ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POSITION	ASKEW	TYPE IN/OUT	DITCH IN	DITCH OUT	PIPE ARCH S IN	PIPE ARCH R IN	PIPE ARCH L FT	PIPE D IN	PIPE L FT	ALLOWABLE OPTIONS PCCSP TH	CAAP TH	RCP CL	CSP TH	CPEP	SEAMLESS COPPER WATER TUBE FT	PIPE ELBOW NO-DEG	ES EA	CB	PRCD	DEPTH DI	CONC CL B CY	REIN STEEL LBS	DI GRATE TYPE	CHAN ELEV	CRM CY	TR EXCAV EARTH CY	TR EXCAV ROCK CY	COMM EXC CY	UNC CHAN EXC CY	STRUC EXCAV CY	GRAN BKF STRUC CY	GRAN BORR CY	EROS MATT SY	STONE FILL CY	STONE FILL TYPE	MRKR POSTS LT	MRKR POSTS RT	PLASTIC WATER PIPE LF	SLEEVE FOR UTIL. LF	REMARKS
403+45	404+50	LT-LT																																	47								EROSION MATTING DITCH LINING
404+42.3		CL	63-24' LT							18	96			III		X						4.0	2.1	193	A			103	4									1	1			REMOVE EXISTING 15'' RCP AND DI RIGHT
404+42.3		RT								24	78				.064	X						8.5	4.1	354	A			68								1	I		1			REMOVE 15'' CMP
405+20		RT-LT															90											18													70	1'' SEAMLESS COPPER WATER TUBE W/ 6'' SLEEVE FOR UTIL.
406+50	409+25	LT-LT																																	122								EROSION MATTING DITCH LINING
407+00		LT-RT	74-00' LT							24	88	.064	.060			X						4.0	2.1	193	B			55								1	I	1	1			REMOVE EXIST 18'' RCP
411+75	416+25	LT-LT																																	200								EROSION MATTING DITCH LINING
414+20.6		CL	88-39' RT							18	90	.064	.060			X			1									34								1.5	I	1	1			REMOVE EXIST 18'' RCP
415+50	418+00	RT-RT																												74						74	I					TYPE I STONE FILL
416+25	417+00	LT-LT																												22						22	I					TYPE I STONE FILL
417+91		LT																										3														REMOVE 12'' GMP
418+20		LT-RT	83-30' LT						NEW	14'-0''		X 8'-7'' X 90' CAAPPA SEE SHEET 79 OF 153																															
418+36		LT															SEE SHEET 79 OF 153																										REMOVE EXIST 12'-10'' X 8'-4'' X 68' CGMPPA & CRADLE H.W.
422+50		RT								12	30		.060		.064	X		2-15		1								10								.5	I		1			
422+56.44		LT-RT	79-08' RT							24	124	.064	.060			X			1									31								3	I	1	1			REMOVE EXIST 18'' GMP
423+50	428+50	LT-LT																												148						148	I					STONE FILL TYPE I DITCH LINING
426+00		LT-RT								18	86	.064	.060	III		X						4.0	2.1	193	B			63								1	I	1	1			
428+50	429+50	LT-LT																																	44								EROSION MATTING DITCH LINING
429+78.7		CL	69-33 LT							24	108	.064	.060			X			1									113								3	I	1	1			REMOVE EXIST. 18'' RCP
431+50	433+00	RT-RT																																	67								EROSION MATTING
433+02.77		LT-RT	65-51 RT							24	108	.064	.060			X			1									59								1	I	1	1			REMOVE EXIST 18'' RCP
435+50		RT								12	26		.060		.064	X		1-15		1								2								.5	I		1			
437+05.5		LT-RT	87-17 RT							30	106	.079	.075			X		1-25				4.5	3.1	252	A			133								4	II	1	1			REMOVE EXIST. 18'' RCP
437+50	442+75	LT-LT																																	233								EROSION MATTING
441+05		LT																																									EXISTING 18'' DRIVE CULVERT - RETAIN
441+27.9		LT-RT	74-07 RT							24	82	.064	.060			X						5.0	2.6	231	A			78								8	I	1	1			REMOVE EXIST 24'' RCP
																																				3	II					
441+98		LT								15	74			III	.064	X																											DRIVE CULVERT
445+30	448+50	LT-LT																																	142								EROSION MATTING
445+87.5		RT	80 RT																									7	2													REMOVE EXIST 12'' RCP AND D.I.
448+00		LT-RT								18	78	.064	.060	III		X						4.0	2.1	193	B			39	7							1	I	1	1			
448+50	452+00	LT-LT																										104								104	I					STONE FILL TYPE I
				TOTALS						12	56		.060		.064	X	90	3-15		2		18.2	1609	4-A			920	13	244					855	369.5	1	10	13	70			
				SHEET 2 OF 4						15	74			III	.064	X		1-25						3-B											7	II					
										18	90	.064	.060			X			1																									
										18	96			III		X																											
										18	164	.064	.060	III		X																											
										24	510	.064	.060			X			3																									
										24	78				.064	X																											
										30	106	.079	.075			X																											
		TOTALS																																								

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT MELT	END TREATMENT ANCHOR
TOTALS					

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB	STN FILL	MKR PST
445+00	445+00	C	RT	6	30	14				1	1
452+01	454+75	U	LT	6	274	76	18		1		1
454+75	457+93	U	LT	6	318	40	96		1		1
458+00	461+50	U	LT	6	350	7	136		1		1
461+57	464+70	U	LT	6	314	101			1		1
464+80	468+50	U	LT	6	370	120			1		1
468+54	473+00	U	LT	6	446	271			1		1
468+54	473+38	U	RT	6	484	248			1		1
REV	REV										
474+40	476+48	U	RT	6	208	111			1		1
REV											
476+48		C	RT	6	22	0				1	1
REV	REV										
480+49	483+49	U	LT	6	300	121			1		1
REV											
483+55	487+00	U	LT	6	346	173			1		1
487+00	487+40	C	LT	6	46	4				1	1
487+15	489+50	U	RT	6	236	96			1		1
489+50	489+50	C	RT	6	40	8				1	1
SHEET #2 SUB TOTAL		U			3646	1390	250		11	4	15
		C			138						
SHEET #1 SUB TOTAL		U			5726	2018	616		21	2	24
		C			504						
EST. UNDERDRAIN					2100	1000	300				
GRAND TOTALS		U			11472	4408	1166		32	6	39
TOTALS		C			642						

PROJECT NAME GROTON - RYEGATE
PROJECT NUMBER F 026 - I(30)

dd073d2.I 12-MAR-1997
SHEET 11 OF 152 SHEETS