID RIG w/AUTO HAMMER BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL CHECKED BY: DLG					
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	ROD (%)	Dip (deg)	Drill Rate (min/ft)
0	XXXX	Fill material used for building drill rig foundation., brn, Moist, Rec. = 0.9 ft, 0.0 ft - 2.0 ft	4				
0	XXXX	Field Class, Fill material used for building drill rig foundation., brn, Moist, Rec. = 1.0 ft	3				
0	XXXX	Field Class, Boulder, No sample	12				
0	XXXX	Visual Class, A-2-4, Gr Sa, brn, Moist, Rec. = 0.2 ft, Insufficient sample for testing	15	17.0	27.3	48.0	24.7
0	XXXX	A-2-4, SiGrSa, brn, Moist, Rec. = 1.2 ft	R	14.4	22.7	57.9	19.4
0	XXXX	A-2-4, GrSa, gry, Moist, Rec. = 0.6 ft					
0	XXXX	Field Class, Boulders and Cobbles					
0	XXXX	A-1-b, SaGr, gry, Moist, Rec. = 0.8 ft, Broken rock was within sample	R	10.4	48.6	37.6	13.8
0	XXXX	A-1-b, SiSaGr, gry, Moist, Rec. = 1.1 ft, Broken rock was within sample	R	9.2	46.4	33.2	20.4
0	XXXX	A-1-b, SaGr, gry, Moist, Rec. = 1.4 ft, Broken rock was within sample	R	9.6	49.7	32.4	17.9
0	XXXX	A-1-b, GrSa, gry, Moist, Rec. = 0.5 ft, Broken rock was within sample	R	10.3	39.7	42.9	17.4
0	XXXX	A-2-4, SiSaGr, gry, Moist, Rec. = 1.4 ft, Broken rock was within sample	R	12.0	43.8	30.4	25.8
0	XXXX	A-4, GrSaSi, gry, Moist, Rec. = 1.6 ft, Broken rock was within sample	84	11.4	32.5	27.7	39.8
0	XXXX	A-4, GrSaSi, gry, Moist, Rec. = 1.9 ft, Broken rock was within sample	55	11.7	22.5	30.0	47.5
0	XXXX	A-4, GrSaSi, gry, Moist, Rec. = 1.9 ft, Broken rock was within sample	59	11.2	25.0	29.8	45.2
0	XXXX	No Recovery, 32.0 ft - 34.0 ft	R				
0	XXXX	A-4, SaGrSi, gry, Moist, Rec. = 1.7 ft, Broken rock was within sample	R	10.5	31.4	30.2	38.4
0	XXXX	A-4, SaSi, gry, Moist, Rec. = 1.5 ft	R	14.4	17.4	36.8	45.8
0	XXXX	A-2-4, GrSiSa, gry, Moist, Rec. = 1.3 ft	R	13.8	29.2	36.3	34.5
0	XXXX	Field Class, Boulders, No recovery, Cored ahead					
0	XXXX	Field Class, Boulders and Cobbles, No recovery, Cored ahead					
0	XXXX	Field Class, Boulders and Cobbles, No recovery, Cored ahead					
0	XXXX	Visual Class, Possible saprolite material (weathered rock & silt), gry, Moist	R				
0	XXXX	Top of Bedrock @ 60.0 ft					
0	XXXX	Gray, Phyllite, Numerous stained joint surfaces, Poor competency, Moderately hard, Moderately weathered, BXMDC, 60.0 ft - 61.0 ft, Rec. = 1.0 ft	1	100	0	80	12
0	XXXX	Gray, Phyllite, Poor competency, Moderately hard, Moderately to severely weathered, BXMDC, 61.0 ft - 66.0 ft, Rec. = 2.7 ft	2	54	0	80	13
0	XXXX	Gray, Phyllite, Poor competency, Core barrel plugged, Moderately hard, Slightly weathered, BXMDC, 66.0 ft - 69.7 ft, Rec. = 3.5 ft	3	95	0	80	27
0	XXXX	Hole stopped @ 69.7 ft					11
0	XXXX						10
0	XXXX						8
0	XXXX						18
0	XXXX						10

ABUT. 1 BTM.  
ELEV. 744.00

EST. 54'

EST. PILE TIP  
ELEV. 690.00

LOG OF BORING ST. JOHNSBURY BHF028-4(25)S(BP1) VT AUT.GDT 5/13/09

ML 380+57 LT 34'

