STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET 2

Metric

STATION km + m	STATION km + m	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^3	kg	type	ea	m^3	m^3	m^3	m^3	m^3	m^3	m^2	m^2	m^3	type	ea	ea	m^2		
19+186.7	19+210.0	LT	233	CB234A	CB225						600	23	1.63	1.52				X	1		1					E			62	-												
19+163.0	19+185.7	LT	234	CB234	CB234A						600	22	1.63	1.52				X	1		1					E			62	-												
19+159.0	4+023.0	RT/RT	232	CB232	CB229						450	18	1.63	1.52				X	1		1					E			44	6												REMOVE EXISTING 460 mm CGMP & STRUCTURE
19+170.5	19+221.9	RT	EX408																										143	2												
19+197.0	19+215.0	RT	228A	CB228A	CB227						450	18	1.63	1.52				X	1		1					E			53	-												
19+210.0	19+231.0	LT	225	CB225	CB224						600	20	1.63	1.52				X	1		1					E			42	-												
19+215.0	5+015.0	RT	227	CB227	CB210						450	8			III		X		2		1					E			26	-												REMOVE INLET STRUCTURE
19+221.0	19+221.0	RT	EX409																										9	2												REMOVE EXISTING 460 mm CGMP & STRUCTURE
19+222.7	19+221.0	RT	EX410																										17	2												CONSTRUCT 1.5M ID CB
5+015.0	19+231.0	LT/RT	209	CB209	CB224						450	19			III		X		2		1					E			60	-												CONSTRUCT 1.5M ID CB
19+231.0	19+285.0	LT	224	CB224	CB207						750	53			III		X		2		1					E			179	-												REMOVE EXISTING 310 mm CGMP & STRUCTURE
19+230.0	19+230.0	RT	EX411																										154	2												CONSTRUCT 1.5M ID CB
19+285.0	19+285.0	LT/RT	207	CB207	CB206						750	8			III		X		2		1					E			25	-												CONSTRUCT 1.5M ID CB
19+285.0	19+344.0	RT	206	CB206	CB204						750	58			III		X		2		1					E			168	-												REMOVE EXIST 310 mm CGMP & INLET; TRENCH EXCAVATION INCIDENTIAL TO P206
19+301.3	19+392.5	RT	EX412																										-	-												
19+344.0	19+344.0	LT/RT	205	CB205	CB204						450	8			III		X		2		1					E			24	-												CONSTRUCT 1.5M ID CB
19+374.0	19+418.0	RT	204	CB204A	CB203						750	43			III		X		2		1					E			271	-												CONSTRUCT 1.5M ID CB
19+344	19+374.0	RT	204A	CB204	CB204A						750	29			III		X		2		1					E			114	-												
19+418.0	19+418.0	LT/RT	202	CB202	CB203						450	8			III		X		2		1					E			23	-												CONSTRUCT 1.5M ID CB
19+418.0	19+463.0	RT	203	CB203	CB307						750	44	2.01	1.91	III		X	X	3		1					E			427	-												REMOVE EXIST 310 CGMP & INLET TO 22m LT; TRENCH EXCAVATION INCIDENTIAL TO P201
19+421.4	19+421.4	LT	EX413																										-	-												REMOVE EXIST 600 RCP; TRENCH EXCAVATION INCIDENTIAL TO P201
19+421.4	19+421.4	LT	EX414																										-	-												CONSTRUCT STONE FILL TYPE II OUTLET
19+421.5	19+421.5	LT/RT	201	CB201	STONE						1200	24	2.77	2.67	III				4	1	1					E			81	-							3	II	1	1	4		CONSTRUCT 1.8M ID CB
19+421.5	19+421.5	LT	201A	HDWL	CB201						1200	32	2.77	2.67	III				4					7.4	535				203	-												REPLACE EXISTING PIPE AND HEADWALL
19+463.0	19+463.0	LT/RT	308	CB308	CB307						450	8			III		X		2		1					D			22	-												CONSTRUCT 1.5M ID CB
19+463.0	19+535.0	RT	307	CB307	CB305						750	71			III		X		2		1					D			421	-												CONST. STONE LINED SWALE. SEE SHEET DD-1
19+490.0	19+667.0	LT	-																										620	-							319	II			531		
19+535.0	19+535.0	LT/RT	306	CB306	CB305						450	8			III		X		2		1					E			23	-												CONSTRUCT 1.5M ID CB
19+535.0	19+605.0	RT	305	CB305	CB303						750	69			III		X		2		1					E			199	-												
19+605.0	19+605.0	LT/RT	304	CB304	CB303						450	9			III		X		2		1					E			26	-												CONSTRUCT 1.5M ID CB
19+605.0	19+646.0	RT	303	CB303	CB301						750	40			III		X		2		1					E			120	-												
19+646.0	19+646.0	LT/RT	302	CB302	CB301						450	11			III		X		2		1					E			31	-												CONSTRUCT 1.5M ID CB
19+646.0	19+658.8	RT	301	CB301	CB301A						750	13			III		X		2		1					E			79	-												CONSTRUCT 1.5M ID CB
19+658.8	19+717.7	RT	301A	CB301A	CB301B						750	58			III		X		2		1					B			344	-										1		CONSTRUCT REINFORCED CONCRETE STRAIGHT HEADWALL
19+667.8	19+690.7	LT	300	HDWL	CB300	X					600	24	1.63	1.52	III		X	X	3		1			1.3	139	B			46	-										2		CONST. STONE LINED SWALE. SEE SHEET DD-1
19+670.0	19+803.0	RT	-																										399	-							111	I			370		CONNECT TO EXISTING CGMP
19+690.7	19+691.7	LT	300A	CB300	EXIST						600	2	1.63						-										9	-												CONSTRUCT 1.5M ID CB
19+717.7	19+781.0	RT	301B	CB301B	CB314						750	63			III		X		2		1					B			369	-										1		CONSTRUCT 1.5M ID CB
19+781.0	19+794.0	RT	314	CB314	MH315						900	69			III		X		2		1					B			490	-										1		CONST. SWALE 2A. SEE SWM DETAILS 1 & 3.

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-2

PLOT DATE: 10/4/2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 18 OF 306

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