STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET 1

STATION	STATION	POS.	PIPE NO.	INLET/OUTLET TYPE		DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS						PIPE OPTION	ES	PRC CB	PRC MH	DEPTH DI	CONC CLASS B	REINF STEEL	CB GRATE	CHAN ELEV	CRM	TRENCH EXCAVATION		COMM EXC	UNC CHAN EXC	STRUCT EXCAV	GRAN BKFILL STRUCT	GRAN BORR	PERM EROS MATT	STONE FILL		MARKER POSTS		GEOTEXT UNDER STONE FILL	REMARKS
				INLET	OUTLET	IN	OUT	SPAN	RISE	L	D	L	PCCSP	CAAP	RCP CL	CSP	CPEP SL	CPEP										EARTH	ROCK									LT	RT		
km + m	km + m							mm	mm	m	mm	m	mm	mm		mm	mm	mm		ea	ea	ea	mm	m^2	kg	type	ea	m^3	m^3	m^3	m^3	m^3	m^3	m^3	m^2	m^3	type	ea	ea	m^2	
18+390.0	18+520.0	RT	101A																										-											CONST. SWALE 1. SEE SWM DETAIL 3
18+531.0	18+531.0	LT/RT	100	CB100	CB101						450	15			III		X		2		1					E			24	-								1			
18+523.0	18+531.0	RT	101	CB101	STONE		X				450	10	1.63	1.52	III		X	X	3	1	1					E			22	3						44	I		1	147	CONST. STONE FILL, TYPE I AT OUTLET
18+531.0	18+571.0	RT	102	CB102	CB101						450	39	1.63	1.52	III		X	X	3		1					E			67	5											
18+531.0	18+625.0	LT	-																										28	-						28	I			94	CONST. STONE LINED SWALE. SEE SHEET DD-1.
18+533.0	18+520.0	LT/RT	EX401																										65	2											REMOVE EXIST. 460mm CGMP & STRUCTURE
18+571.0	18+571.0	LT/RT	103	CB103	CB102						450	6			III		X		2		1					E			11	7											
18+571.0	18+571.0	LT/RT	103A	CB103A	CB103						450	6			III		X		2		1					E			12	4											
18+571.0	18+625.0	RT	104	CB105	CB103A						450	53	1.63	1.52	III		X	X	3		1					E			107	2											
18+625.0	18+625.0	LT/RT	105	CB105	CB104						450	8			III		X		2		1					E			12	5											
18+625.0	18+672.0	RT	106	CB107	CB105						450	46	1.63	1.52	III		X	X	3		1					D			70	3											
18+672.0	18+672.0	LT/RT	107	CB106	CB107						450	8			III		X		2		1					D			17	-											
18+672.0	18+672.0	LT	108	CB108	CB107						450	3	1.63	1.52	III		X	X	3		1					E			11	-								1			
18+786.0	18+786.0	LT/RT	256	CB256	CB255						450	8			III		X		2		1					E			16	6											
18+786.0	18+835.0	RT	255	CB255	CB253						450	48	1.63	1.52	III		X	X	3		1					E			12	118											
18+835.0	18+835.0	LT/RT	254	CB254	CB253						450	8			III		X		2		1					E			7	16											
18+835.0	18+885.0	RT	253	CB253	CB252						450	49	1.63	1.52	III		X	X	3		1					E			44	99											
18+885.0	18+912.5	RT	252	CB252	CB247						450	27	1.63	1.52				X	1		1					E			59	10											
18+885.0	18+885.0	LT/RT	251	CB251	CB252						450	8			III		X		2		1					E			18	5											
18+910.0	18+912.5	RT	250	-	CB247						300	3	1.63						-										4	-											CONNECT TO EXISTING CGMP
18+912.5	18+913.7	RT	247	CB247	MH247A						450	7			III		X		2		1					E			20	4											
18+913.7	18+935.0	LT	247A	MH247A	CB246						450	21	1.63	1.52				X	1			1				COVER			42	14											
18+915.0	18+912.5	LT	248	CB248	MH247A						450	11			III		X		2		1					D			20	5								1			REMOVE EXISTING PIPE & STRUCTURE
18+914.3	18+929.0	RT/LT	EX403																										51	2											REMOVE EXISTING 460 mm CGMP & STRUCTURE
18+914.4	18+937.9	LT	EX404																										54	2											
18+935.0	18+935.0	LT/RT	246	CB245	CB246						450	8			III		X		2		1					E			15	7											REMOVE EXISTING 460 mm CGMP & STRUCTURE
18+937.9	19+029.0	LT	EX405																										192	2											
18+935.0	18+989.0	LT	245	CB246	CB244						450	54	1.63	1.52				X	1		1					E			68	28											
18+989.0	18+989.0	LT/RT	244	CB243	CB244						450	8			III		X		2		1					E			13	5											
18+989.0	19+037.0	LT	243	CB244	CB241						600	45	1.63	1.52				X	1		1					E			90	5											
19+027.0	19+030.0	LT	242	CB242	CB241						450	9	1.63	1.52	III		X	X	3		1					D			15	4											REMOVE EXISTING 310 mm CGMP & STRUCTURE
19+029.0	19+038.0	LT/RT	EX406																										16	2											
19+031.0	19+037.0	LT/RT	241	CB240	CB241						450	8			III		X		2		1					E			17	3								1			
19+037.0	19+085.0	LT	240	CB241	CB240B						600	49	1.63	1.52				X	1		1					E			68	25											
19+085.0	19+085.0	RT/LT	240A	CB240A	CB240B						450	9			III		X		2		1					D			9	11											
19+085.0	19+113.0	LT	239	CB240B	CB239						600	27	1.63	1.52				X	1		1					E			9	61											
19+113.0	19+147.3	LT	239A	CB239	CB235						600	33	1.63	1.52				X	1		1					E			29	72											
19+113.0	2+013.0	LT/RT	238	CB238	CB239						450	11			III		X		2		1					E			1	25											REMOVE EXISTING 460 mm CGMP & STRUCTURE
19+123.5	19+170.5	LT/RT	EX407																										110	2											
19+136.0	19+159.0	RT	232A	CB232A	CB232						450	23	1.63	1.52				X	1		1					E			29	30											
19+147.5	19+163.0	LT	235	CB235	CB234						600	15	1.63	1.52				X	1		1					E			39	9											

