

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-3 SHEET 1 OF 1 DATE STARTED: 6/6/02 DATE COMPLETED: 6/6/02							
PROJECT NAME: WATERFORD SITE NAME: OVERHEAD SIGNS STATION: MM 10.470 NORTHBOUND GROUND EL.:		PROJECT NUMBER: HES 093-1101 SITE NO.: I-93 OFFSET: RIGHT SIDE G.W. DEPTH:							
BORING CREW CREW CHIEF: YOUNG DRILLER: YOUNG LOGGER: SOMERS		BORING RIG: TRACK RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS <i>(Description)</i>	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-2-4, GrSiSa, brn, Moist, Rec. = 1.75'	6	11.5	20.8	48.5	30.7		
		Grass & Roots were within sample.							
		A-4, SiSa, brn, Moist, Rec. = 1.25'	13	14.8	19.9	43.7	36.4		
5		A-2-4, SiGrSa, brn, Moist, Rec. = 1.0'	43	12.2	33	37.2	29.8		
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.1'	58	14.5	31.7	40.5	27.8		
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.2'	45	12.4	30.6	39.6	29.8		
10		A-2-4, GrSiSa, brn-gry, Moist, Rec. = 1.0'	25	15.3	21.6	42.9	35.5		
		Wood/Roots was within sample.							
15		A-2-4, SiSa, brn-gry, Moist, Rec. = 0.9'	29	17.5	15.1	57.1	27.8		
20		A-2-4, SaSiGr, gry, Moist, Rec. = 0.6'	47	11.8	45.1	22.6	32.3		
		Wood/Roots was within sample.							
25		A-2-4, SiGrSa, gry, Moist, Rec. = 1.3'	R	10.2	34.6	35.9	29.5		
30		29.0' - 30.0', BXDC, Cleaned out casing, Into Boulder or Ledge.							
		Hole stopped @ 30.0'							

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-4 SHEET 1 OF 1 DATE STARTED: 6/10/02 DATE COMPLETED: 6/10/02							
PROJECT NAME: WATERFORD SITE NAME: OVERHEAD SIGNS STATION: MM 10.470 NORTHBOUND GROUND EL.:		PROJECT NUMBER: HES 093-1101 SITE NO.: I-93 OFFSET: LEFT SIDE G.W. DEPTH: 12.7 (06/10/02)							
BORING CREW CREW CHIEF: YOUNG DRILLER: YOUNG LOGGER: SOMERS		BORING RIG: TRACK RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS <i>(Description)</i>	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-1-b, SaGr, brn, Moist, Rec. = 0.9'	11	9	50.1	34.8	15.1		
		A-1-b, SaGr, brn-gry, Moist, Rec. = 1.0'	23	9	43.7	37.2	19.1		
5		A-2-4, GrSiSa, brn, Moist, Rec. = 1.2'	26	13.1	21.1	44.1	34.8		
		A-2-4, SiSa, brn, Moist, Rec. = 1.0'	24	13.8	20	46	34		
		A-2-4, SiSaGr, brn, Moist, Rec. = 1.25'	29	11.6	38	34.9	27.1		
10		A-2-4, GrSiSa, brn, Moist, Rec. = 1.33'	18	16.2	21.5	44.9	33.6		
15		A-2-4, SiGrSa, brn, Moist, Rec. = 0.4'	2	18.8	34	35.3	30.7		
20		A-2-4, SiSa, brn, Moist, Rec. = 1.33'	22	16.5	11	53.8	35.2		
25		BXDC, 23.75' - 25.0', Boulder							
		A-4, SaGrSi, gry, Moist, Rec. = 1.2'	20	13.7	32.3	25.5	42.2		
30		BXDC, 29.2' - 32.0', Boulders							
		Hole stopped @ 32.0'							

