STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

Metric

STATION	STATION	POS.	ASKEW	INLET/OUTLET TYPE		DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS						PIPE ELBOW	ES	CB	PROJ	DEPTH DI	CONC CLASS B	REINF STEEL	DI GRATE	CHAN ELEV	CRM	TRENCH EXCAVATION		COMM EXC	UNC CHAN EXC	STRUCT EXCAV	GRAN BKFILL STRUCT	GRAN BORR	EROS MATT	STONE FILL		MARKER POSTS				REMARKS
km + m	km + m		no. deg.	INLET	OUTLET	IN	OUT	SPAN mm	RISE mm	L m	D mm	L m	PCCSP mm	CAAP mm	RCP CL	CSP mm	CPEP mm	PCCSP PI mm	no. deg.	ea	ea		DI mm	B m^3	kg	type	ea	m^3	EARTH m^3	ROCK m^3	m^3	m^3	m^3	m^3	m^2	m^3	m^2	m^2	type	LT ea	RT ea			
1+102.500	1+113.300	LT-RT		DI	DI						450	16.00	X	X			X						1050	1.65	80	E			5.00					4.00								1	NEW 450mm X 16.00m OPTION PIPE
																																											NEW 1200 X 1200 RCDI @ INLET
																																											REMOVE EXISTING PIPE AND RCDI
1+113.300	1+157.400	RT-RT		DI	DI						450	44.50	X	X			X						1350	1.95	95	E			5.00					6.00								2	NEW 450mm X 44.50m OPTION PIPE
																																											NEW 1200 X 1200 RCDI @ INLET
1+160.000		LT-RT		DI	DI						450	7.50	X	X			X						1200	1.80	90	E			22.00					4.00								3	NEW 450mm X 7.50m OPTION PIPE
																																											NEW 1200 X 1200 RCDI @ INLET
																																											REMOVE EXISTING 310mm RCP
																																											REMOVE EXISTING DI'S LT & RT (2)
1+157.400	1+160.00	RT-RT		DI	DI						450	5.50	X	X			X						1350	1.95	95	E			27.00					6.00								4	NEW 450mm X 5.50m OPTION PIPE
																																											NEW 1200 X 1200 RCDI @ INLET
																																											REMOVE EXISTING 380mm RCP
1+157.400	1+174.500	RT-RT		DI	DI						450	18.50	X						20				2400	3.50	170	A			31.00				5.00	8.00								5	NEW 450mm X 18.50m PCCSP W/ (2) 20 DEG ELBOWS
																																											NEW 1200 X 1200 RCDI @ INLET (SOLID COVER)
																																											REMOVE EXISTING DI (1)
1+174.000		RT																																10.00								6	REMOVE EXISTING DI AND PIPES. EXISTING
																																											OUTLET PIPE UNDER RAIL ROAD TRACKS MAY BE
																																											USED TO CONTROL DRAINAGE UNTIL PERMANENT
																																											SYSTEM IS IN PLACE. THE OLD PIPE SHALL BE
																																											FILLED AND CAPPED AFTER IT IS OUT OF SERVICE.
																																											SEE SPECIAL PROVISIONS FOR FILL REQUIREMENTS.
1+168.000		RT																																									7	REMOVE 2 EXISTING DI'S AND ALL CPEP
																																											CONSTRUCTED IN CONTRACT NO. 1
1+175.100	1+191.100	RT-RT		DI	STONE						600	18.00	X																														8	NEW 600mm PCCSP (INSTALLED BY OTHERS)
																																											PIPE OUTLET ON STONE
																																											NEW 1200 X 1200 RCDI @ INLET (BY OTHERS)
1+236.600		LT																																									9	CAP EXISTING DI
1+241.200	1+252.000	LT-RT		DI	DI						450	28.00	X	X			X						1800	2.50	120	E			30.00					6.00								10	NEW 450mm X 28.00m OPTION PIPE
																																											NEW 1200 X 1200 RCDI @ INLET
1+245.800		LT			PIPE																						1																11	CHANGE ELEVATION OF EXISTING DI
1+245.000	1+255.000	RT-RT		DI																																						12	REMOVE EXISTING DI AND 380mm CGMP
1+245.000	1+252.000	RT-RT		DI							450	22.50	X	X			X						3000	3.80	200	E			49.00					8.00								13	NEW 450mm X 22.50m OPTION PIPE
																																											NEW 1200 X 1200 RCDI @ INLET
																																											OUTLET ON STONE FILL
1+261.000	1+271.000	RT-RT		DI																																						14	REMOVE EXISTING DI AND 450mm CPEP
1+288.750		RT																									1																15	CHANGE ELEVATION OF EXISTING DI
1+288.750		LT																									1																16	CHANGE ELEVATION OF EXISTING DI
3+018.000	3+037.000	LT-LT				X	X																																			17	GRASS SWALE @ BETHEL MILLS DRIVE LEFT
																																											GRADE AS REQUIRED AROUND SHED
1+050.300		RT																																									18	CAP EXISTING RCDI

PROJECT NAME:	**BETHEL**
PROJECT NUMBER:	**BRF 0241 (33) C/2**
FILE NAME: **sc180dds.xls**	PLOT DATE: **2/1/2005**
PROJECT MANAGER: **C. P. WILLIAMS**	DRAWN BY: **J. L. SCHULTZ**
DESIGNED BY: **J. L. SCHULTZ**	CHECKED BY: **K. M. HIGGINS**
DRAINAGE DETAIL SHEET #1	SHEET **18** OF **130**