ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POS.	ASKEW	TYPE IN	TYPE OUT	DITCH IN	DITCH OUT	REM/RST S IN	REM/RST L FT	PIPE D IN	PIPE L FT	PIPE OPT	OPTIONS CSP TH	OPTIONS RCP CL	OPTIONS PCCSP TH	OPTIONS CAAP TH	OPTIONS CGMPP TH	NO. PIPE ELBOW EA	ELBOWS D IN	ELBOWS TOP DEG	ELBOWS BOT DEG	ELBOWS 24" CPLG EA	ELBOWS ELB OPT	END SECTION EA	END SECTION OPT	DEPTH DI FT	CONC CL B CY	REIN STEEL LBS	DI PRATE TYPE	CHAN ELEV	CRM CY	TR EXCAV EARTH CY	TR EXCAV ROCK CY	UN-CLASS CHAN CY	COM EXCAV CY	STRUC EXCAV CY	UNDER BKF STRUC CY	STONE FILL TYPE	STONE FILL CY	MRKR POSTS LT	MRKR POSTS RT	REMARKS
MAINLINE																																										
436+40	437+70	RT																																				I	54			SPECIAL DITCH W/TYPE I STONE FILL
441+10	443+23	RT																														90						II	46			SPECIAL DITCH W/TYPE II STONE FILL
443+50	444+00	LT																																				I	19			SPECIAL DITCH W/TYPE I STONE FILL
443+50		CL																								6.0	2.6	246	A											1		
443+50	443+50	CL LT		DI	DI					18	58	C			0.064	0.060																										
443+50		LT																								7.5	3.1	285	A											1		
443+50	443+50	LT LT		DI	PAD					18	114	C			0.064	0.060		2	18	21	21	4	K									1						I	1	1		OUTLET PAD (8'X4'X1')
444+10	444+10	LT RT		HDWL	HDWL					42	380				0.109																12.8	37.1										W/CRADLE HEADWALLS
444+00	445+00	LT																																				II	345			SPECIAL DITCH W/TYPE II STONE FILL
445+00	447+50	LT																																				II	438			SPECIAL DITCH W/TYPE II STONE FILL
445+50	447+50	RT																																				II	364			SPECIAL DITCH W/TYPE II STONE FILL
445+00	446+75	RT																																								ENHANCED EMBANKMENT DITCH W/EROSION MATTING AND SEEDING
453+40	459+50	LT RT																																1096								EARTH DAM EMBANKMENT
447+00	450+50	LT																																258								TYPICAL CUT-OFF SWALE
450+50	458+00	LT																																2466								TYPICAL CUT-OFF SWALE
447+50	458+00	RT																																								SPECIAL DITCH W/EROSION MATTING AND SEEDING
447+50	458+00	LT																																								SPECIAL DITCH W/EROSION MATTING AND SEEDING
447+25	450+50	RT RT		DI	DI					42	326	G			0.109	0.105																45	387									OUTLET TO SPECIAL DITCH
450+50		RT																								6.0	3.3	307	A				12									
450+50	450+50	LT RT		DI	DI					18	94	C			0.064	0.060																	36									
450+50		LT																								3.5	1.8	161	A				7							1		
450+50	453+00	RT RT		DI	DI					42	248	G			0.109	0.105																	324									
453+00		RT																								6.0	3.1	307	A				13									
453+00	453+00	LT RT		DI	DI					18	86	C			0.064	0.060																	36									
453+00		LT																								4.5	2.1	192	A				9							1		
453+00	456+00	RT RT		DI	DI					36	298	F			0.109	0.105																	313									
456+00		RT																								5.5	3.0	279	A				14									
456+00	456+00	LT RT		DI	DI					18	82	C			0.064	0.060																	32									
456+00		LT																								3.5	1.8	161	A				7							1		
456+00	459+00	RT RT		DI	DI					36	298	F			0.109	0.105																	319									
459+00		RT																								5.5	3.2	279	A				13									
459+00	459+00	LT RT		DI	DI					18	84	C			0.064	0.060																	35									
459+00		LT																								4.0	2.0	184	A				10							1		
459+00	463+00	RT RT		DI	DI					36	398	F			0.109	0.105																	345									
463+00		RT																								5.0	2.8	270	A				9									
463+00	463+00	LT RT		DI	DI					36	84	F			0.109	0.105																	74									
463+00		LT																								5.0	2.8	270	A				9							1		
463+00		LT																													4.9		14									HEADWALL
463+00	463+00	LT LT		HDWL	DI					36	32	F			0.109	0.105																	18									
463+00	467+00	RT RT		DI	DI					18	398	C			0.064	0.060																	195									
467+00		LT																								3.5	1.8	161	A				6							1		
467+00	467+00	LT RT		DI	DI					18	74	C			0.064	0.060																	34									
467+00		RT																								3.5	1.8	161	A				9								1	
471+50		LT																													4.9		17									HEADWALL
471+50	471+50	LT LT		HDWL	DI					36	30	F			0.109	0.105																	23									
471+50		LT																								7.0	3.8	344	A				14							1		
471+50	471+50	LT RT								36	74	F			0.109	0.105																	109									
471+50		RT																								7.5	3.8	353	A				20									
471+50	471+50	RT RT								42	42	G			0.109	0.105																	85									
471+50		RT																								8.0	4.4	382	A				21									
471+50	473+45	RT RT		DI	PAD					42	276	G			0.109	0.105								1	N							897	154					II	6			OUTLET PAD (6'X4'X2')
458+00	463+00	LT																																1076								TYPICAL CUT-OFF SWALE
463+00	469+00	LT																																895								TYPICAL CUT-OFF SWALE
469+00	471+50	LT																																218								TYPICAL CUT-OFF SWALE
471+50	473+00	LT																																306								TYPICAL CUT-OFF SWALE
458+00	473+00	LT																																								SPECIAL DITCH W/EROSION MATTING AND SEEDING
458+00	473+00	RT																																								SPECIAL DITCH W/EROSION MATTING AND SEEDING
473+00	484+00	LT																																								SPECIAL DITCH W/EROSION MATTING AND SEEDING
473+00	480+00	RT																																								SPECIAL DITCH W/EROSION MATTING AND SEEDING
480+00	481+25	RT																																								SPECIAL DITCH W/EROSION MATTING AND SEEDING
473+00	484+00	LT																																1661								TYPICAL CUT-OFF SWALE
484+00	488+00	LT																																				II	570			SPECIAL DITCH W/TYPE II STONE FILL
471+50	477+50	RT RT		DI	DI					18	598	C			0.064	0.060																	290									
477+50		LT																								3.5	1.8	161	A				8							1		
477+50	477+50	LT RT		DI	DI					18	74	C			0.064	0.060																	33									FINAL [illegible]
477+50		RT																								4.0	2.0	184	A				7								1	[illegible]
TOTALS											1662	C						2	K			4		1	N		51.0	4687	19-A		22.6	1404	3061	7976	0	0	0	I	74	11	2	
											1214	F																										II	1769			
											892	G																										IV	0			
											380	42" PCCSP .168																														

