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 SL	CPEP	PIPE ELBOW NO-DEG	ES EA	CB	PRCCDI	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	REMARKS
163+00		CL																																						EXISTING 18'' RCP - RETAIN
165+07	165+25	RT																																						EXISTING 15'' CGMP - RETAIN
165+35.5		CL	82° 35' LT																																				EXISTING 18'' RCP - RETAIN
165+45	166+94	LT																											194				132						CONSTRUCT SPECIAL DITCH (PAY AS COMMON EXCAVATION)
166+94	167+61	LT		MES						30	64				.079	X			1								109												
167+00	168+45	RT		MES						18	146				.064	X			1																				DRIVE CULVERT - PIPE LAID IN DITCH
167+61	172+50	LT																											675				435						CONSTRUCT SPECIAL DITCH (PAY AS COMMON EXCAVATION)
168+17	168+37	RT																																					EXISTING 15'' CGMP - REMOVE WITH COMMON EXCAVATION
169+50	169+75	LT/RT		MES						18	76	.064	.060			X			1								15										1	1	
172+00	172+50	LT/RT		RCDI						24	92	.064	.060			X						3.5	1.9	158	1-A		49								2	I	1	1	
172+50		CL																									8												REMOVE EXISTING 18'' ACCGMP
175+75	178+11.5	RT																									21							43	I				SPECIAL DITCH W/ STONE FILL, TYPE I
178+11.5		RT																									17												EXISTING 15'' CMP - REMOVE
178+11.5	178+50	RT																									7							7	I				SPECIAL DITCH W/ STONE FILL, TYPE I
178+12		CL		MES						24	136	.064	.060			X			1								28							7	II	1	1		TYPE II STONE PAD @ OUTLET
178+14		LT		PRCCDI						12	40		.060		.064			2		1					1-E		12									1			1-10° ELBOW AND 1-15° ELBOW
180+29		RT	88° 07' LT																								18												REMOVE EXISTING 12'' ACCGMP
180+50		CL		RCDI						18	88	.064	.060				X					6.0	3.0	270	1-E										3	I		1		STONE FILL, TYPE I AT OUTLET
182+00		LT		RCDI						18	56		.060		.064			2				8.0	3.9	347	1-E		33								4	II	1			1-25° ELBOW AND 1-15° ELBOW (TYPE II STONE PAD @ OUTLET)
182+00	182+53 REV.	LT/RT		MES						18	84	.064	.060			X			1								5										1		PIPE IN FILL AND INLET DITCH
183+85	186+75	RT		RCDI						15	291			III	.064	X						7.0	3.5	308	1-A		155										2		DRIVE CULVERT
183+95		RT																									9												REMOVE EXISTING 10'' CMP
184+02	184+63	RT		RCDI						15	85			III	.064	X						3.0	1.7	150	1-A		36										2		DRIVE CULVERT (PARKING AREA)
184+26	184+68	RT																									16												REMOVE EXISTING DRIVE CULVERT (SIZE UNKNOWN)
184+32	184+60	RT																									10												REMOVE EXISTING 12'' CMP
REV	REV																																						
189+75	190+70	RT																																					EXISTING PIPE - RETAIN
REV	REV																																						
190+70	191+70	RT								0.5	100																39												FLEXIBLE PLASTIC WATER PIPE. INTERCEPT
REV	REV																																						EXISTING WATER PIPE @ REV. 190+70 RT
190+70	191+70	RT								6	100																												6'' SLEEVE FOR 1/2'' PLASTIC WATER PIPE
REV	REV																																						
190+74	191+00	RT		MES						15	26			III	.064	X			1																		2		PIPE LAID IN DITCH
REV	REV																																						
191+03	191+94	RT																									36												REMOVE EXISTING CULVERT (SIZE UNKNOWN)
REV	REV																																						
191+24	191+41	LT/RT								6	65																36												6'' SLEEVE FOR FUTURE USE
REV	REV																																						
191+44	192+36	LT		RCDI						15	92			III	.064	X						4.0	2.1	193	1-A		45												
SUBTOTALS										0.5	100	(PLASTIC WATER PIPE)																												
DRAINAGE SHEET #1										6	165	(SLEEVE) (PVC SCHEDULE 40)																												
										12	40		.060		.064			2-12''		1		16.1	1426	4-A		704	869			567	55	I	5	11					
										15	494			III	.064	X			1					3-E							11	II	16					
										18	146				.064	X			1																				
										18	88	.064	.060				X																						
										18	160	.064	.060			X			2																				
TOTALS										18	56		.060		.064			2-18''																					
										24	228	.064	.060			X			1																				
										30	64				.079	X			1																				

STEEL BEAM GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT MELT
174+75	179+50	475		2
	REV			
180+46	186+65.5	625		2
REV	REV			
191+62.5	192+87.5		125	2
REV	REV			
193+68.5	209+81	1612.5		1
TH2				
33+62.5	36+87.5	325		2
TOTALS		3037.5	125	9
		3162.5		
TOTALS				

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB	MKR PST
165+35	169+50	U	RT	6	420	79			1	2
172+50	175+00	U	RT	6	250	78			1	1
REV	REV									
186+44	192+36	U	LT	6	592	268			2	2
REV	REV									
186+94	191+67	U	RT	6	474	139			2	2
REV	REV									
191+87	193+94	U	RT	6	207	83			1	1
REV	REV									
193+94	196+40	U	LT	6	246	109			1	1
REV	REV									
199+19	201+69	U	RT	6	250	27	137		1	1
REV	REV									
201+79	203+99	U	RT	6	222		136		1	1
REV	REV									
201+80	202+00	C	LT	6	34	7			1	2
REV	REV									
202+00	204+00	U	LT	6	200	103			1	1
DESIGNED		U			2861	893	273		12	14
SUB-TOTALS		C			34					
CONTINUED ON FOLLOWING SHEET										
TOTALS										

PROJECT NAME MORETOWN
PROJECT NUMBER RS EGC RS0167(9)

10-FEB-2000 DE132DR1
SHEET 12 OF 243 SHEETS