STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET 3

STATION	STATION	POS.	ASKEW NO. DEG.	PIPE ID EXISTING	PIPE ID PROPOSED	INLET/OUTLET TYPE INLET	INLET/OUTLET TYPE OUTLET	PIPE ARCH SPAN IN	PIPE ARCH RISE 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 EA	" * "	DEPTH DI FT	CONC CLASS B CY	REINF STEEL LBS	DI GRATE TYPE	CHAN ELEV EA	CRM CY	TRENCH EXCAVATION EARTH CY	TRENCH EXCAVATION ROCK CY	COMM EXC CY	UNC CHAN EXC CY	STRUCT EXCAV CY	GRAN BKFILL STRUCT CY	GRAN BORR CY	EROS MATT SY	STONE FILL CY	STONE FILL TYPE	MARKER POSTS LT EA	MARKER POSTS RT EA	REMARKS
108+66	109+29	LT		21																																				REMOVE EXISTING 18" CPEP AND HEADWALL BY COMMON EXCAVATION
109+08		LT		22																																				RETAIN EXISTING 15" CGMP & HEADWALLS
109+20	112+50	LT			36A																																			GRASS LINED TREATMENT SWALE
109+30	112+80	RT			36B																																			GRASS LINED TREATMENT SWALE
116+91	117+24	RT			37						18	32					X											17.7					2.7			1.30	I			DRIVE, STONE PAD AT INLET AND OUTLET
116+96	117+28	RT		23																								8.6												REMOVE EXISTING 12" CGMP
117+74	118+49	LT			38	CB					30	75					X				1		6.25			B(2)			99.1				39.4			2.8	II	1		CLOSED SYSTEM, STONE PAD AT OUTLET
118+20	118+46	LT		24																																				REMOVE EXISTING 15" CGMP BY COMMON EXCAVATION
118+88		C/L	36		39	CB	CB				24	90					X				1		7.33			B(2)			89.3				51.3						1	CLOSED SYSTEM
118+64		RT		25																									9.1											REMOVE EXISTING DI
119+75	120+15	LT			40						18	40					X											20.7					3.6			1.3	I			DRIVE, STONE PAD AT INLET & OUTLET
119+83	120+32	LT		26																																				REMOVE EXISTING 15" CGMP BY COMMON EXCAVATION
123+43	123+67	C/L		27																								9.4	5.2											REMOVE EXISTING 18" RCP AND DI
129+29		C/L		28																								18.9	6.1											REMOVE EXISTING 18" RCP AND DI
129+74	130+09	RT		29																																				REMOVE EXISTING 18" CGMP BY COMMON EXCAVATION
129+79	130+06	RT			41						18	27					X											13.6					2.1			0.8	I			DRIVE, STONE PAD AT INET
132+08	132+40	RT			41A						12	32					X											10.0					2.6			0.7	I			DRIVE, STONE PAD AT OUTLET
133+96	134+55	RT		30																								10.4												REMOVE EXISTING 15" CGMP
136+22		C/L		31																								16.6	5.3											REMOVE EXISTING 18" RCP AND DI
141+60	142+20	RT		32																								5.1												REMOVE EXISTING 15" CGMP
141+61	142+13	RT			42						12	52					X											21.0					4.2			1.3	I			DRIVE, STONE PAD AT INLET & OUTLET
143+20		C/L		33																								18.5	8.4											REMOVE EXISTING 18" RCP AND DI
143+80	148+30	RT			43																																			GRASS LINED TREATMENT SWALE
148+54	149+63	C/L		34																								221.1	40.0											REMOVE EXISTING 30" RCP AND HEADWALL
149+10		RT	42		44	SHW					36	144					X						5.63	814				451.4	185.0				76.7			46.3	II			STONE PAD AT INLET & OUTLET
153+30		RT		35																																				RETAIN EXISTING 24" RCP
154+90	155+05	LT			44A						18	20					X											7.5					1.3			0.8	I			DRIVE, STONE PAD AT OUTLET
156+52		C/L			45	SHW					36	68					X						5.63	807				39.5	33.7				63.8			28.2	II			STONE PAD AT INLET & OUTLET, REMOVE EXISTING 24" RCP
160+84		C/L			46	SHW					48	56					X						9.61	1179				124.5					22.5			38.6	II			TYPE II STONE PADS AT INLET AND OUTLET
161+15		C/L		36																								24.4	14.3											REMOVE EXISTING 18" RCP
SHEET - 3 SUBTOTAL											12	84					X																							
											18	119					X																							
											24	90					X				1					B(4)		1227	307.1				270.2			6.2	I	2		
											30	75					X				1															115.9	II			
											36	212					X						11.26	1600																
											48	56					X						9.61	1179																
PROJECT TOTAL											**12**	**124**					**X**																							
											18	**2024**					**X**				**11**					**A(2)**										**38.6**	**I**			
											24	**356**					**X**				**4**					**B(23)**										**266.1**	**II**			
											30	**75**					**X**				**1**							**1950**	**316**			**902**	**1117.2**			**138.2**	**III**	**20**		
											36	**212**					**X**						**11.26**	**1600**																
											48	**56**					**X**						**9.61**	**1179**																
											54	**116**					**X**						**54.29**	**10829**																
											60	**70**					**X**						**45.96**	**9675**																

PROJECT NAME:	CHARLOTTE
PROJECT NUMBER:	F EGC 019-4(20)
FILE NAME: d78d062_frm.dgn	PLOT DATE: 15-MAR-2016
PROJECT LEADER: K. UPMAL	DRAWN BY: C. LEACH
DESIGNED BY: B. KIPP	CHECKED BY: B. KIPP
DRAINAGE DETAIL SHEET 3	SHEET 28 OF 499