TOTALS

UNDERDRAIN

STA.	STA.	TYP.	POS.	D	L	TRENCH E	TRENCH R	CAR	FB	MKR PST
MAINLINE										
446+75	449+00		LT	6	200	7	65	35		2
447+25	450+50		RT	6	300	31	291	25		1
450+50	453+00		RT	6	250		196			
453+00	456+00		RT	6	300		245			
456+00	459+00		RT	6	300		245			
450+50	450+50		LT-RT	6	75		35			
453+00	453+00		LT-RT	6	67		29			
456+00	456+00		LT-RT	6	64		27			
459+00	463+00		RT	6	400		222			
463+00	467+00		RT	6	400		206			
467+00	471+50		LT	6	450	14	262			
467+00	471+50		RT	6	450		330			
459+00	459+00		LT-RT	6	64		30			
463+00	463+00		LT-RT	6	64		38			
467+00	467+00		LT-RT	6	65		29			
471+50	477+50		LT	6	600		343			
471+50	477+50		RT	6	600		350			
471+50	471+50		LT-RT	6	65		82			
477+50	480+00		RT	6	250		158			
477+50	483+50		LT	6	600	65	254			
477+50	477+50		LT-RT	6	65		23			
491+00	495+00		LT	6	400	136	13			
492+00	495+00		RT	6	300	116	30	90		
495+00	499+50		LT	6	450	144	39	35		1
495+00	500+00		RT	6	500	162	8	106		
TOTALS					7279	675	3548	285	0	4

PROJECT NAME WILLISTON - COLCHESTER
PROJECT NUMBER PB 033-1(2)

REVISED 6/25/91 RDH
SHEET 15 OF 400 SHEETS