ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POSITION	ASKEW	TYPE	DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS						PIPE ELBOW	ES	CB	EXCAV	DEPTH	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		EARTH BORR	REMARKS
				IN/OUT	IN	OUT	S IN	R IN	L FT	D IN	L FT	PCCSP TH	CAAP TH	RCP CL	CSP TH	CPEP SL	PCCSP R TH	NO-DEG	EA		DI	CL B CY	STEEL LBS	TYPE	EA	CY	EARTH CY	ROCK CY	CY	CY	CY	CY	CY	SY	TYPE	LT	RT	CY		
0+00		LT																																			1			EXISTING 18" ACCGMP-RETAIN
0+00		CL																							1															EXISTING 18" ACCGMP-RETAIN
0+00	2+50	RT																							1															EXISTING 24" RCP-RETAIN
2+50	5+49	RT																																			1			EXISTING 24" RCP-RETAIN
5+05	7+00	RT																																						EXISTING 24" RCP-RETAIN
5+49		CL		DI						24	10			III													5	2.7									1			EXISTING 24" RCP-RETAIN & EXTEND OUTLET. REMOVE HDWL.
5+49	5+95	LT		DI/DI						24	46			III	.064	X					4.5	2.3	200	1-A			18										1			
5+95	6+55	LT		DI																	5.5	3.6	288	2-A			9	2.7									1			EXISTING 24" RCP-RETAIN, NEW 4' X 6' RCDI, REMOVE HW
6+02	6+09	LT		DI																					1															EXISTING 18" ACCGMP- RETAIN
6+60	9+75	LT		HW/HW						24	315			III	.064	X										6.4	78									2			INLET & OUTLET NEW L HEADWALLS
7+00		RT																			0.6	38					2										1			EXISTING 24" RCP-RETAIN NEW 4'X4'X12" DI TOP (NO GRATE)
7+05	17+00	RT																									68								260	I				CONSTRUCT SPECIAL DITCH
8+00		LT																									10	4.2											16	EXISTING 18" RCP - REMOVE, EXISTING RCDI @ INLET & HW @ OUTLET REMOVE
8+00	10+00	RT		DI/DI						18	200	.064		III	.064	X					5.0	2.6	231	1-A			80													
9+75	10+75	LT																									12								19	I				CONSTRUCT SPECIAL DITCH - COMMON EXCAVATION
10+00		LT		DI						18	16			III	.064	X					4.5	2.3	200	1-A			4										1			
10+00	12+00	RT		DI/DI						18	200	.064		III	.064	X					4.0	2.1	193	1-A			56													
12+00	14+00	RT		DI/DI						18	200	.064		III	.064	X					4.0	2.1	193	1-A			8													
14+00	16+00	RT		DI/DI						18	188	.064		III	.064	X					4.5	2.3	200	1-A			31													
15+51		CL		HW						18	8				.064										1	1.8	3	1.8									1			EXISTING 18" ACCGMP - RETAIN AND EXTEND, REMOVE EXISTING HW AND REPLACE W/NEW HW
16+00		RT		DI						18	20			III	.064	X					7.5	3.7	316	1-A			7													
17+15	18+25	LT																																						CONSTRUCT SPECIAL DITCH - COMMON EXCAVATION
18+42		CL		DI																					1		2										1			EXISTING 18" ACCGMP - RETAIN REMOVE HDWL
18+42	19+75	RT		DI/DI						18	184	.064		III	.064	X					7.0	3.5	308	1-A			66											1			
18+54	18+72	LT		DI/DI						18	22			III	.064	X					5.5	2.8	239	1-A			19										1			
18+54	19+50	LT		DI																	5.5	3.2	255	1-D			51	3.6												EXISTING 18" ACCGMP-REMOVE FROM 18+54-19+24 LT AND DI @ 18+54 LT
18+72	19+24	LT		DI/DI						18	50	.064		III	.064	X					6.5	3.2	278	1-D			45													
19+25	19+80	RT																									6								17	I				CONSTRUCT SPECIAL DITCH
19+50	20+50	LT																							1															EXISTING 18" ACCGMP-RETAIN
19+75		RT		DI						18	16			III	.064	X					5.0	2.6	231	1-D			8										1			
20+25	20+89	LT		DI/DI						18	62	.064		III	.064	X					8.0	3.9	347	1-A			60													
20+77	21+30	LT																									30	3.5												EXISTING 18" ACCGMP AND RCDI @ INLET-REMOVE
20+89	21+55	LT		DI/DI						18	56	.064		III	.064	X					8.0	3.9	347	1-D			37													
21+20	21+46	RT																									7								7	I				CONSTRUCT SPECIAL DITCH
21+30		LT																									37	5.3												EXISTING 18" ACCGMP W/RCDI @ INLET-REMOVE
21+46		CL		HW						60	12				.138											12.3	24							20	II	1			EX. 60" ACCGMP-RETAIN, REMOVE HDWL, EXTEND NEW 60"X12' CSP RT W/NEW HW
21+55		LT								18	36			III	.064	X					7.5	3.7	316	1-D			24	1									1			CONSTRUCT OUTLET IN EXISTING HW
TOTALS																																								

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT MELT	END TREATMENT ANCHOR
NEW STEEL BEAM					
3+40	5+27.5	187.5			
5+27.5	5+65	X		1	
6+00 (RAMP "B")		2			1
6+00	11+68	568			
11+68	12+05.5	X		1	
6+62.5	7+00		X	1	
7+00	30+75		2362.5		
30+75			2		1
RAMP "D"					
39+19	39+56.5		X	1	
39+19	ML35+50		2525		
ML35+50	ML35+87.5		X	1	
PIER RING					
6+75			150		
PIER RING					
24+50			150		
TOTALS:		5947		5	2
TOTALS					

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB	GEO UND LIN	MRKR PST
SEE SHEET 11											
TOTALS											

PROJECT NAME MONTPELIER
PROJECT NUMBER FEGC-F 028-2(8)

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