STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

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	ALLOWABLE OPTIONS CAAP mm	ALLOWABLE OPTIONS RCP CL	ALLOWABLE OPTIONS CSP mm	ALLOWABLE OPTIONS CPEP mm	ALLOWABLE OPTIONS PCCSP PI mm	PIPE ELBOW no. deg.	ES ea	CB ea	PROCEDI	DEPTH DI mm	CONC CLASS B m^3	REINF STEEL kg	DI GRATE type	CHAN ELEV ea	CRM m^2	TRENCH EXCAVATION EARTH m^3	TRENCH EXCAVATION ROCK m^3	COMM EXC m^3	UNC CHAN EXC m^3	STRUCT EXCAV m^3	GRAN BKFILL STRUCT m^3	GRAN BORR m^3	EROS MATT m^2	STONE FILL m^3	STONE FILL type	MARKER POSTS LT ea	MARKER POSTS RT ea		Drainage Flag	REMARKS
1+062.800	1+064.400	LT - RT		DI	DITCH		X																													X ✓	X ✓		1	LINE EXISTING 460 PIPE ✓
																																									ITEM 575.20 CULVERT LINING (450 w/ PVC LINER)
1+064.400		RT		PIPE																							3.6						3.6 ~~6~~	II				2	NEW STONE FILL TYPE II LINED DITCH ✓
1+062.800		LT		DITCH	PIPE	X																																	3	~~REHABILITATE DROP INLET~~
																																								~~ITEM 604.415 REHABING DI CB OR MH CLASS II~~
1+120.000		LT			PIPE																		~~900~~ 1200	~~1.22~~ 1.55	~~67~~ 86	E ✓			~~2~~ 4.4												4	NEW 1200 X 1200 CAST IN PLACE CONCRETE DI ✓
1+120.000		LT		DI	DITCH		X				✓ 450	~~6.10~~ 7.30	~~2.01~~	~~2.67~~				X ✓											~~1~~ 1.6									X ✓		5	NEW 450 OPTION PIPE ✓
3+166.000		RT		PIPE																									5.8											6	NEW STONE FILL ~~TYPE IV~~ LINED DITCH TYPE II ✓
1+144.600	3+166.000	LT - RT		PIPE	DITCH		X																													~~5.8~~ 10	~~IV~~ II		X		7	LINE EXISTING 610 PIPE ✓
																																									ITEM 575.20 CULVERT LINING (600 w/ PVC LINER)
1+144.600	1+146.000	LT		DITCH	PIPE	X					✓ 600	~~3.0~~ 2.2	2.01 ✓																~~2~~									X ✓		8	NEW 600 PCCSP PIPE ✓
1+144.000	1+234.700	LT		PIPE	PIPE																													OTY INCLUDED W/ SECTIONS		143	II				9	NEW STONE FILL TYPE II LINED DITCH ✓
1+177.800		LT			PIPE																		~~1800~~ 2250	~~1.87~~ 2.68	~~103~~ 141	E ✓			~~1~~ 3.7												10	NEW 1200 X 1200 CAST IN PLACE CONCRETE DI ✓
1+177.800		LT		DI	DITCH		X				✓ 450	~~10.30~~ 11.70	~~2.01~~	~~2.67~~				X ✓	1 - 33 1 - 25																				X ✓		11	NEW 450 OPTION PIPE ✓
1+200.400		LT																																						12	REMOVE EXISTING DI & 380 PIPE ✓
1+246.000		LT			PIPE																		~~1500~~ 1950	~~1.87~~ 2.36	~~103~~ 124	E ✓																13	NEW 1200 X 1200 CAST IN PLACE CONCRETE DI ✓
1+246.000		LT		DI	DITCH		X				✓ 450	~~11.36~~ 11.00	~~2.01~~	~~2.67~~				X ✓	1 - 33 1 - 20																				X ✓		14	NEW 450 OPTION PIPE ✓
1+336.000	1+375.000	LT		DITCH	DITCH	X	X				600	~~36.60~~ 40.00						X ✓											~~145~~	125									X		15	NEW 600 CPEP PIPE ✓
I+ 316.0	I+ 337.6	LT									600	23.94						x																							15A	NEW 600 CPEP PIPE
1+285.000	1+317.000	LT		PIPE	PIPE																																					16	NEW STONE FILL TYPE II LINED DITCH ✓
1+293.000	1+296.200	RT - LT		DITCH	DITCH	X	X				✓ 1200	18.00	~~2.77~~ ✓	~~2.67~~										~~5.2~~ 5.9	~~88~~ ✓ + 37.6				~~4~~ 15.5												17	NEW 1200 OPTION PIPE WITH CRADDLE ✓
																																									HEADWALL AT INLET AND OUTLET
3+327.600	3+329.500	LT		PIPE																									13.76					~~62~~ 13.76	IV					18	NEW STONE FILL TYPE IV LINED DITCH ✓
1+293.000	1+299.200	LT - RT																																							19	FILL EXISTING 600 X 1000 PIPE ✓
																																									ITEM 501.31 CONCRETE CLASS D (MOD)