ALLOWABLE PIPE OPTIONS

- #1: CAAP, PCCSP, CPEP
- #2: RCP, CPEP(SL)
- #3: CAAP, PCCSP, RCP, CPEP, CPEP(SL)
- #4: CAAP, PCCSP, RCP

- CAAP = CORRUGATED ALUMINUM ALLOY PIPE
- CPEP = CORRUGATED POLYETHYLENE PIPE
- CPEP(SL) = CORRUGATED POLYETHYLENE PIPE- SMOOTH LINED
- PCCSP = POLYMERIC COATED CORRUGATED STEEL PIPE
- RCP = REINFORCED CONCRETE PIPE

NOTES:
1. ALL PRCCB'S AND PRCMH'S ARE 1.2 M DIAMETER UNLESS OTHERWISE NOTED.
2. ALL PIPE LENGTH SHOWN HAVE BEEN ROUNDED UP TO THE NEAREST WHOLE METER, FOR QUANTITY PURPOSES, PER SUBSECTION 601.10. ACTUAL PIPE LENGTHS, TO THE NEAREST TENTH METER, ARE SHOWN ON THE CONSTRUCTION PLANS AND DRAINAGE PROFILE SHEETS.
3. ALL TRENCH EXCAVATION EARTH OR ROCK REQUIRED FOR THE INSTALLATION OF ANY DRAINAGE PIPES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE APPROPRIATE CONTRACT PIPE ITEM.

REPLACEMENT SHEETS ISSUED 10/05/11

Stantec

PROJECT NAME: DANVILLE
PROJECT NUMBER: F EGC 028-3(32)

FILE NAME: ...\PlotFiles\015-017 drainage.ptf
DESIGN SUPERVISOR: GARY SANTY
DESIGNED BY: STANTEC
DRAINAGE DETAIL SHEET DDS-1

PLOT DATE: 10/4/2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 17 OF 306

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