STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET 3

Metric

STATION	STATION	POS.	PIPE ID NUMBER	INLET/OUTLET TYPE		DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS					PIPE ELBOW	ES	CB	PRECAST	DEPTH CB	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		GEO UNDER SF		REMARKS
				INLET	OUTLET	IN	OUT	SPAN	RISE	L	D	L	PCCSP	CAAP	RCP CL	CSP	CPEP SL	PCCSP PJ										EARTH	ROCK									LT	RT			
km + m	km + m							mm	mm	m	mm	m	mm	mm		mm		mm	no. deg.	ea	ea		m	m³	kg	type	ea	m²	m³	m³	m²	m²	m³	m²	m²	m³	type	ea	ea	m²		
19+595.0	19+595.0	C/L	h1-1	PRCCB							450	19.9			III		X			1.5		1.8			1-D		47.5					4.7			0.80	I	1		5.4		
19+669.6	19+671.3	RT	h2	PRCCB							450	1.2	1.63							1.2		1.7			1-A		12.2					0.3									CONNECT TO EXISTING PIPE / 300 mm DITCH CHECK
19+711.5	19+711.5	LT	h3	EX PIPE	SHW						900	11.0			III								4.30	363.0			71.3	4.5				3.5			8.70	III	1	1	25.9		REPLACE LAST 5 SECTIONS
19+733.0	19+745.0	RT	h4-3	PRCCB							600	13.5	1.63	1.52				2-10		1.2		2.2			1-Cover		53.6					3.5			9.00	II		1	32.9		
19+745.0	19+760.0	RT	h4-2	STS							300	14.5	1.63	1.52	III		X					1.8					47.0					3.0									1.2 m SW TREATMENT STR. 200 mm D/V. PIPE INCID.
19+745.0	19+760.0	RT	h4-1	PRCCB							450	13.8	1.63	1.52						1.5		1.9			2-A		44.6					3.3									300 mm DITCH CHECK
19+808.3	19+831.3	RT	dr19826	ES	ES						600	23.0	1.63	1.52	III		X		2								39.9					6.0						2			
19+824.3	19+833.0	RT	ex19830																								3.6														REMOVE
20+006.5	20+011.6	LT	ex20010																								2.4														REMOVE
20+061.0	20+074.6	LT/RT	ex20068																								11.9	5.0													REMOVE
2+015.0	20+102.0	LT	i1-1	PRCCB	ES						750	26.8			III		X		1	1.5		2.3			2-A		136.4					7.8					1				
20+102.0	20+120.0	LT/RT	i1-2	PRCCB							750	31.0			III		X			1.5		1.7			2-A		123.4	0.9				9.1									450 mm DITCH CHECK
20+120.0	20+180.0	RT	i1-3	PRCCB							600	56.0			III		X			1.5		2.8			2-A		174.2					14.7									
20+170.2	20+177.0	RT	ex20172																								0.3														REMOVE
20+170.0	20+182.7	RT/LT	ex20177																								18.6														REMOVE
20+235.6	20+280.0	LT	20280	PRCCB	ES						375	43.9			III		X		1	1.2		1.6			1-A		91.4					9.9			0.40	I	1		2.9		
20+320.0	20+347.0	RT/LT	i3-1	PRCCB	ES						450	33.0	1.63	1.52	III		X		1	1.2		1.5			1-A		46.6					7.8						1			
20+326.4	20+345.6	RT/LT	ex20336																																						REMOVE
20+347.0	20+410.0	LT	i3-2	PRCCB							375	61.6	1.63	1.52	III		X			1.2		1.4			1-B		162.5					13.9									
20+724.2	20+755.0	RT	j1-5	PRCCB							450	30.1	1.63	1.52	III		X			1.2		1.8			1-D		69.1	8.5				7.1									
20+755.0	20+781.5	RT	j1-5a	PRCCB							450	24.9	1.63	1.52	III		X			1.2		1.8			1-A		82.9					5.9									200 mm DITCH CHECK
20+730.0	20+780.0	LT	j1-5x	PRCCB							450	47.8	1.63	1.52	III		X			1.5		1.8			2-A		153.0	11.0				11.3									
20+780.0	20+781.5	LT/RT	j1-4x	PRCCB							450	12.4			III		X			1.5		1.6			1-A		34.5					2.9									
20+781.5	20+820.0	RT	j1-4	PRCCB							600	37.3	1.63	1.52	III		X			1.2		2.2			1-B		184.8					9.8									
20+820.0	20+850.0	RT	j1-3	PRCCB							600	28.7	1.63	1.52	III		X			1.2		2.2			1-COVER		125.5					7.5									
20+850.0	20+879.5	RT	j1-2x	PRCCB							450	28.6	1.63	1.52	III		X			1.5		1.5			1-COVER		72.8					6.8									CONNECT TO EXISTING DI
	SUBTOTALS SHEET 3										300	14.5	1.63	1.52	III		X			-			4.30	363.0	-		1810.0	29.9				138.8			1.2	I	4	5	67.1		
											375	61.6	1.63	1.52	III		X			-	-				-	-									9.0	II					
											375	43.9			III		X		1	9	1.2				15	A									8.7	III					
											450	164.4	1.63	1.52	III		X		1	8	1.5				2	B														
											450	1.2	1.63								1.8				2	D														
											450	13.8	1.63	1.52							2.1					E														
											450	32.3			III		X				2.4				3	COVER														
											600	89.0	1.63	1.52	III		X		2							STEEL														
											600	13.5	1.63	1.52				2																						
											600	56.0			III		X																							
											750	57.8			III		X		1																					
											900	11.0			III																									
	PROJECT TOTALS										300	14.5	1.63	1.52	III		X						40.50	3143.0	-		6434.2	46.9		7.2	130.7	499.9			2.5	I	27	21	299.8		
											375	86.0	1.63	1.52	III		X		4	-	-				-	-									36.6	II					
											375	176.1			III		X		2	33	1.2				38	A									72.7	III					
											375	12.2			III	1.63	X		2	14	1.5				2	B														
											375	27.7			IV				4	3	1.8				11	D														
											375	24.3			IV	1.63	X		4	1	2.1					E														
											450	574.8	1.63	1.52	III		X		4		2.4				7	COVER														
											450	23.7	1.63												3	STEEL														
											450	13.8	1.63	1.52				2																						
											450	277.2			III		X																							
											450	11.3			IV		X		2																					
											525	64.7			III																									
											600	95.1	1.63	1.52	III		X		3																					
											600	13.5	1.63	1.52				2																						
											600	167.0			III		X																							
											750	80.9	2.01	1.91	III		X		1																					
											750	31.5	2.01	1.91					1																					
											750	57.8			III		X		1																					
											750	3.6			IV																									
											900	71.6			III		X																							
											900	11.0			III																									
											1050	18.8	2.77	2.67																										
											1050	20.0			III																									
											1200	60.3	2.77	2.67																									
								875	600	21.6			2.01	1.91					1																					

PROJECT NAME:	BRANDON
PROJECT NUMBER:	NH 019-3(495)
FILE NAME:	zb008_5dds.xls
PROJECT LEADER:	CRB
DESIGNED BY:	PTS
DRAINAGE DETAIL SHEET # 3	
PLOT DATE:	9/1/2009
DRAWN BY:	NLL
CHECKED BY:	DAM
SHEET	18 OF 546

zb008s5-dds03.dgn