STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

Metric

STATION km + m	STATION km + m	POS.	PIPE NO.	INLET/OUTLET TYPE		DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS						PIPE ELBOW	ES	CB	DI	MH		DEPTH OF STRUCT. mm	CONC. CLASS B m^3	REINF STEEL kg	CHAN ELEV ea	STRUCT. GRATE type	TRENCH EXCAVATION		COMM EXC m^3	UNC CHAN m^3	STRUCT EXCAV m^3	GRAN BKFILL m^3	600 COUPLING BANDS ea	PERM EROS MATT m^2	STONE FILL		MARKER POSTS		GEOTEXITLE UNDER STONE FILL m^2	REMARKS
				INLET	OUTLET	IN	OUT	SPAN mm	RISE mm	L m	D mm	L m	PCCSP mm	CAAP mm	RCP CL	CSP mm	CPEP SL mm	PCCSP PI mm	no. deg.	ea	ea	ea	ea		mm			ea	type	EARTH m^3	ROCK m^3					ea	m^2	VOL m^3	type	LT ea	RT ea	m^2	
PROJECT TOTALS								CPEP(SL)			450	40					X																									
								PIPE OPTION 1			450	271			III		X																									
								PIPE OPTION 2			450	37	1.63	1.52																												
								PIPE OPTION 3			450	198	1.63	1.52			X																									
								PIPE OPTION 4			450	366	1.63	1.52	III		X																									
								PIPE OPTION 1			600	125			III		X																									
								PIPE OPTION 2			600	85	1.63	1.52						1																					
								PIPE OPTION 4			600	264	1.63	1.52	III		X																									
								PIPE OPTION 2			750	203	2.01	1.91																												
								PIPE OPTION 4			750	16	1.63	1.52	III		X																									
								PIPE OPTION 2			900	34	2.01	1.91						1																					
								PIPE OPTION 2			1050	57	2.77	2.67						1																					
								PIPE OPTION 2			1200	2	2.77	2.67																												
								STRUCTURES/GRATES/FRAMES													21	38	1						20-A 20-B 9-D 8-E 3-CVR																	
																									31	2403			6779		10365		92	81			14 154	I II	18	19	218	NOT ITEM TOTALS SEE QUANTITY SHEETS

PIPE ALLOWABLE OPTIONS

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

NOTES:
1. CPEP(SL) NOT ALLOWABLE OPTION FOR PIPES OVER 900 MM DIAMETER
2. GRATES/COVER FOR CB/MH/DI ARE PAID INCIDENTAL TO THOSE STRUCTURES
3. EROS MATT COLUMN REFERS TO ITEM 653.20 TEMPORARY EROSION MATTING
4. DEPTH OF STRUCTURE IS MEASURE AS GRATE ELEV TO FINISH FLOOR
5. DROP INLETS ARE PRECAST (SEE SHEET MD-02), CATCH BASINS AND MANHOLES ARE CAST IN PLACE (REF STANDARD D-13)

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

PROJECT NAME: **BENNINGTON**
PROJECT NUMBER: **AC NH 019-1(51)**

FILE NAME: zd307c1dds.xls
PROJECT LEADER: GREG EDWARDS
DESIGNED BY: MARC FOISY
DRAINAGE DETAIL SHEET DDS-03

PLOT DATE: 2/2/2009
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 24 OF 367