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	PRCVD	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
374+00		CL								18	50	.064	.060			X						3.5	1.9	158	B		38								1	I	1	1				
375+91.9		CL	80-16 LT							18	84	.064	.060			X			1								56								1	I	1	1			REMOVE EXISTING 12'' RCP
376+00	377+50	LT-LT																									44								44	I					STONE FILL TYPE I
377+50	377+80	LT-LT																															13								EROSION MATTING
378+11		LT								15	58			III	.064	X																										DRIVE CULVERT, REMOVE EXISTING 12'' RCP
378+40	379+50	LT-LT																															49								EROSION MATTING
381+85	382+75	RT-LT																									19	55											170	90	3/4'' FLEXIBLE PLASTIC WATER PIPE W/ 6'' SLEEVE FOR UTIL.
381+99		RT								15	50			III	.064	X																										DRIVE CULVERT
382+00	384+00	LT																															89								EROSION MATTING
382+25	384+00	RT-RT																															78								EROSION MATTING
384+00	387+00	LT-LT																									89								89	I					STONE FILL TYPE I
386+08.2		CL	89-13 LT							18	114	.064	.060			X			1								42								2	II	1	1			REMOVE EXIST 18'' RCP
388+00		LT-RT	84-00 LT	NEW 84'' X 120' CAAPP SEE SHEET 77 OF 153 FOR SECTIONS AND SHEET 76 OF 153 FOR DETAILS AND QUANTITIES																																						
388+25		LT-RT	78-43 RT	SEE SHEET 77 OF 153 FOR SECTIONS AND SHEET 76 OF 153 FOR DETAILS AND QUANTITIES																																					REMOVE EXISTING BOX CULVERT
388+75	391+00	RT-RT																															100								EROSION MATTING
388+75	391+00	LT-LT																															100								EROSION MATTING
392+80	393+50	RT-LT								18	96			III		X						3.5	1.9	158	A		51															
393+50	394+35	LT								18	84			III		X						4.0	2.1	193	A		58															
394+35	397+00	LT-LT								24	264			III		X						6.5	3.2	278	A		231															
394+50		LT																									10														REMOVE EXIST 12'' GMP
395+50	397+00	LT-LT																															80								EROSION MATTING
395+50	397+30	RT-RT																															80								EROSION MATTING
396+00		RT								15	30			III	.064	X																										DRIVE CULVERT
397+00		RT-LT								18	68			III		X						4.0	2.1	193	A		39											1	1			
397+00	399+50	LT-LT								24	248			III		X						5.0	2.6	231	A		180															
397+40	399+50	LT-LT																												65					65	I					STONE FILL TYPE I DITCH LININGS
397+30	399+50	RT-RT																												65					65	I					STONE FILL TYPE I DITCH LINING
399+50		LT-RT								30	68			III		X						5.5	3.6	288	B		91											1	1			4' X 6' DI AT INLET
399+50	400+00	RT-RT								30	78	.079	.075			X						10.0	6.7	471	B		218								2	II		1			4' X 6' DI AT INLET
399+50	401+50	LT-LT																															89								EROSION MATTING DITCH LINING
399+50	400+75	RT-RT																															56								EROSION MATTING
401+65		LT								15	62			III	.064	X																										DRIVE CULVERT
402+86.2		LT-RT	72-04' RT							24	84	.064	.060			X			1								47								1	I	1	1			REMOVE EXISTING 18'' RCP
				TOTALS						15	200			III	.064	X						24.1	1970	5-A		1213	55	130					734	266	I	6	7	170	90		
				SHEET 1 OF 4						18	248	.064	.060			X			2						3-B									4	II						
										18	248			III		X																									
		TOTALS								24	512			III		X																									
										24	84	.064	.060			X			1																							
										30	68			III		X																									
										30	78	.079	.075			X																									

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT MELT	END TREATMENT ANCHOR
373+87.5	377+00		312.5	2	
TH 61					
3+50	388+64		737.5	1	1
TH 13					
1+12.5	389+50.5	287.5		2	
400+02.5	403+15		312.5	2	
417+33.5	418+46		112.5	2	
418+13.5	418+63.5	50		2	
422+37.5	431+00		862.5	2	
433+37.5	442+00		862.5	2	
446+77.5	458+52.5		1175	2	
482+65	486+52.5		387.5	2	
489+50	489+87.5			1	
		337.5	4762.5		
TOTALS =		5100		20	1
TOTALS					

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB	STN FILL	MKR PST
377+00	378+00	C	LT	6	100	12					
377+00	379+45	U	RT	6	246	82			1		1
378+00	381+50	U	LT	6	350	53	127		1		1
379+50	383+50	U	RT	6	400	324			1		1
381+55	385+00	U	LT	6	346	70	135		1		1
383+50	384+00	C	RT-RT	6	58	6			1	1	2
385+00	385+50	C	LT	6	50	6					
389+00	393+50	U	LT	6	450	153			1		1
393+50	397+00	U	LT	6	350	134			1		1
398+00	399+50	U	LT	6	150	53			1		1
399+60	401+50	U	LT	6	190	66			1		1
401+50	402+75	C	LT	6	126	18					
402+75	403+00	C	LT	6	26	4					
403+00	404+50	U	LT	6	150	51			1		1
404+56	406+90	U	LT	6	234	59			1		1
407+10	411+50	U	LT	6	440	149			1		1
415+50	418+00	U	RT	6	250	76			1		1
418+00	418+00	C	RT	6	16	2					1
422+50	423+50	C	LT	6	100	25					
423+50	425+95	U	LT	6	246	108			1		1
426+00	428+00	U	LT	6	200	67			1		1
431+00	433+50	U	RT	6	250	86			1		1
433+50	433+50	C	RT	6	28	3				1	1
435+00	437+00	U	LT	6	200	52	37		1		1
437+00	440+50	U	LT	6	350	100	40		1		1
441+23	443+97	U	LT	6	274	44	84		1		1
442+50	445+00	U	RT	6	250	123	42		1		1
444+00	448+00	U	LT	6	400	92	151		1		1
TOTALS		U				5726	2018	616		21	2	24
		C				504					

PROJECT NAME GROTON - RYEGATE
PROJECT NUMBER F 026 - 1(30)

dd073dl.1 12-MAR-1997
SHEET 10 OF 152 SHEETS