1+316.000		RT			PIPE																		~~1500~~ 1750	~~1.87~~ 2.20	~~103~~ 120	E ✓																20	NEW 1200 X 1200 CAST IN PLACE CONCRETE DI ✓
																																						X			I+ 315 LT UNDERDRAIN OUTLET ✓
1+316.000		RT - LT		DI	DITCH		X				✓ 450	~~20.39~~ 22.30	~~2.01~~	~~2.67~~				X ✓	1-30																				X ✓		21	NEW 450 OPTION PIPE ✓
																			1-25					~~1.66~~	~~89~~	D ✓												X			I+ 339 LT JUNCTION BOX PIPE 15 & 15A
1+384.500		RT			PIPE																		~~1500~~ 2250	~~1.87~~ 2.68	~~103~~ 141	E ✓																22	NEW 1200 X 1200 CAST IN PLACE CONCRETE DI ✓
1+384.000	1+384.500	RT		DI	DI						✓ 450	~~23.00~~ 30.80	~~2.01~~	~~2.67~~				X ✓	1 - 33 1 - 33																							23	NEW 450 OPTION PIPE ✓
1+384.000		RT		PIPE	PIPE																		2400	3.76	198	2-D			19	18.4									X ✓		24	~~NEW 1200 X 1800 CAST IN PLACE CONCRETE DI~~ ~~PRECAST 1524mm~~ ✓
																								PRECAST DI SEE C.O. #4 DATED 5-16-03																		
1+384.000		RT			DI																																~~4.8~~	~~11~~	II			25	NEW STONE FILL TYPE II LINED DITCH ✓
1+348.000	1+384.000	RT		DI	DITCH		X																															X	~~X~~		26	LINE EXISTING 910 PIPE ✓
1+380.000	1+414.000	RT																																								ITEM 575.20 CULVERT LINING ✓
																																									(900 w/ GROUTED 600 PEP LINER)
1+392.000	1+408.000	RT - LT		DITCH	DITCH	X	X																																		27	ABANDON EXISTING 310 X 310 PIPE ✓
1+460.000	1+520.400	LT			PIPE																																~~96.0~~	~~88~~	II			28	FILL EXISTING 910 X 910 CONCRETE BOX ✓
																																									ITEM 501.31 CONCRETE CLASS D (MOD)
1+518.000	1+518.600	LT - RT		DITCH		X																																		29	NEW STONE FILL TYPE II LINED DITCH ✓
1+517.400	1+518.000	LT - RT																																							30	~~REMOVE EXISTING 450 PIPE~~
1+517.400	1+518.000	LT - RT		DITCH	DITCH	X	X				450	18.30	2.01	2.67				X											~~5~~									X ✓	X ✓	31	~~NEW 450 OPTION PIPE~~
1+518.000		RT		PIPE																									18.0					~~18.0~~ 10	II				32	NEW STONE FILL TYPE II LINED DITCH ✓
3+281.200		LT - RT		DITCH		X																																	X		33	~~CLEAN EXISTING 380 PIPE~~
																																									~~ITEM 603.905 CLEANING CULVERT PIPE IN PLACE~~
3+410.000		LT																																							34	FILL REMAINING AREA IN EXISTING 610X460 ✓
																																									STONE BOX ITEM 501.31 CONCRETE CLASS D (MOD)
3+380.000	3+382.000	LT																											34.0					~~39.7~~ 2	II				35	NEW STONE FILL TYPE II LINED DITCH ✓
1+120.000		LT																											6.3					~~9.42~~ 2	II				36	NEW STONE FILL TYPE II LINED DITCH ✓
																																						X			I+ 430 LT UNDERDRAIN FLUSHING BASIN ✓
																			450mm																			X			I+ 355 RT UNDERDRAIN FLUSHING BASIN ✓
				TOTALS							460	~~101.4~~ 17.2	2.01	2.67				X	4-33 ✓					17.66	765	S-E ✓			171									X			
											600	~~2.2~~ 3.0	2.01						2-25 ✓					19.03	827	2-D			368					131.76	72	IV	X 14			
											600	~~40~~ 60.54						X	1-20 ✓																					
											1200	18 ✓	2.77	1.91	V				1-30 ✓																					

SEE SPECIAL PROVISIONS FOR ITEM MODIFICATION INFORMATION

ARCHIVED ON CADD

PROJECT NAME:	Barton
PROJECT NUMBER:	STP 0113(58)S
FILE NAME:	sc11ddds.xls
PROJECT LEADER:	C.P. Williams
DESIGNED BY:	W.B. Symonds
DRAWING DETAIL SHEET	
PLOT DATE:	11/1/01
DRAWN BY:	R.G. YOUNG
CHECKED BY:	W.B. Symonds
SHEET	46 OF 120