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	PCCSP PI TH	PIPE ELBOW NO-DEG	ES EA	CB	PRCDI	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
RIVER	ST TRAV																																							
79+27	79+48.5	LT/RT																							1•															EXIST. MANHOLE W/24'' INLET & OUTLET; CHANGE ELEVATION
79+48.5		RT																							1•															EXIST. MANHOLE W/12'' AC & 18''VCP INLET 24''RCP OUT.CHANGE ELEV.
79+78		RT																							1															EXIST. DROP INLET W/6''CGMP INLET & 18''RCP OUT.; CHANGE ELEV.
80+72		RT																					0.5					4											REMOVE EX. 2'X2' DI,EX. 18''ACCGMP TO BE PLUGGED & REMAIN IN PLACE
80+90		CL		4X4DI						18	56	.064	.060									7.5	3.7	316	1-D			75	13							4	II			STONE TYPE II @ OUTLET W/ FILTER FABRIC UNDER STONE FILL
80+90	82+00	RT-LT		4X4DI						18	108	.064	.060									6.0	3.0	242	1-D			124												
80+72	81+75	RT																					0.5						2										REMOVE EX. 2'X2' DI,EX. 12''ACCGMP TO BE PLUGGED & REMAIN IN PLACE
82+68.5		RT																							1															EXIST.DROP INLET W/PIPES-RETAIN; CHANGE ELEV. OF DI
85+07		CL		CCB			66	51	46			.109	.105						1													707				61	IV			REMOVE EXISTING 36'' CGMP;NEW CCB W/TYPE E GRATE W/ FILTER FABRIC
																																								UNDER STONE FILL, TYPE IV @ OUTLET
85+07	ML16+77	RT~LT		CCB						48	136	.109	.105						1								275	6												REMOVE EXISTING MANHOLE & 36''; CGMP. CCB W/CAST IRON COVER
BERLIN	ST																																							
12+19		RT																						CI•	1•															ADJUST ELEV. OF DI, NEW CAST IRON COVER W/FRAME•
12+39		CL		4X4DI						18	46	.064	.060									7.0	3.4	273	1-E			19												
12+39	13+45	RT		4X4DI						18	104	.064	.060									7.0	3.4	273	1-E			34												
13+25		RT																						CI•	1•															ADJUST ELEV. OF DI, NEW CI COVER & FRAME•
13+45	13+65	RT~LT		4X4DI						18	36	.064	.060									7.5	3.7	316	1-E			12												
13+45	13+70	RT		PRCDI						12	74		.060		.064			2-12		1••								37	6											PRC PIPE DI W/CONC. COVER .LOCATION TO BE DETERMINED BY THE ENGINEER
13+65	14+50	LT		4X4DI						18	86	.064	.060									7.0	3.4	273	1-E			31												
13+70		RT																						CI•	1•															ADJUST ELEV. OF DI, NEW CAST IRON COVER W/FRAME•
																																								RETAIN EXISTING 8'' PIPE
14+15		LT																						CI•	1•															ADJUST ELEV. OF DI, NEW CI COVER W/FRAME •
14+28	14+50	RT		4X4DI						12	20		.060		.064							4.0	2.6	193				11	1											CON EX 6'' CGMP TO NEW RCDI @ INL; REM EX DI,PLUG 6'' OUT
14+28	14+31	RT																						CI•	1•															ADJUST ELEV. OF DI: NEW CI COVER W/FRAME•
14+50		CL		4X4DI						18	30	.064	.060									5.5	2.7	219	1-E			11												
14+50	15+72	LT		4X4DI						18	122	.064	.060									7.5	3.7	316	1-E			46												
14+91.5		LT																						CI•	1•															ADJUST ELEV. OF DI; NEW CI COV W/FRAME,RET EX 6'' VCP•
15+72		CL		4X4DI						18	30	.064	.060									7.0	3.4	273	1-E			14												
15+72		RT								6''	4'	PVC•																	1											6''X 4' PVC TO CONNECT EXISTING SEWER LINES TOGETHER
																																								NEW 6''X 4' PVC PIPE(USE TRAN COUPLING AS NECESSARY)•
16+77		LT		CCB						48	50	.109	.105						1									117												NEW CCB W/1-E GRATE, REMOVE EX 36'' ACCGMP & DI
16+77	17+74	LT		4X6DI						48	96	.109	.105									10.0	5.9	536	1-E			138												
16+77	17+16	LT~RT																										81	4											REMOVE EXISTING 36'' CMP & STORM MANHOLE
17+16	19+09	RT																										200	4											REMOVE EXISTING 36''CMP & 2X2 DI @ 19+09 RT
16+77		CL		4X4DI						18	28	.064	.060									6.5	3.2	250	1-E			14												
TOTALS										6•	4•					PVC•																								
										12	94		.060		.064								43.1	3480	6-C	1•		1239	41			707				4	II			• NON GOVERNMENT-PART.
										18	646	.064	.060												2-D	2										61	IV			•• PRC PIPE DROP INLET
TOTALS							66	51	46	48	282	.109	.105					2-12	3	1••					9-E	8•													
												.109	.105																											

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT
VERTICLE GRANITE CURB (LT OF CL)				
12+41	13+23	210	ISLAND	
13+29	15+98	323		
16+15	16+88	73		
17+12	18+81	169		
18+87	19+19	34		
19+41	19+85	44		
20+25	20+59	34		
20+81	21+09	28		
21+31	21+73	42		
21+98	22+89	91		
23+21	23+50	29		
23+80	24+47	67		
24+73	R25+37	64		
R 25+52	R 25+63	28		
R 25+80	R 25+94	46		
R 26+02	R 27+69	167		
R 27+91	R 28+56	65		
R 28+78	R 29+43	65		
R 29+75	R 31+83	208		
R 32+07	R 32+58	51		
R 33+11	R 34+34	123		
R 34+47	R 34+57	23		
R 34+75	R 34+85	25		
R 34+92	R 35+49	57		
R 35+71	R 36+27	56		
R 36+53	R 37+12	59		
R 37+34	R 37+83	49		
R 38+09	R 38+60	51		
R 38+92	R 39+53	61		
R 39+79	R 40+26	52		
R 40+48	R 40+90	42		
R 41+03	R 41+15	32		
TOTALS SHEET 11	TOTALS	2470		

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB	MKR PST
12+39	12+50	C	RT	6	10	4				
12+50	16+95	U	RT	6	445	293			1	
13+65	14+15	U	LT	6	50	12			1	
16+77	17+00	C	RT	6	24	10				
16+77	17+27	U	LT	6	50	16			1	
17+00	18+90	U	RT	6	190	133			1	
18+94	19+00	C	LT	6	6	1				
19+00	19+44	U	LT	6	44	14			1	
20+50	20+60	C	RT	6	10	3				
20+60	23+42	U	RT	6	282	245			1	
23+42	26+10	U	RT	6	268	200			1	
22+00	22+50	U	LT	6	50	15			1	
R 24+80	R 25+30	U	LT	6	50	16			1	
R 26+06	R 26+15	C	RT	6	10	3				
R 26+15	R 31+48	U	RT	6	535	538			1	
R 27+95	R 28+45	U	LT	6	50	22			1	
R=REVISED		C		6	60				11	
TOTALS		U		6	2014	1525				

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PROJECT NAME MONTPELIER
PROJECT NUMBER MEGC M6400(7) 76B033DRI.PRF