STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET #3

Metric

STATION km + m	STATION km + m	POS.	ASKEW no. deg.	INLET/OUTLET TYPE INLET	INLET/OUTLET TYPE OUTLET	DITCH IN	DITCH OUT	PIPE ARCH SPAN mm	PIPE ARCH RISE mm	PIPE ARCH L m	PIPE D mm	PIPE L m	ALLOWABLE OPTIONS PCCSP mm	CAAP mm	RCP CL	CSP mm	CPEP SL mm	PCCSP PI mm	PIPE ELBOW no. deg.	ES ea	CB ea	MAN HOLE ea	PROCODI	DEPTH OF STRUCT. mm	DROP INLET CONC. CLASS B m³	DROP INLET REINF STEEL kg	CONCRETE HEADWALL CONC. CLASS B m³	CONCRETE HEADWALL REINF STEEL kg	STRUCT GRATE type	TRENCH EXCAVATION (1) EARTH m³	TRENCH EXCAVATION (1) ROCK m³	COMMV EXC m³	UNC CHAN m³	STRUCT EXCAV m³	GRAN BKFILL m³	GRAN BORR m³	EROS MATT m²	STONE FILL VOL m³	STONE FILL type	MARKER POSTS LT ea	MARKER POSTS RT ea	GEOTEXTILE UNDER SONTE FILL m²	REMARKS
EXISTING PIPES AND STRUCTURES																																										
NB 9+259	XO 1+222	LT-RT	EX700	EX700																										111.38	25.9												REMOVE EXISTING PIPE AND INLET STRUCTURE (ESTIMATED VOLUME)
NB 9+584	NB 9+660	RT-RT	EX701	EX701	EX704																									151.88	9.9												REMOVE EXISTING PIPE AND INLET STRUCTURE (ESTIMATED VOLUME)
XO 0+874	XO 0+874	RT-LT	EX702	EX702	EX703																									53.66	9.9												REMOVE EXISTING PIPE AND INLET STRUCTURE (ESTIMATED VOLUME)
NB 9+660	NB 9+660	LT-RT	EX703	EX703	EX704																									50.63	9.9												REMOVE EXISTING PIPE AND INLET STRUCTURE (ESTIMATED VOLUME)
NB 9+660	NB 9+661	RT-RT	EX704	EX704																										4.05	9.9												REMOVE INLET STRUCTURE AND PLUG EXISTING PIPE (ESTIMATED VOLUME)
UN 9+508.0		LT-RT	EX718																																								RETAIN EXISTING PIPES (2) & INLET STRUCTURES
UN 9+583.4		LT	EX719																																								RETAIN EXISTING PIPES (2) & INLET STRUCTURES
UN 9+643.3		LT	EX720																																								RETAIN EXISTING PIPES (2) & INLET STRUCTURES
UN 9+657.9		RT	EX721																																								RETAIN EXISTING PIPES (2) & INLET STRUCTURES
UN 9+686.1		RT	EX717																																				8	II			30	REMOVE 8 M OF EXISTING CULVERT. CONST STONE FILL TYPE II AT OUTLET
GG 1+293.5	GG 1+446.5	RT	EX722																																								REMOVE EXISTING PIPE AND INLET STRUCTURE
GG 1+293.5		LT-RT	EX723																																								REMOVE EXISTING PIPE AND INLET STRUCTURE
SI 1+337.0	SI 1+356.0	LT	EX724																						0.25					23.64													PLUG AND ABANDON
GG 1+466.5	GG 1+517.2	RT	EX725																																								REMOVE EXISTING PIPE AND INLET STRUCTURE, RETAIN OUTLET STRUCTURE.
PROJECT TOTATLS								PIPE OPTION 1			450	304	WITH RCP CLASS III								19	3			47.01	2391	9.75	394		7261.3	65.5	426 *		75				95	I	18	24	3364	
											450	105	WITH RCP CLASS IV																										1581	II				
								PIPE OPTION 2			450	145																																	
											600	226																															
											750	344																															
											900	270																															
											1200	46																															
								PIPE OPTION 3			450	259	WITH RCP CLASS III																																	
											450	172	WITH RCP CLASS IV																															
								PIPE OPTION 4			375	30																																	
								CAAP			1500	22																																	
								GRATES/FRAMES																																					
								SEPARATE PAYITEM																													6-A								
								COST INCLUDED WITH STRUCTURE																													10-A								
								SEPARATE PAYITEM																													15-B								
								COST INCLUDED WITH STRUCTURE																													9-B								
								SEPARATE PAYITEM																													3-D								
								COST INCLUDED WITH STRUCTURE																													0-D								
								SEPARATE PAYITEM																													0-CVR								
								COST INCLUDED WITH STRUCTURE																													3-CVR								

PIPE ALLOWABLE OPTIONS

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

NOTE: 1. CPEP(SL) NOT ALLOWABLE OPTION FOR PIPES OVER 900 MM DIAMETER
2. GRATES/COVER FOR CB/MH ARE PAID FOR UNDER THOSE STRUCTURES
3. GRATES FOR DI WILL BE PAID SEPARATELY

* FORWARD TO EARTHWORK SUMMARY

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

PROJECT NAME: **BENNINGTON**
PROJECT NUMBER: **AC NH 019-1(53)**

FILE NAME: zd307c3dds.xls
PROJECT LEADER: GREG EDWARDS
DESIGNED BY: JJS/MARC FOISY
DRAINAGE DETAIL SHEET #3

PLOT DATE: 5/29/2007
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
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