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 CSP TH	CAAP TH	PCCSP CL	RCP TH	CPEP (SL)	PIPE ELBOW NO.	PIPE ELBOW DEG	ES EA	CB EA	PRCC DI EA	DEPTH DI FT	CONC. CLASS B CY	REINF. STEEL LBS	DI GRATE TYPE	CHANGE ELEV	TR EXCAV EARTH CY	TR EXCAV ROCK CY	COMM EXCAV CY	UNC EXCAV CY	STRUC EXCAV CY	GRAN BKF STRUC CY	GRAN BORR CY	STONE FILL CY	STONE FILL TYPE	MRKR POSTS LT	MRKR POSTS RT	REMARKS
148+60		℄		ES		X				36	174		.105	.079					1								63							6	II			
150+00		RT		PRCCDI						12	80	.064					2	15			1						28							1	I		1	SEE STD. DWG. D-16
153+02		℄																									33											EXISTING 30" RCP - REMOVE
153+07		℄	85°00'LT	ES						24	150		.060	.064					1								123							3	II	1	1	
153+10		RT		PRCCDI						12	70	.064					2	20			1						26							1	I			SEE STD. DWG. D-16
159+13		℄	71°13'RT	ES						18	86		.060	.064					1								29							2	I	1	1	EXISTING 15" RCP - REMOVE
161+27		℄	89°15'LT	ES						24	86		.060	.064					1								43							3	II	1	1	EXISTING 24" CGMP - REMOVE
163+72		℄																									25											EXISTING 30" RCP - REMOVE
163+79		℄	82°00'RT	ES		X				30	98		.075	.079					1								34							5	II	1	1	
165+40		RT		PRCCDI						12	40	.064					2	10			1						15							1	I			SEE STD. DWG. D-16
165+82		RT								15	96	.064				X																						DRIVE CULVERT
167+00		RT		PRCCDI						12	16	.064					2	20			1						7							1	I			
168+20		℄	83°15'RT	ES						24	80		.060	.064		X			1								28							3	II	1	1	EXISTING 15" RCP - REMOVE
171+34		℄	85°19'LT	HW HW						42	108		.105	.109									16.0	27			126	7						18	II			EXISTING 30" RCP - REMOVE / REINF. CONC. HDWL @ INLET AND OUTLET
172+59		LT		ES						15	76	.064							1																			DRIVE CULVERT
172+70		LT																									2											EXISTING 12" CGMP - REMOVE
175+71		℄																									30											EXISTING 24" RCP - REMOVE
176+17		℄	72°45'LT	ES	X	X				42	140		.105	.109					1								199							9	II	1	1	
179+50		RT		ES						15	56	.064							1																			DRIVE CULVERT
179+66		LT								15	64	.064				X			1																			DRIVE CULVERT
181+00		RT		ES						15	40	.064							1																			DRIVE CULVERT
186+11		℄	88°48'LT	ES						24	138		.060	.064					1								25							6	II	1	1	EXISTING 18" RCP - REMOVE
197+55		℄	83°13'RT	ES						18	132		.060	.064					1								41							1	II	1	1	EXISTING 24" CGMP - REMOVE
200+42		℄	81°00'RT	RCDI						18	118		.060	.064	III	X						4.5	2.3	200	A		48							1	II	1	1	EXISTING 18" CGMP - REMOVE
200+62		LT																									5											EXISTING 8" CGMP - REMOVE (DRIVE CULVERT)
202+83		RT		ES ES						15	56	.064				X			2																			DRIVE CULVERT
204+50	204+82	LT		RCDI						18	30		.060	.064								8.5	4.1	355	A		50											
204+75		℄		HW HW						96	80																											
204+82	205+33	LT		RCDI						18	46		.060	.064								5.5	2.8	239	A		66											96" ø (ELONGATED) CATTLE PASS, (SEE PI SHEET BR-110)
205+33		℄	89°50'LT	RCDI						18	130				III	X						11.0	4.9	433	A		88							1	I			
211+31		℄	61°17'RT	ES						30	148		.075	.079					1								74							3	II			EXISTING 15" RCP - REMOVE
212+98		℄																									10											EXISTING 24" CGMP - REMOVE
214+03		℄																										27										EXISTING 15" RCP - REMOVE
214+25		℄	44°30'LT	ES		X				36	228		.075	.079	III	X			1								140							9	II			EXISTING 36" x 36" x 45' BOX CULVERT - REMOVE
222+37		LT		ES						15	52	.064				X			1																			DRIVE CULVERT
222+40		℄																									3											EXISTING 18" CGMP - REMOVE
223+48		℄	76°07'LT	ES						18	140		.060	.064	III	X			1								52							2	I	1	1	EXISTING 18" RCP - REMOVE
226+52		LT																									4											EXISTING 15" CGMP - REMOVE
228+25		℄		ES						36	132		.105	.079	III	X			1								105							4	II			MATCH EXISTING WATER COURSE @ INLET AND OUTLET (227+50±)
228+49		℄																									72											EXISTING 30" RCP - REMOVE
238+71		℄	84°15'LT	ES						36	128		.075	.079					1								96							4	II			EXISTING 24" ACCGMP - REMOVE
240+54		℄		ES						15	48	.064				X			1								129	15										DRIVE CULVERT
243+76		℄	86°30'RT	RCDI		X				18	100		.075	.079	III	X						5.0	3.4	297	B		82							4	I			EXISTING 24" CGMP - REMOVE
248+20	249+00	LT																									9											EXISTING 12" RCP - REMOVE
249+73		℄																									28											EXISTING 15" ACCGMP - REMOVE
250+57		℄																									38											EXISTING 8' x 4' BOX CULVERT - REMOVE
250+68		℄	66°00'RT				15'-6"	9'-5"	98'-0"																													CGMPPA (SEE PI SHEET BR-120)
252+50		LT		ES	X					15	80	.064				X			1															1	I			DRIVE CULVERT
253+25		℄	63°00'RT	ES	X					30	132				III	X			1								67							4/8	I/II	1	1	MATCH EXIST. WATER COURSE W/ STONE PAD @ INLET
253+52		℄																									10											EXISTING 24" ACCGMP - REMOVE
255+80		LT		ES						15	64	.064				X			1								3											DRIVE CULVERT, EXISTING 12" CGMP - REMOVE
257+85		℄	76°51'LT	RCDI						24	120		.075	.079								4.5	2.3	200	B		93							3	II	1	1	EXISTING 15" RCP AND 24" CGMP - REMOVE
261+50		LT		ES						15	72	.064				X			1																			DRIVE CULVERT
262+11		RT																									1											EXISTING 12" CMP - REMOVE
262+68		℄	88°36'RT	RCDI						18	116		.060	.064	III	X						4.0	2.1	193	B		43							1	I	1	1	EXISTING 15" RCP - REMOVE
SUB-TOTALS																	2 2 4	10 15 20	26		4		37.9	1944	4-A / 3-B		2193	49						19 / 8.5	I / II	13	14	

PROJECT NAME U.S. ROUTE 2, MARSHFIELD
PROJECT NUMBER FEGC - F028 - 3(28)

SHEET 17 OF SHEETS