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-5 SHEET 1 OF 1 DATE STARTED: 6/11/02 DATE COMPLETED: 6/11/02							
PROJECT NAME: WATERFORD SITE NAME: OVERHEAD SIGNS STATION: MM 10.970 NORTHBOUND GROUND EL.:		PROJECT NUMBER: HES 093-1101 SITE NO.: I-93 OFFSET: RIGHT SIDE G.W. DEPTH: 0.5 (06/11/02) RAINY DAY							
BORING CREW CREW CHIEF: YOUNG DRILLER: YOUNG LOGGER: SOMERS		BORING RIG: TRACK RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS <i>(Description)</i>	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-1-b, GrSa, brn, Moist, Rec. = 1.3'	13	9.5	40.1	41.7	18.2		
		Grass & Roots were within sample.							
		A-1-b, SaGr, brn, Moist, Rec. = 1.25'	43	11.3	42.3	38.1	19.6		
5		A-1-a, SaGr, brn, Moist, Rec. = 0.75'	54	10.3	60.7	27.5	11.8		
		A-1-a, Gr, brn, Moist, Rec. = 0.9'	37	9.4	75.1	15.7	9.2		
		A-1-b, SaGr, brn-gry, Moist, Rec. = 0.8'	41	10.5	52.2	29	18.8		
10		A-1-a, SaGr, gry, Moist, Rec. = 0.4'	8	61	25.5	13.5			
		Top of bedrock @ 10.4'							
		Run#1: NXGDC, 10.4' - 15.4', Rec. = 5.0', See Geologist's Report.	1	100	84	60			
15		Hole stopped @ 15.4'							
20		Geologist's Report: Run#1: Gray shale (silicious) with quartz veins, Hard, Unweathered, Competent.							

STATE OF VERMONT AGENCY OF TRANSPORTATION MATERIALS & RESEARCH DIVISION SUBSURFACE INFORMATION		HOLE NO.: B-6 SHEET 1 OF 1 DATE STARTED: 6/13/02 DATE COMPLETED: 6/13/02							
PROJECT NAME: WATERFORD SITE NAME: OVERHEAD SIGNS STATION: MM 10.970 NORTHBOUND GROUND EL.:		PROJECT NUMBER: HES 093-1101 SITE NO.: I-93 OFFSET: LEFT SIDE G.W. DEPTH: 5.75 (06/13/02)							
BORING CREW CREW CHIEF: YOUNG DRILLER: YOUNG LOGGER: SOMERS		BORING RIG: TRACK RIG BORING TYPE: WASH BORE SAMPLE TYPE: SPLIT BARREL							
DEPTH	SYMBOL	CLASSIFICATION OF MATERIALS <i>(Description)</i>	BLOWS PER FOOT	M.C. %	GRAVEL %	SAND %	FINES %	LL	PI
		A-1-b, SaGr, brn, Moist, Rec. = 0.9'	10	10.6	50	30.8	19.2		
		Grass & Roots were within sample.							
		A-4, SiSa, gry, Moist, Rec. = 1.2'	40	12.6	17	42.8	40.2		
5		A-2-4, SiSa, gry-brn, Moist, Rec. = 1.25'	23	16.8	19.2	46.5	34.3		
		A-1-b, SiSaGr, gry, Moist, Rec. = 0.2'	34	12.2	50.9	25.8	23.3		
		A-2-4, SiGrSa, brn, Moist, Rec. = 1.33'	27	13.9	27.9	45.2	26.9		
10		A-2-4, GrSiSa, brn, Moist, Rec. = 0.8'	39	13	23.3	50.1	26.6		
15		A-1-b, SiSaGr, gry, Moist, Rec. = 1.5'	59	9.4	41.4	35.1	23.5		
		Top of bedrock @ 17.0'							
		Run#1: NXGDC, 17.0' - 20.25', Rec. = 2.1', See Geologist's Report.	1	65	55	60			
		Run#2: NXGDC, 20.25' - 23.25', Rec. = 2.66', See Geologist's Report.	2	89	75	60			
		Hole stopped @ 23.25'							
20		Geologist's Report: Run#1: Gray silicious slate, Hard, Unweathered, Competent. Run#2: Gray silicious slate, Hard, Unweathered, Competent.							

BORING LOG

SHEET #2

SURVEYED BY	J. TOUCHETTE	DATE	07/02
DRAWN BY	C.C. BENDA	DATE	07/02
SQUAD LEADER			
DESIGN FILE NO.	/M&R/87a030/ma030bor.dgn		
IPARM FILE		DATE PLOTTED	1/4/2007
PROJ. NAME	WATERFORD		
PROJ. NO.	HES 093-1101		
SHEET	130 OF	130 SHEETS	