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	STRUCT. GRATE	TRENCH EXCAVATION		COMM EXC	UNC CHAN	CLEAN CULVERT	CLEAN CULVE	600 COUPLING BANDS	PERM EROS MATT	STONE FILL		MARKER POSTS		GEOTEXTILE UNDER STONE FILL	REMARKS
				INLET	OUTLET	IN	OUT	SPAN	RISE	L	D	L	OPTION	PCCSP	CAAP	RCP	CSP	CPEP SL											EARTH	ROCK				> 600			VOL		LT	RT		
km + m	km + m							mm	mm	m	mm	m	NO.	mm	mm	CL	mm	mm	no. deg	ea	ea	ea	ea		m^3	m^3	kg	ea	type	m^3	m^3	m^3	m^2	0-600 m	m	ea	m^2	m^3	type	ea	ea	m^2	
SYSTEM "3"																																										
WB 9+740.0	EB 9+700.0	LT	300	DI300	STONE						600	31.0	3	1.63		III		X		1		1						1-B	127														DI @ INLET; END SECTION @ OUTLET TO EXISTING STONE LINED DITCH
WB 9+740.0	WB 10+000.0	RT	D300																										120								120	II		2	596	STONE LINED CUT OFF SWALE, STONE FILL TYPE II, SEE NOTE 4
WB 9+740.0		LT-RT	301	D300	DI300						450	27.4	3	1.63		III		X		1									95											1		END SECTION @ INLET
SB 10+140.0		LT	302	DI302	STONE						600	8.7	1			III		X		1		1						1-B	24								7	I	1		22	DI @ INLET; END SECTION AND STONE FILL TYPE I @ OUTLET
EB 10+100.0	SB 10+140.0	RT-LT	303	DI303	DI302						450	48.1	3	1.63		III		X				1						1-B	138											1		1200 x 1200 DI @ INLET
U 1+200.0	EB 10+100.0	LT-RT	304	DI304	DI303						450	35.0	1			III		X				1						1-B	127										1			1200 x 1200 DI @ INLET
U 1+200.0	U 1+275.0	LT	305	DI305	DI304						450	74.2	1			III		X				1						1-B	112										1			1200 x 1200 DI @ INLET
SB 10+060.0		RT-LT	CV306	DITCH	STONE						450	51.3	1			III		X		2									290								1	II	1	1	5	END SECTION @ INLET; END SECTION AND STONE FILL TYPE II @ OUTLET
SB 10+065.0		LT	307	PRCCDI307	STONE						300	6.9	-	1.63						1				1					25								5	II	1		25	PRCCDI @ INLET; END SECTION AND STONE FILL TYPE II @ OUTLET
SB 9+990.0		LT	308	PRCCDI308	STONE						300	3.8	-	1.63						1				1					19								6	II	1		35	PRCCDI @ INLET; END SECTION AND STONE FILL TYPE II @ OUTLET
SB 9+915.0		LT	309	PRCCDI309	STONE						300	5.6	-	1.63						1				1					41								8	II	1		41	PRCCDI @ INLET; END SECTION AND STONE FILL TYPE II @ OUTLET
SB 9+840.0		LT	310	PRCCDI310	STONE						300	5.5	-	1.63						1				1					49								9	II	1		45	PRCCDI @ INLET; END SECTION AND STONE FILL TYPE II @ OUTLET
SB 9+765.0		LT	311	DI311	STONE						450	8.9	-	1.63						1		1						1-B	44								13	II	1		53	DI @ INLET; END SECTION AND STONE FILL TYPE II @ OUTLET
SB 9+765.0		RT-LT	312	DI312	DI311						450	11.6	3	1.63		III		X				1						1-B	20													1200 x 1200 DI @ INLET
NB 9+760.0		RT	313	DI313	STONE						450	8.1	3	1.63		III		X		1		1						1-B	19								4	I		1	18	1200 x 1200 DI @ INLET; END SECTION AND STONE FILL TYPE I @ OUTLET
NB 9+760.0		LT-RT	314	DI314	DI313						450	7.6	1			III		X				1						1-B	14													1200 x 1200 DI @ INLET
L 1+110.0		RT-LT	315	DI315	STONE						450	14.8	1			III		X		1		1						1-B	27								4	I	1		18	1200 x 1200 DI @ INLET; END SECTION AND STONE FILL TYPE I AT OUTLET
L 1+185.0		RT-LT	316	DI316	STONE						450	13.7	1			III		X		1		1						1-B	37								4	I	1		18	1200 x 1200 DI @ INLET; END SECTION AND STONE FILL TYPE I AT OUTLET
SB 9+820.0	SB 9+833.0	LT	317T	318T							450	11.4	1			III		X																								TEMPORARY PIPE FOR SEDIMENT BAIN #3A
SB 9+833.0		LT	318T	BASIN	318T						750	1.4	1			III		X																								TEMPORARY RISER FOR SEDIMENT BASIN #1A
EXISTING PIPES																																									
G 1+677.6		LT-RT	140																						2					4												REMOVE EXISTING INLET; PLUG, FILL AND ABANDON EXISTING PIPE
WB 9+661.2	WB 9+724.8	RT	700																										148												REMOVE REMAINING PIPE
WB 9+724.8	WB 9+792.9	RT	701																										167	4											REMOVE EXISTING PIPE AND INLET
WB 9+790.3	WB 9+792.9	LT-RT	702																										110	4											REMOVE EXISTING PIPE AND INLET
WB 9+792.9	WB 9+862.6	RT	703																										0	0											ABANDON EXISTING PIPE AND INLET
WB 9+863.9	WB 9+862.6	RT	704																										0	0											ABANDON EXISTING PIPE AND INLET
WB 9+862.6	WB 9+928.4	RT	705																										0	0											ABANDON EXISTING PIPE AND INLET
WB 9+928.4	WB 10+040.4	RT	706																										0	0											ABANDON EXISTING PIPE AND INLET
SEE DRAINAGE DETAIL SHEET 5 FOR ALL TOTALS																																									

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/MH/DI/PRCCDI ARE PAID UNDER THOSE STRUCTURES
3. EROS MATT COLUMN REFERS TO ITEM 653.20 TEMPORARY EROSION MATTING
4. D300 IS TO BE CONSTRUCTED ONLY IF THE OPTIONAL WASTE AREA IS USED

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-03

PLOT DATE: 1/26/2010
DRAWN BY: STANTEC
CHECKED BY: GARY SANTY
SHEET 20 OF 468

1/26/2010 4:45:58 PM V:\1951\active\95300021\transportation\drawing\contract 4\plot_files\zd307c4det_drainagedet.ptf