STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

Metric

STATION km + m	STATION km + m	POS.	ASKEW no. deg.	INLET/OUTLET TYPE INLET	OUTLET	DITCH IN	OUT	PIPE ARCH SPAN mm	RISE mm	L m	PIPE D mm	L m	ALLOWABLE OPTIONS PCCSP mm	CAAP mm	RCP CL	CSP mm	CPEP SL mm	PCCSP PI mm	PIPE ELBOW no. deg.	ES ea	PRCC size	PRCMH size	DEPTH DI mm	CONC CLASS B m^3	REINF STEEL kg	DI GRATE type	CHAN ELEV ea	CRM m^3	TRENCH EXCAVATION EARTH m^3	ROCK m^3	CHAN EXC m^3	CHAN EXC ROCK m^3	STRUCT EXCAV m^3	GRAN BKFILL STRUCT m^3	GRAN BORR m^3	EROS MATT m^2	STONE FILL m^3	type	MARKER POSTS LT ea	RT ea	RELAY PIPE m		REMARKS
30+089	30+089	RT/LT		1.2m CB	1.2m CB						450	17.0	X	X	III		X				1.2					D			69.95					3.43									
30+089	30+151	LT		1.2m CB	1.8m CB						450	60.9			III		X				1.2					D			250.65					12.85							2.4		RELAY 2.4m x 450 mm RCP, NEW PRCCB TO INTERCEPT EXIST CULVERT FROM STA 30+045 LT
30+151	30+151	RT/LT		1.2m CB	1.8m CB						450	8.5	X	X	III		X				1.2					E			14.89					1.46									
30+151		LT		1.2m CB	1.8m CB						450	1.5	X	X	III		X				1.2					A			12.02											1			
30+147		LT																																			4.80	I					DITCH
30+148	30+148	LT		1.5m MH	1.5m MH						750	2.4			III		X					1.5							5.99				37.42	0.31					1		2.4		RELAY 2.4m x 525 mm RCP, NEW PRCMH TO INTERCEPT EXIST CULVERT FROM STA 30+148 LT
30+148	30+148	RT/LT		1.5m MH	1.8m MH						750	21.7			III		X					1.5							99.18				34.02	5.09								
30+148	30+210	RT		1.8m MH	1.5m MH						750	60.4			III		X					1.8							465.00				54.10	15.24						1		
30+151	30+180	LT		1.8m CB	1.5m CB						750	27	X	X							1.8					E			62.62				21.64	6.48								
30+180	30+180	RT/LT		1.2m CB	1.5m CB						450	14.7	X	X	III		X				1.2					E			26.28					2.81								
30+180	30+180	RT		1.2m CB	1.2m CB						300	3.5	X	X	III		X				1.2					A			12.55					0.44						1		
30+180		LT		1.2m CB	1.5m CB						450	1.5	X	X	III		X				1.2					A			9.90											1		
30+180	30+250	LT		1.5m CB	1.8m CB						750	68.5	X	X							1.5					E			107.95	59.97			20.41	17.37								
30+210	30+265	RT		1.5m MH	1.5m MH						750	53.8	X	X								1.5							55.30	66.36			20.41	13.51						1		
30+250	30+250	RT		1.2m CB	1.2m CB						300	3.5	X	X	III		X				1.2					A			4.47	12.24				0.44						1		
30+250	30+250	RT/LT		1.2m CB	1.8m CB						450	11.2	X	X	III		X				1.2					E				26.18				2.04								
30+250		LT		1.2m CB	1.8m CB						450	1.5	X	X	III		X				1.2					A				11.31										1		
30+250	30+285	LT		1.8m CB	1.5m CB						900	33.5	X	X							1.8					E				91.81			27.05	8.88								
30+265	30+323	RT		1.5m MH	1.5m MH						750	56.5	X	X								1.5								128.10			23.82	14.23						1		
30+285	30+326	LT		1.5m CB	2.1m CB						900	39.3			III		X				1.5					D				131.64			23.82	10.53								
30+323	A 203+52	RT		1.5m MH	DITCH						750	38.6			III		X			1		1.5								339.20			40.83	9.83						1		
30+326		LT		1.2m CB	2.1m CB						450	1.5	X	X	III		X				1.2					A				13.43										1		
30+326	30+326	LT/RT		2.1m CB	1.8m CB						900	9.2			III		X				2.1					D				28.21			33.40	1.95								
30+326		RT		1.8m CB	1.8m CB						900	14.4			III		X				1.8					D			13.74	70.40			31.11	3.43						1		
30+337	5+016	LT		1.2m CB	1.2m CB						450	8.8	X	X	III		X				1.2					A			23.97					1.64								
30+326	30+337	LT		1.2m CB	2.1m CB						450	9.0	X	X	III		X				1.2					D				21.98				1.58								
30+326	30+337	RT		1.2m CB	1.8m CB						450	9.2	X	X	III		X				1.2					D				22.36				1.62								
30+326	30+338	RT		1.8m CB	2.7x2.4						900	9.7			III		X				1.8					A			5.59	54.11			45.99	2.09						1		
30+338	30+339	RT		2.7x2.4	DSD						600	5.1			III		X												6.00	54.32				1.80								
30+338	A 203+43	RT		2.7x2.4	1.5x1.5						900	3.4			III		X					X							2.72	24.58				0.82								PRCMH AT INLET (2.7mx2.4m) WITH CI COVER
30+339	A 203+43	RT		DSD	1.5x1.5						750	4.8			III		X												8.68	38.84			106.4	1.30								INSTALL DOWNSTREAM DEFENDER AT INLET
A 203+43	A 203+52	RT		1.5x1.5	DITCH						900	9.7			III		X			1		X							14.23	63.67			39.49	2.13								PRCMH AT INLET (1.5mx1.5m) WITH CI COVER
30+180	30+220	LT																																		18.60	I					DITCH
A 203+53.5	A 203+72	RT																												129.3	289.3					119.10	IV					DITCH
30+130	30+300	RT/LT																										131.4	57.00							188.40	I					EXCAV FOR STONE FILL CL I IN DITCHES
				14	1.2m CB																																					
				2	1.5m CB						300	7.0	X	X	III		X																										
				4	1.8m CB						450	84.4	X	X	III		X																										
				1	2.1m CB						450	60.9			III		X																										
				5	1.5m MH						600	5.1			III		X																										
				1	1.8m MH						750	205.8	X	X																													
				1	1.5x1.5						750	127.9			III		X																										
				1	2.7x2.4						900	33.5	X	X																													
				1	DSD						900	85.7			III		X			2									1407.9	1315.7	129.3	289.3	559.9	143.3			211.8	I					
																																				119.1	IV	5	8	4.8		

PROJECT NAME:	BRATTLEBORO
PROJECT NUMBER:	NH 010-2(2)
FILE NAME:	zb270dds.xls
PROJECT LEADER:	W HUSBAND
DESIGNED BY:	P SHEDD
DRAINAGE DETAIL SHEET #1	
PLOT DATE:	1/17/2002
DRAWN BY:	P SHEDD
CHECKED BY:	J WARNER
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