STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

STATION	STATION	POS.	ASKEW NO. DEG.	INLET/OUTLET TYPE INLET	INLET/OUTLET TYPE OUTLET	DITCH IN	DITCH OUT	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	PRCCDI	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
TRAIL																																											
53+42.77	53+42.77	RT/LT									18	31.6																	12.93													[1]	REMOVE EXISTING 18" DIA. CAST IRON PIPE
59+07.23	59+08.18	RT/LT									18	25																	9.29													[3]	REMOVE EXISTING 18" DIA. RCP
59+07.06	59+08.21	RT/LT				X	X				30	28					x												12.85					9.41					1	1		(5)	NEW 30" PIPE
VT 15A																																											
105+87.95	105+89.51	RT/LT									18	54																	18.87													[2]	REMOVE EXISTING 18" DIA. CGMP
107+17.58	107+31.88	RT/RT			DI	X					24	15					x												4.35					3.25						1		(1)	NEW 24" DIA. PIPE
107+33.00	- - -	RT																				X	7.3			COVER			12.05					7.66						1		MH-1	NEW 4'-0" DIA. PRECAST MAN HOLE W/ CI COVER
107+34.00	107+65.45	RT/RT		DI	DI						24	33					x												23.48					20.26								(2)	NEW 24" DIA PIPE
107+66.85	- - -	RT																				X	6.2			B			10.26					6.37						1		DI-1	NEW 4'-0" DIA PRECAST DI WITH TYPE B GRATE
107+67.88	108+46.95	RT/RT		DI			X				24	83					x												19.82					14.39			4.62	I		1		(3)	NEW 24" DIA PIPE
113+83.05	114+29.88	LT/RT				X	X				18	78.6					x												38.68					35.05			1.33	I	1	1		(6)	NEW 18" DIA PIPE
114+02.54	114+25.12	LT/RT									18	55																	38.68													[4]	REMOVE EXISTING 18" DIA. CGMP
FIELD DRIVE																																											
115+12.59	115+60.86	LT/LT				X	X				18	48.3					x												7.31					5.86			7.2	I	2			(7)	NEW 18" DIA PIPE
VT 15																																											
207+13.37	- - -	LT																					7							6												[6]	REMOVE EXISTING 4'X6' CONCRETE BOX
207+13.48	207+41.96	LT/LT									30	51.3																	22.29													[7]	REMOVE EXISTING 30" CSP
207+13.34	207+18.48	LT/LT		PIPE	DI						30	9.7					x												1.69					1.23								(8)	NEW 30" PIPE
207+19.29	- - -	LT																				X	9.4			COVER			10.85					9.96					1			MH-2	NEW 4'-0" DIA. PRECAST MAN HOLE W/ CI COVER
207+19.98	207+40.16	LT/LT		DI	HW	X					30	38.3					x												5.67					0								(9)	NEW 30" PIPE
207+34.41	207+45.41	LT/LT			PIPE	X																		4.54	662				6.11					2.5					1			HW-1	NEW STRAIGHT HEADWALL SEE STANDARD D-33
207+37.04	207+46.89	LT/LT				X																								2												[8]	REMOVE EXISTING LAID-UP GRANITE HEADWALL
TH 22																																											
12+39.28	- - -	RT			PIPE	X																X	5.3			B			7.89					5.53						1		DI-2	NEW 4'-0" DIA PRECAST DI WITH TYPE B GRATE
12+39.73	12+63.32	RT/LT		DI			X				18	47					x												22.23					20.05			8.69	I	1			(4)	NEW 18" DIA PIPE
VT 15 UNDERDRAIN																																											
206+25.00	- - -	LT																																					1			(10)	NEW FLUSHING BASIN
206+25.00	206+25.00	LT/LT		FB							6	16																	9.60													(11)	NEW CARRIER PIPE TO A FLUSHING BASIN
206+25.00	209+67.68	LT/LT									6	342.7																	137.00													(12)	NEW UNDERDRAIN PIPE
209+67.68	- - -	LT																																					1			(13)	NEW FLUSHING BASIN
209+67.68	209+67.72	LT/RT									6	75.3																														(14)	NEW CARRIER PIPE
209+67.72	209+70.87	RT/RT					X				6	8.3																														(15)	NEW CARRIER PIPE
								SUBTOTAL:				823.2										4.00		4.54	662.00				431.90	8.00				141.52			21.84		9.00	7.00			
								ROUNDING:				7.8												0.46					8.1	2.02				0.48			0.14						
								TOTAL:				831										4		5	662				440	10				142			22		9	7			

PROJECT NAME: MORRISTOWN
PROJECT NUMBER: BRS 0240(3)S/STP HES 030-2(28)

FILE NAME: s78f329drainbdr.dgn
PROJECT LEADER: C. CARLSON
DESIGNED BY: C. BURRALL
DRAINAGE DETAIL SHEET
PLOT DATE: 12-APR-2017
DRAWN BY: G. ROKES
CHECKED BY: J. LACROIX
SHEET 56 OF 175