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH SECTION SUBSURFACE INFORMATION		BORING NUMBER: B-2 SHEET 1 of 1 DATE STARTED: 10/24/05 DATE COMPLETED: 11/02/05					
PROJECT NAME: ST. JOHNSBURY SITE NAME: US 2 STATION: 380+45(OUT DATED STA.) OFFSET: -33.00 AND OFFSET) VTSPG: N 705043.16 ft E 1783845.92 ft		PROJECT NUMBER: BHF 028-4(25)S SITE NUMBER: BR 108 GROUND ELEVATION: 744.19 ft GROUNDWATER DEPTH: 0.0 ft 11/03/05 PROJECT PIN NUMBER: 98B320					
BORING CREW CREW CHIEF: TALLMAN DRILLER: TALLMAN LOGGER: PORTER		BORING RIG: LAG TRACK RIG w/AUTO HAMMER BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL CHECKED BY: DLG					
DEPTH (ft)	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER FOOT	M.C. (%)	GRAVEL (%)	SAND (%)	FINES (%)
			RUN	REC (%)	ROD (%)	Dip (deg)	Drill Rate (min/ft)
0	XXXX	Field Class, Granite Blocks, Cleaned out casing					
0	XXXX	Field Class, Boulders & Cobbles, Cleaned out casing					
0	XXXX	Visual Class, A-2-4, Si Sa Gr, gry, Wet, Rec. = 0.3 ft, Insufficient sample for testing.	20				
0	XXXX	A-4, SaGrSi, gry, Moist, Rec. = 1.4 ft	85	10.8	32.5	27.2	40.3
0	XXXX	A-4, GrSaSi, gry, Moist, Rec. = 1.9 ft	66	11.0	23.4	30.0	46.6
0	XXXX	A-4, GrSaSi, gry, Moist, Rec. = 1.9 ft	89	11.2	20.9	32.3	46.8
0	XXXX	A-4, GrSaSi, gry, Moist, Rec. = 0.5 ft	R	11.7	21.5	33.5	45.0
0	XXXX	A-4, GrSaSi, gry, Moist, Rec. = 0.7 ft	R	11.8	30.4	32.8	36.8
0	XXXX	A-4, GrSaSi, gry, Moist, Rec. = 0.5 ft	R	11.8	32.4	32.4	35.2
0	XXXX	Field Class, Cored ahead, No sample, Broke thru, Possible saprolite material (weathered rock & silt)	R				
0	XXXX	Visual Class, Possible saprolite material, gry, Moist, Rec. = 1.0 ft	R	100	0	50	8
0	XXXX	Gray, Phyllite, Poor competency, Moderately hard, Moderately weathered, BXMDC, 51.0 ft - 54.0 ft, Rec. = 3.0 ft	2	90	0	50	7
0	XXXX	Gray, Phyllite, Poor competency, Moderately hard, Moderately weathered, BXMDC, 54.0 ft - 55.0 ft, Rec. = 0.9 ft	3	90	52	50	7
0	XXXX	Gray, Phyllite, Competent, Moderately hard, Slightly weathered, BXMDC, 55.0 ft - 60.0 ft, Rec. = 4.5 ft					7
0	XXXX	Gray, Phyllite, Competent, Moderately hard, Slightly weathered, BXMDC, 60.0 ft - 61.0 ft, Rec. = 1.0 ft	4	100	90	50	8
0	XXXX	Hole stopped @ 61.0 ft					7
0	XXXX						8
0	XXXX						7
0	XXXX						8
0	XXXX						7
0	XXXX						8
0	XXXX						8

ABUT. 2 BTM.  
ELEV. 746.00

EST. 53'

EST. PILE TIP  
ELEV. 693.00

LOG OF BORING ST. JOHNSBURY BHF028-4(25)S(BP1) VT AUT.GDT 5/13/09

PROJECT NAME: ST. JOHNSBURY  
PROJECT NUMBER: BRF 028-4(25)S

FILE NAME: s98b320bor.dgn  
PROJECT LEADER: C. CARLSON  
DESIGNED BY: H. SALLS  
BORING LOGS

PLOT DATE: 28-AUG-2012  
DRAWN BY: C. MOONEY  
CHECKED BY: C. CARLSON  
SHEET 21 OF 62