ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POSITION	ASKEW	TYPE	DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS					CPEP	PIPE ELBOW	ES	CB	PRCSD	DEPTH DI	CONC CL B	REIN STEEL	DI GRATE	CHAN ELEV	CRM	TR EXCAV		COMM EXC	UNC CHAN EXC	STRUC EXCAV	GRAN BKF STRUC	GRAN BORR	EROS MATT	STONE FILL		MRKR POSTS		REMARKS
				IN/OUT	IN	OUT	S	R	L	D	L	PCCSP	CAAP	RCP	CSP	CPEP		NO-DEG	EA									EARTH	ROCK									LT	RT	
							IN	IN	FT	IN	FT	TH	TH	CL	TH	SL						DI	CY	LBS	TYPE		CY	CY	CY	CY	CY	CY	CY	SY	CY	TYPE			
REV	REV																																					
192+36	193+94	LT		RCDI						18	180	.064	.060				X					4.0	2.1	193	1-A			175	10									2		
REV	REV																																					
191+85	193+96	RT/LT		HDWL						60	258		.135		.138								26	2100					72	1110	219	576		72	II			INLET DITCH W/ STONE FILL, TYPE II
REV																																						
193+09		LT	52° 33' LT																												89								REMOVE EXISTING 48'' RCP AND HEADWALL; BACKFILL TRENCH
REV	REV																																					
193+11	193+26	RT/LT								6	62																	27											6'' SLEEVE FOR 1.25'' COPPER WATER TUBE. INTERCEPT EXIST.
REV	REV																																					W/MATERAL REMOVED FROM TRENCH FOR 60° PIPE.
193+11	193+26	RT/LT								1.25	62																											EXTENSION SERVICE BOX AND CURB STOP @ REV.193+11 RT.
REV																																						
193+24		LT																													187								REMOVE 56' OF THE EXISTING 7' X 5' CONC. BOX; BACKFILL
																																						TRENCH W/MATERIAL REMOVED FROM TRENCH FOR 60° PIPE.
REV	REV																																					
193+44	193+84	CL																																					EXISTING 15'' CGMP (REMOVE W/ COMMON EXCAVATION)
REV																																						
193+54		LT																																					REMOVE EXISTING 48'' BOILER PIPE W/ NEW 60'' PIPE
REV	REV																																					
193+94	194+00	LT		RCDI						18	62		.060		.064		X					4.0	2.1	193	1-A			31									1		
REV																																						
193+94		CL		RCDI						18	78		.060		.064		X					8.0	3.9	347	1-A			119										1	
REV	REV																																					
193+94	196+65	LT		RCDI						18	270		.060		.064		X					5.0	2.6	231	1-A			230											
REV																																						
196+65		CL		RCDI						18	60	.064	.060			X						5.5	2.8	239	1-B			37									1	1	
REV	REV																																					
198+62	199+19	RT		RCDI						18	56	.064	.060			X						5.0	2.6	231	1-B			29										1	
REV																																						
198+77		CL																										7											REMOVE EXISTING 15'' CGMP
REV	REV																																					
199+19	199+44	RT/LT		RCDI						24	88	.064	.060			X						4.5	3.0	237	2-B			44					5				1	1	USE 4' X 6' DI @ INLET
REV																																						
201+79		CL		RCDI						18	78	.064	.060			X						4.0	2.1	193	1-A			39	14				2		4	II	1	1	OUTLET W/STONE FILL TYPE II
REV																																						
201+80		LT																																					EXISTING 12'' CGMP (REMOVE W/ COMMON EXCAVATION)
REV																																						
205+46		LT																										54											EXISTING 15'' CGMP - REMOVE
REV	REV																																					
206+16	206+33	RT/LT		HDWL						36	154	.079	.075			X											4.9	178	151				15		21	II	1	1	STRAIGHT HEADWALL @ INLET /STONE FILL TYPE II
REV																																						@ INLET.
206+33		LT																										209											EXIST. 30'' RCP-REMOVE W/ NEW 36'' X 154' PIPE
REV	REV																																					
206+42	206+84	RT/LT								6	161																	47	25										6'' SLEEVE FOR 1'' COPPER WATER TUBE
REV	REV																																					
206+42	206+84	RT/LT								1	161																													EXTENSION SERVICE BOX AND CURB STOP
REV	REV																																					
206+80	207+35	LT								18	58				.064													16											
SUBTOTALS										1.25	62	(COPPER TUBE)																												
DRAINAGE SHEET *2										1	161	(COPPER TUBE)																												
										6	223	(SLEEVE) (PVC SCHEDULE 40)																												
										18	58				.064							47.2	3964	5-A		4.9	1242	200		72	1386	219	598				7	6	
										18	194	.064	.060			X								4-B										97	II	13		
										18	410		.060		.064		X																						
										18	180	.064	.060				X																							
										24	88	.064	.060			X																								
TOTALS										36	154	.079	.075			X																								
										60	258		.135		.138																										

STEEL BEAM GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT
REMOVAL AND DISPOSAL OF GUARD RAIL				
REV	REV			
192+69	193+20		51	
REV	REV			
193+70	199+40	570		
REV	REV			
199+30	200+10	80		
REV	REV			
200+25	206+60	660		
REV	REV			
206+90	207+10	44		
TH2				
31+00	32+54	154		
TH2				
33+00	37+07	407		
TOTAL		1915	51	
GRAND TOTAL		1966		
	TREATED TIMBER CURB			
176+00	179+50	350		
180+46	185+50	504		
REV	REV			
207+30	209+56	226		
REV	REV			
209+56	210+06	50		
	TOTAL	1130		
TOTALS				

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB		MKR PST
REV	REV										
204+05	206+16	U	RT	6	212	74	52		1		2
REV	REV										
204+05	205+05	U	LT	6	100	27			1		1
REV	REV										
205+05	205+48	C	LT	6	54	17			1		2
TH2											
30+50	33+75	U	RT	6	326	58	68		2		2
TH2											
33+75		C	CL	6	56	6			1		2
TH2											
32+00	33+50	U	LT	6	150	8	46		1		1
TH2											
33+50		C	LT	6	12				1		2
REV. TH#12											
20+34	22+75	U	LT	6	275	138			1		2
DESIGNED		U		6	1063	328	166		9		14
SUBTOTALS		C		6	122						
ESTIMATED		U		6	850	750	5		3		3
ESTIMATED		C		6	150						
GRAND TOTALS		U			4774	1971	444		24		31
		C			306						
TOTALS											

PROJECT NAME MORETOWN
PROJECT NUMBER RS EGC RSO167(9)

09-MAY-2000 DE132DR2
SHEET 13 OF 243 SHEETS