

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-1 SHEET 1 OF 1 DATE STARTED: 9/20/99 DATE COMPLETED: 9/23/99							
PROJECT NAME: DUXBURY SITE NAME: BR 187 STATION: 0+244.00 GROUND EL.: 217.101		PROJECT NUMBER: STP 013-4 (24) SITE NO.: VT 100 OFFSET: -5.50 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: TALLMAN LOGGER: YOUNG ADDITIONAL CREW:		BORING RIG: SKID RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-2-4, SiGrSa, brn, MTW, Rec. = 0.09m	19	22.6	25.5	51.2	23.3		
		BXDC, 1.80m-3.60m, Boulders, No sample							
		A-4, GrSiSa, gry, Moist, Rec. = 0.15m	10	17.5	21.7	40.8	37.5		
5		A-4, SiSa, gry, Moist, Rec. = 0.30m	7	15.5	15.2	48.5	36.3		
		A-2-4, SiSa, gry, Moist, Rec. = 0.44m	17	15.3	19.8	46.4	33.8		
		A-2-4, SiSaGr HP, gry, Moist, Rec. = 0.38m	R	10.1	37.8	32.8	29.4		
		A-2-4, GrSiSa HP, gry, Moist, Rec. = 0.42m	R	11.3	26.9	38.9	34.2		
		BXDC, 8.43m-9.00m, Boulder, Rec. = 0.45m							
		A-1-b, SiSaGr HP, gry, Moist, Rec. = 0.30m	R	10.4	40.5	34.7	24.8		
10		A-4, GrSiSa HP, gry, Dry, Rec. = 0.49m	R	8.8	21	42.9	36.1		
		A-1-b, SiSaGr HP, gry, Moist, Rec. = 1.48m	R	10.7	44.2	30.6	25.2		
		Run #1: BXDC, 11.38m-12.90m, Rec. = 1.45m, See Geologist's Report.	RUN	RECZ	RODZ	Dip°			
			1	95	66	80			
		Run #2: BXDC, 12.90m-14.42m, Rec. = 1.48m, See Geologist's Report.	2	97	97	80			
		Hole stopped @ 14.42m							
GEOLOGISTS REPORT: Run #1: Gray graywacke, Hard Unweathered, Competent. Run #2: Same as Run #1, Competent.									

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-2 SHEET 1 OF 1 DATE STARTED: 9/28/99 DATE COMPLETED: 10/5/99							
PROJECT NAME: DUXBURY SITE NAME: BR 187 STATION: 0+242.00 GROUND EL.: 216.907		PROJECT NUMBER: STP 013-4 (24) SITE NO.: VT 100 OFFSET: 5.50 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: CHABOT LOGGER: ADDITIONAL CREW:		BORING RIG: SKID RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		Boulder, No sample							
		BXDC, 2.55m-3.00m, Rec. = 0.08m, Boulder Visual classification: A-1-a, Gr, brn, Wet, Rec. = 0.04m, Insufficient sample for testing.	10						
5		A-4, SaGrSi, gry, MTW, Rec. = 0.37m	8	32.9	27.9	26.8	45.3		
		A-1-b, SaGr, gry, Moist, Rec. = 0.33m	17	12.9	4.6	38.9	14.5		
		A-2-4, GrSiSa HP, gry, Moist, Rec. = 0.43m	R	10.2	30	39.3	30.7		
		A-4, GrSaSi HP, gry, Moist, Rec. = 0.48m	57	13.7	29	30.9	40.1		
10		Top of bedrock @ 10.4m							
		Run #1: BXDC, 10.40m-11.35m, Rec. = 0.96m, See Geologist's Report.	RUN	RECZ	RODZ	Dip°			
			1	100	68	80			
		Run #2: BXDC, 11.35m-12.87m, Rec. = 1.43m, See Geologist's Report.	2	94	90	80			
		Run #3: BXDC, 12.87m-13.45m, Rec. = 0.60m, See Geologist's Report.	3	100	100	80			
		Hole stopped @ 13.45m							
GEOLOGISTS REPORT: Run #1: Dark gray to black phyllite, Tightly folded, Moderately hard, Unweathered, Competent. Run #2: Same as Run #1, Competent. Run #3: Same as Run #1, Competent.									

