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	DMH	PRCCDI	FLOW-ABLE FILL	CONC. CLASS B	REINF STEEL	CHAN ELEV	STRUC T. GRATE	TRENCH EXCAVATION		COMM EXC	UNC CHAN	CLEAN CULVER	CLEAN CULVER	600 COUPLING BANDS	PERM EROS MATT	STONE FILL		MARKER POSTS		GEOTEXTILE UNDER STONE FILL	REMARKS
				INLET	OUTLET	IN	OUT	SPAN mm	RISE mm	L m	D mm	L m	OPTION NO	PCCSP mm	CAAP mm	RCP CL	CSP mm	CPEP SL mm	no. deg.	ea	ea	ea	ea		m^3	m^3	kg	ea	type	EARTH m^2	ROCK m^3	m^2	m^3	0-600 m	> 600 m	ea	m^2	VOL m^3	type	LT ea	RT ea	m^2	
R 1+012.9	R 1+028.3	LT	738																						14					86												REMOVE EXISTING PIPE
EB 10+442.9	EB 10+472.5	RT	739																											73	4											REMOVE EXISTING PIPE AND INLET
S 2+011.4	S 2+044.5	RT	740																											88	4											REMOVE EXISTING PIPE AND INLET
EB 10+472.5	EB 10+468.7	RT	741																											66	4											REMOVE EXISTING PIPE AND INLET
EB 10+468.7	EB 10+434.1	RT	742																											87	4											REMOVE EXISTING PIPE AND INLET
DRN 1+018.0	EB 10+469.0	RT	743																						14						4											REMOVE EXISTING INLET; PLUG, FILL AND ABANDON EXISTING PIPE
DRN 1+017.5	DRN 1+157.5	RT	744																						57						4											REMOVE EXISTING INLET; PLUG, FILL AND ABANDON EXISTING PIPE
F 1+522.0	EB 10+285.0	RT-LT	745																																169							CLEAN EXISTING CULVERT
EB 10+252.0	EB 10+248.0	RT-LT	746																						8					0	0											PLUG, FILL AND ABANDON EXISTING PIPE
EB 10+252.0	U 1+030.2	RT-LT	746A																											74	4											REMOVE EXISTING PIPE AND INLET
F 1+526.7	F 1+531.5	RT-LT	747																											49	4											REMOVE EXISTING PIPE AND INLET
F 1+467.4	F 1+471.6	RT	748																											54	4											REMOVE EXISTING PIPE AND INLET
SB 10+093.3	SB 10+114.5	RT-LT	749																						12																	PLUG, FILL & ABANDON EXISTING CULVERT
SB 10+053.2		LT	750																											48	4											REMOVE EXISTING PIPE AND INLET
SB 9+977.2		LT	751																											53	4											REMOVE EXISTING PIPE AND INLET
SB 9+916.2		LT	752																											0	4											REMOVE EXISTING PIPE AND INLET
SB 9+824.7		LT	753																											71	4											REMOVE EXISTING PIPE AND INLET
NB 9+689.2		RT	755																											47	4											REMOVE EXISTING PIPE AND INLET
NB 9+597.6		LT	756																											0	4											REMOVE EXISTING PIPE AND INLET
SB 9+764.5		LT	757																											0	4											REMOVE EXISTING PIPE AND INLET
S 1+117.0	G 2+085.8	RT	760																											64	4											REMOVE EXISTING PIPE AND INLET
G 2+084.3	G 2+085.8	RT	761																											50	4											REMOVE EXISTING PIPE AND INLET
SB 11+094.1		LT-RT	762																						9						4											REMOVE EXISTING INLET; PLUG, FILL AND ABANDON EXISTING PIPE
SB 11+312.8	SB 11+332.9	LT	765																											47	4											REMOVE EXISTING PIPE AND INLET
SB 11+332.9		RT-LT	766																											0	0											REMOVE EXISTING PIPE
SB 11+332.9	SB 11+459.9	LT	769																											222												REMOVE EXISTING PIPE, RETAIN INLET
PROJECT TOTALS								PCCSP	300	21.7		1.63							4	6	47	5	4	129	7.22	706		18-A	10216	668				459			54	I	36	29	1236	
								PCCSP	450	270.3		1.63							5									34-B									210	II				
								PCCSP	600	9.6		1.63							1									4-CVR														
								PCCSP	750	168.7		2.01							1																							
								PCCSP	900	75.5		2.01							1																							
								PCCSP	1050	1.4		2.77																														
								PCCSP	1350	2.3		2.01																														
								CPEP(SL)	450	18.9							X		1																							
								CPEP(SL)	600	63.6							X		2																							
								PIPE OPTION 1	450	484.0					III		X		10																							
								PIPE OPTION 2	450	47.8		1.63					X																									
								PIPE OPTION 3	450	892.1		1.63			III		X		7																							
								PIPE OPTION 1	600	53.8					III		X		2																							
								PIPE OPTION 3	600	177.1		1.63			III		X		2																							
								PIPE OPTION 1	750	68.4					III		X		2																							
								PIPE OPTION 1	900	29.3					III		X		1																							

• NOT AN ITEM TOTAL, REFER TO ITEM DETAIL SHEETS OF QUANTITY SUMMARIES

PIPE ALLOWABLE OPTIONS
*1: RCP, CPEP(SL)
*2: PCCSP, CPEP (SL)
*3: PCCSP, RCP, CPEP (SL)

NOTES:
1. CPEP(SL) NOT ALLOWABLE OPTION FOR PIPES OVER 900 MM DIAMETER
2. GRATES/COVER FOR CB/DMH/DI/PRCCDI ARE INCIDENTAL TO THOSE STRUCTURES
3. EROS MATT COLUMN REFERS TO ITEM 653.20 TEMPORARY EROSION MATTING
4. FOR MARKER POST PROJECT TOTAL SEE ITEM DETAIL

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

Stantec

PROJECT NAME: BENNINGTON
PROJECT NUMBER: NH 019-1(54)

FILE NAME: ...\zd307c4det_drainagedet.ptf
DESIGN SUPERVISOR: GREG EDWARDS
DESIGNED BY: MARC FOISY
DRAINAGE DETAIL SHEET DDS-05

PLOT DATE: 3/16/2010
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 22 OF 468

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