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	PRCCDT	DEPTH	CONC	REIN	DI	CHAN	CRM	TR EXCAV		COMM	UNC CHAN	STRUC	GRAN BKF	GRAN	EROS	STONE FILL		MRKR POSTS			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 PI TH	NO-DEG	EA			DI	CL B CY	STEEL LBS	GRATE TYPE	ELEV	CY	EARTH CY	ROCK CY	EXC CY	CHAN EXC CY	EXCAV CY	STRUC CY	BORR CY	MATT SY	CY	TYPE	LT	RT	
50+58		LT																1•								1•														RETAIN 2 EXISTING 6'' CLAY PIPES & 8'' PCP, ADJUST ELEV OF MANHOLE•
50+69		LT																																					EXISTING 12'' CIP W/WSO VALVE-9'X 7' CONCRETE BOX - RETAIN
50+78		LT																1•								1•														EXISTING 12'' CIP W/WSO VALVE-9'X 7' CONCRETE BOX-ADJUST ELEV OF MH•
50+95	51+28.5	RT~LT																											2										REMOVE EXISTING 2X2 DI&12'' CMP OUTLET. DISPOSITION OF 6'' VCP TO BE DETERMINED BY ENGINEER. PIPES TO BE REMOVED UNDER COMMON EXCAVATION
51+00	52+35	LT		4X4DI						18	136	.064	.060									7.0	3.3	265	1-E			41												
51+00		CL		4X4DI						18	30	.064	.060									7.0	3.3	265	1-E			15	2											
52+35	52+54	LT~RT		4X4DI						18	36	.064	.060									7.0	3.3	265	1-E			15												
52+45		RT																										5												REMOVE EXISTING 12'' DRIVE PIPE
52+54	54+20	RT		4X4DI						18	162	.064	.060									6.5	3.1	242	1-E			55												
54+42		RT																																						RETAIN EXISTING 4X4 RCDI, FORCE MAIN, 4'' CIP & 6'' CVP
56+40		CL		4X4DI						18	30	.064	.060									6.5	3.1	242	1-E			12												
56+40	57+46	RT		4X4DI						18	104	.064	.060									7.5	3.6	273	1-E			41												
57+46		CL		4X4DI						18	30	.064	.060									7.0	3.3	265	1-E			12												
57+46	59+79	RT		4X4DI						18	232	.064	.060									7.5	3.6	273	1-E			71												
57+88		RT																1•								1•														EXIST. SEWER MANHOLE - ADJUST ELEV.•
59+21		RT																1•								1•														EXIST. SEWER MANHOLE - ADJUST ELEV.•
59+79		CL		4X4DI						18	30	.064	.060									7.0	3.3	265	1-E			13	2											REMOVE EXISTING 2X2 DI & 15'' CONCRETE PIPE
59+79	61+85	RT		4X4DI						18	204	.064	.060									7.6	3.6	273	1-E			70												
60+56		RT																1•								1•														EXIST. SEWER MANHOLE - ADJUST ELEV.•
61+85		CL		4X4DI						18	30	.064	.060									7.0	3.3	265	1-E			13												
61+85	62+31	RT		4X4DI						18	46	.064	.060									7.0	3.3	265	1-E			21												
62+31	63+92	RT																										36	3										REMOVE 2 EXISTING 12'' RCP'S & 2X2 DI
62+31	62+87	RT		4X4DI						18	56	.064	.060									6.5	3.1	242	1-E			28												CONNECT EXIST. 4'' PVC UNDERDRAIN TO NEW DI
62+87		CL		4X4DI						18	30	.064	.060									6.5	3.1	242	1-E			12												
62+87	63+60	RT		4X4DI						18	72	.064	.060									8.0	3.8	296	1-E			41												
63+60	64+83	RT		4X4DI						18	122	.064	.060									8.5	4.0	304	1-E			57												CONNECT EXIST. 8'' PVC UNDERDRAIN TO NEW DI
63+31		RT																1•								1•														EXIST. SEWER MANHOLE - ADJUST ELEVATION•
63+92	65+83	RT																										22	1										REMOVE EXISTING 12'' CMP & 2X2 RCDI
R 64+81		LT																1•								1•														EXIST. SEWER MANHOLE - ADJUST ELEV.
R 64+12	R 64+83	LT~RT		4X4DI						18	74	.064	.060									6.5	3.1	242	1-E			35												
R 64+83	R 66+24	RT		4X4DI						18	140	.064	.060									7.0	3.3	265	1-E			50												
R 65+83	R 67+52	RT																										29	3										REMOVE EXISTING 15'' CMP & 6'' VCP & 2X2 DI
R 66+24		CL		4X4DI						18	30	.064	.060									6.5	3.1	242	1-E			13												
R 66+68		LT																1•								1•														EXIST. SEWER MANHOLE - ADJUST ELEVATION.•
R 66+87		RT																1•								1•														
R=	REVISED																																							• NON-GOV'T. PARTICIPATION
TOTALS										18	1594	.064	.060									63.6		4991	19-E	9•		707	13											

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT	
TOTALS					

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB		MKR PST
TOTALS											

ARCHIVED ON CADD

PROJECT NAME MONTPELIER
PROJECT NUMBER MEGC M6400(7) 76B033DR6.PRF