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-3 SHEET 1 OF 1 DATE STARTED: 10/7/99 DATE COMPLETED: 10/12/99							
PROJECT NAME: DUXBURY SITE NAME: BR 187 STATION: 0+260.00 GROUND EL.: 217.760		PROJECT NUMBER: STP 013-4 (24) SITE NO.: VT 100 OFFSET: -5.50 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: HOLT LOGGER: ADDITIONAL CREW:		BORING RIG: SKID RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		No Rec., Advanced casing through gravelly material and boulders.	R						
		A-1-a, SaGr, brn, Moist, Rec. = 0.23m	10	11.6	53.2	40	6.8		
5		BXDC, 4.44m-4.70m, Boulder A-1-b, SiSaGr HP, gry, Moist, Rec. = 0.18m	46	11.3	47.1	32.1	20.8		
		A-1-b, SaGr HP, gry, Dry, Rec. = 0.27m	R	8.6	45.8	35.6	18.6		
		A-1-b, SaGr HP, gry, Dry, Rec. = 0.14m	80	8.9	56	25.9	18.1		
		A-4, SaSi HP, gry, Moist, Rec. = 0.47m	46	15.2	9.4	37.3	53.3		
10		A-4, SaSi HP, gry, Moist, Rec. = 0.44m	48	15.2	5	33.2	61.8		
		Top of bedrock @ 12.06m							
		No Rec.	RUN	RECZ	RODZ	Dip°			
		Run #1: BXDC, 12.06m-13.56m, Rec. = 1.45m, See Geologist's Report.	1	97	87	80			
		Run #2: BXDC, 13.56m-15.06m, Rec. = 1.55m, See Geologist's Report.	2	100	100	80			
15.06		Hole stopped @ 15.06m							
GEOLOGISTS REPORT: Run #1: Dark gray to black phyllite, Tightly folded, Moderately hard, Unweathered, Competent. Run #2: Same as Run #1, Competent.									

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-4 SHEET 1 OF 1 DATE STARTED: 10/22/99 DATE COMPLETED: 10/26/99							
PROJECT NAME: DUXBURY SITE NAME: BR 187 STATION: 0+258.00 GROUND EL.: 218.031		PROJECT NUMBER: STP 013-4 (24) SITE NO.: VT 100 OFFSET: 5.50 G.W. DEPTH:							
BORING CREW CREW CHIEF: MCGLYNN DRILLER: CHABOT LOGGER: HOLT ADDITIONAL CREW:		BORING RIG: SKID RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS (Description)	BLOWS PER 0.3 m	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		No Rec.	15						
		A-1-a, SaGr, brn, Dry, Rec. = 0.27m	52	5.6	63.9	28.6	7.5		
5		A-1-a, SaGr, brn, Moist, Rec. = 0.45m	13	10.5	56.9	35.1	8		
		A-2-4, GrSiSa, gry, Moist, Rec. = 0.48m	10	14.2	26	42.9	31.1		
		A-4, SaSi HP, gry, Moist, Rec. = 0.48m	72	13.6	18.9	39.8	41.3		
		A-2-4, GrSiSa HP, gry, Moist, Rec. = 0.41m	84	11.1	29.6	35.8	34.6		
10		A-4, GrSaSi HP, gry, Moist, Rec. = 0.23m	R	14.7	23.4	26.9	49.7		
		Top of bedrock @ 12.14m							
		Run #1: 12.14m-13.35m, BXDC, Rec. = 1.10m, See Geologist's Report.	RUN	RECZ	RODZ	Dip°			
			1	91	70	80			
		Run #2: 13.35m-14.89m, BXDC, Rec. = 1.50m, See Geologist's Report.	2	97	90	80			
		Hole stopped @ 14.89m							
GEOLOGISTS REPORT: Run #1: Gray graywacke, Hard, Unweathered, Competent. Run #2: Same as Run #1, Competent.									

BORING LOGS

PROJECT NAME: DUXBURY	PROJECT NUMBER: STP 013-4(24)
FILE NAME: /str5/86e059/se059bor.dgn	PLOT DATE: 20-OCT-2005
PROJECT LEADER: C. KELLER	DRAWN BY: J. TOUCHETTE
DESIGNED BY: B. NYQUIST	CHECKED BY: T. SUMNER
se059br2.i	SHEET 17 OF 62

