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
263+32		RT		ES						15	64	.064				X			1																			DRIVE CULVERT
263+35		RT																									3	6										EXISTING 15" CGMP W/ HW & 4'x6' HW/APRON – REMOVE
271+86		℄	86°15'LT	RCDI						18	108		.060	.064								8.0	5.3	447	2/B		56							2	II	1	1	EXISTING 15" RCP – REMOVE
275+02		℄	85°39'LT	ES						24	154		.060	.064					1								73							3	II	1	1	EXISTING 18" RCP – REMOVE
277+37		℄																									5											EXISTING 18" ACCGMP – REMOVE
277+97		℄		ES						24	96		.060	.064	III	X			1								29							4	II	1	1	
279+84		LT																																				MODIFY EXISTING 4" PVC (SEE LAYOUT SHEET)
281+30		LT																									1											EXISTING 12" CGMP – REMOVE
287+57		℄	86°44'LT	ES						30	180		.075	.079					1								35							5	II	1	1	EXISTING 18" RCP – REMOVE
291+41		LT		ES						15	64	.064							1																			DRIVE CULVERT
294+45		LT																									1											EXISTING 15" CGMP – REMOVE
294+48		LT		ES						15	60	.064				X			1																			DRIVE CULVERT
295+45		RT																																				MODIFY EXISTING 2" PVC AND 4" PIPE (SEE LAYOUT SHT.)
296+47		℄																									67											EXISTING 10' x 4.5' BOX CULVERT – REMOVE
296+55		℄	79°00'RT		X	X	12'–6"	7'–11"	90'–0"																													CGMPPA (SEE PI SHEET BR–130)
299+03		LT								15	48	.064				X																						DRIVE CULVERT CONNECTS TO D.I. ● OUTLET
299+44		℄																									1											EXISTING 18" RCP – REMOVE
299+45		℄	87°00'RT	RCDI		X				24	74		.060	.064								5.5	3.7	297	A		40							1	I	1	1	NEW REINFORCED CONCRETE HEADWALL
302+32		℄	86°45'LT	RCHW						24	68		.060	.064								4.5	3.1	246	2/A		39							4	II	1	1	EXISTING 15" RCP – REMOVE (NEW REINFORCED CONCRETE HEADWALL)
304+67		℄	86°47'RT	ES RCHW						18	70		.060	.064					1				1.8	8			20							3	II	1	1	EXISTING 18" RCP – REMOVE (NEW REINFORCED CONCRETE HEADWALL)
305+93		℄																									3											EXISTING 15" RCP – REMOVE
307+34		℄	89°37'LT	ES RCHW						30	76		.075	.079					1				2.7	8			23							4	II	1	1	EXISTING 24" RCP – REMOVE (NEW REINFORCED CONCRETE HEADWALL)
309+50		LT																									4											EXISTING 15" CGMP – REMOVE
311+95		℄	71°05'LT	ES		X				24	60		.060	.064	III	X			1								13							1	I	1	1	EXISTING 18" RCP – REMOVE
T.H. 57																																						
10+48		LT		RCDI						15	44	.064				X						4.0	2.1	193	A		27											DRIVE CULVERT
10+65	(REV) 96+07	LT		RCDI						15	52	.064				X						4.5	2.3	200	A		26											DRIVE CULVERT (REMOVE CB ● STA. 96+07,RT.)
10+75		℄		RCDI						15	56	.064				X						4.5	2.3	200	A		32											
T.H. 56																																						
20+36		℄																									14	1										EXISTING 18" RCPW/ HW ● INLET – REMOVE
20+54		℄	72°00'RT	ES RCDI						24	96		.060	.064	III	X			1								9											
T.H. 48																																						
42+44		℄																																				EXISTING 30" – REMOVE
T.H. 55																																						
52+18		RT																									3											EXISTING 15" RCP – REMOVE
52+80		RT		ES						15	68	.064				X			1								12											DRIVE CULVERT
52+82		℄																									3											EXISTING 18" ACCGMP – REMOVE
T.H. 33																																						
71+07		LT																									1											
71+12		LT		ES						15	44	.064				X			1								13											EXISTING 12" CGMP – REMOVE
																																						DRIVE CULVERT
SUB–TOTALS																			12				23.3	1599	6–A / 2–B		553	7						2 / 25	I / II	9	9	
TOTALS																	2 6 4	10 15 20	61		6		83.2	5440	19–A / 6–B		3844	120						26 / 154	I / II	35	38	

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

SHEET 18 OF SHEETS

LAST REVISED BY BJB ON 1-5-10 @ 9:10A

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