STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET 3

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			
								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^3	m^2	m^3	type	ea	ea	m^2		
19+787.0	19+803.0	RT	312																									168	-												
19+794.0	19+808.1	RT	315	MH315	POND						900	14			III		X		2	1		1				COVER		74	-							99	II		2	165	
																																									CONSTRUCT DETENTION POND OUTLET
																																									STRUCTURE. SEE SWM-2 FOR DETAILS.
19+835.0	19+865.9	RT	311	MH311	STONE		X				750	32			III		X		2	1		1		2		COVER		168	-										1		CONSTRUCT (2) ANTI-SEEP COLLARS ON P312
19+844.1	19+858.0	RT	316	-	-	X	X				450	14	1.63	1.52	III		X	X	3	2								22	-										2		CONSTRUCT REINFORCED CONCRETE STRAIGHT
19+846.0	19+866.0	RT	313	HDWL	STONE		X				900	22			III		X		2	1				4.3	364			67	-							142	II		2	237	HEADWALL. CONSTRUCT STONE FILL TYPE II AT INLET & OUTLET
																																									CONSTRUCT SWALE 2B. SEE SWM DETAILS 1 & 3
19+858.0	19+979.0	RT	317																									399	-												
1+021.0	18+915.0	RT/LT	257	CB257	CB248						450	10	1.63	1.52	III		X	X	3		1					D		31	-										1		
1+018.0	1+021.0	LT/RT	249	CB249	CB257						450	11			III		X		2		1					E		25	6									1			
2+015.0	2+015.0	RT/LT	237	CB237	CB236						450	7			III		X		2		1					D		9	16												
2+015.0	19+136.0	LT/RT	236	CB236	CB232A						450	8	1.63	1.52	III		X	X	3		1					D		14	19												
2+105.0	2+105.0	RT/LT	223	CB223	CB222						450	7			III		X		2		1					D		10	5												
2+105.0	2+135.0	LT	222	CB222	CB220						450	27	1.63	1.52	III		X	X	3		1					D		33	10												
2+135.0	2+135.0	RT/LT	221	CB221	CB220						450	7			III		X		2		1					D		15	-												
2+135.0	2+157.0	LT	220	CB220	CB218						450	21			III		X		2		1					D		39	-												
2+157.0	2+190.0	LT	218	CB218	CB217						450	32	1.63	1.52	III		X	X	3		1					D		39	17												
2+190.0	5+110.6	LT/LT	217	CB217	CB214						450	15			III		X		2		1					D		39	9												
2+208.0	5+110.6	RT/LT	216	CB216	CB214						450	8			III		X		2		1					D		14	13												
2+224.8	5+110.6	LT/LT	215	CB215	CB214						450	20	1.63	1.52	III		X	X	3		1					D		27	10												
4+015.0	19+197.0	LT/RT	228	CB228	CB228A						450	12	1.63	1.52				X	1		1					D		38	-												
4+023.0	4+015.0	RT/LT	229	CB229	CB228						450	15	1.63	1.52				X	1		1					D		57	-												
4+023.0	4+040.0	RT	230	CB230	CB229						450	16	1.63	1.52	III		X	X	3		1					E		47	10												
4+040.0	4+040.0	LT/RT	231	CB231	CB230						450	6			III		X		2		1					E		14	11												
5+015.0	5+015.0	RT/LT	210	CB210	CB209						450	5			III		X		2		1					D		15	-												
5+015.0	5+070.0	LT	211	CB211	CB209						450	55			III		X		2		1					E		102	2												
5+070.0	5+070.0	RT/LT	212	CB212	CB211						450	6			III		X		2		1					E		13	1												
5+070.0	5+089.0	LT	213	CB213	CB211						450	18	1.63	1.52	III		X	X	3		1					E		45	-												
5+089.0	5+110.6	LT	214	CB214	CB213						450	21	1.63	1.52	III		X	X	3		1					D		61	3												
PROJECT TOTALS								NO OPTION			300	3	1.63								80	2		15	1038	4-B		8483	749						0	183	I	8	13	1548	
																										22-D									563	II				
								NO OPTION			600	2	1.63													54-E														
																										3-COVER														
								PIPE OPTION 1			450	109	1.63	1.52				X		3																						
											600	94	1.63	1.52				X		-																						
																				-																					
								PIPE OPTION 2			450	435			III		X			-																						
											600	120			III		X			-																						
											750	537			III		X			1																						
											900	105			III		X			2																						
								PIPE OPTION 3			450	423	1.63	1.52	III		X	X		-																						
											600	44	1.63	1.52	III		X	X		-																						
											750	44	2.01	1.91	III		X	X		-																						
								PIPE OPTION 4			1200	56	2.77	2.67	III					1																						

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-3

PLOT DATE: 10/4/2011
DRAWN BY: STANTEC
CHECKED BY: STANTEC
SHEET 19 OF 306

10/4/2011 1:46:43 PM W:\1953\active\195300033_0192\Revised Plans\PlotFiles\015-017 drainage.ptf