ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

STA.	STA.	POSITION	ASKEW	TYPE IN/OUT	DITCH IN	DITCH OUT	PIPE ARCH S IN	PIPE ARCH R IN	PIPE ARCH L FT	PIPE D IN	PIPE L FT	ALLOWABLE OPTIONS PCCSP TH	CAAP TH	RCP CL	CSP TH	CPEP SL	PCCSP PI TH	PIPE ELBOW NO-DEG	ES EA	CB	PRCDI	DEPTH DI	CONC CL B CY	REIN STEEL LBS	DI GRATE TYPE	CHAN ELEV	CRM CY	TR EXCAV EARTH CY	TR EXCAV ROCK CY	COMM EXC CY	UNC CHAN EXC CY	STRUC EXCAV CY	GRAN BKF STRUC CY	GRAN BORR CY	EROS MATT SY	STONE FILL CY	STONE FILL TYPE	MRKR POSTS LT	MRKR POSTS RT	REMARKS
102+07	103+10	LT-LT																																					REMOVE EXISTING RCDI AND 18" RCP
102+07	103+40	LT-LT		RCDI						18	133	.064	.060	III		X						7.5	4.07	311	E														①
103+10	105+17	LT-RT																																					REMOVE EXISTING RCDI AND 18" RCP
102+85	103+40	RT-RT		RCDI						18	55	.064	.060	III		X						7.0	3.84	303	E														②
103+40	103+40	LT-RT		RCDI						18	23	.064	.060	III		X						6.0	3.40	273	E														③
103+40	104+30	RT-RT		RCDI		X				24	100	.064	.060									7.5	4.07	311	E														STONE FILL TYPE II LINED DITCH TO RIVER ④
108+55	108+55	LT-RT		RCDI						18	30	.064	.060	III		X						5.0	2.96	242	E														⑤
108+55	23+20	RT-LT		RCDI						18	72	.064	.060	III		X						6.0	3.40	273	E														⑥
22+85	23+20	LT-LT		RCDI						18	40	.064	.060	III		X						4.5	2.74	219	E														⑧
23+20	108+00	LT-RT		RCDI		X				30	52	.064	.060									11	5.50	406														NEW RCDI W/ PRECAST COVER: OUTLET IN STONE FILL ⑦
104+50	104+70	RT-RT			X	X				18	20	.064	.060	III		X																						⑨ EXACT LOCATION TO BE DETERMINED BY RESIDENT ENGINEER
23+20	23+09	LT-LT																																					REMOVE EXISTING RCDI AND 30" RCP
24+09	24+30	LT-LT																																					REMOVE EXISTING RCDI AND 18" CMP
107+96	107+94	RT-RT																																					REMOVE EXISTING RCDI AND 18" CMP
108+04		RT																																					REMOVE EXISTING RCDI AND 18" CMP
108+56	108+80	RT-RT		RCP																																			REMOVE EXISTING RC PIPE
102+08	105+18	LT-RT		RCP																																			REMOVE EXISTING RC PIPE
TOTALS											552												29.98	2338															

SEE 40 SCALE LAYOUT SHEET 11.

DRAINAGE NOTES:

① STA 102+07 LT - STA 103+40 LT
NEW 18"X133' OPTION PIPE
NEW RCDI @ INLET
REMOVE EXISTING 18" RCP
STA 102+07 REMOVE EXISTING DI
STA 103+10 REMOVE EXISTING DI

② STA 102+85 RT - STA 103+40 RT
NEW 18"X55' OPTION PIPE
NEW RCDI @ INLET

③ STA 103+40 LT - STA 103+40 RT
NEW 18"X23' OPTION PIPE
NEW RCDI @ INLET

④ STA 103+40 - STA 104+30 40' RT
NEW 24"X100' OPTION PIPE
NEW RCDI @ INLET AND STONEFILL
TYPE II LINED DITCH TO RIVER

⑤ STA 108+55 LT - STA 108+55 RT
NEW 18"X30' OPTION PIPE
NEW RCDI @ INLET

⑥ STA 108+55 RT -
SIDELINE STA 23+20 LT
NEW 18"X72' OPTION PIPE
NEW RCDI @ INLET

⑦ SIDELINE STA 23+20 LT -
STA 108+00 80' RT
NEW 30" X52' OPTION PIPE
NEW JUNCTION BOX @ INLET

⑧ SIDELINE STA 22+85 LT -
SIDELINE STA 23+20 LT
NEW 18"X40' OPTION PIPE
NEW RCDI @ INLET

⑨ STA 104+50 RT - STA 104+70 RT
NEW 18"X20' OPTION PIPE
DITCH @ INLET AND OUTLET

(EXACT LOCATION TO BE DETERMINED BY RESIDENT ENGINEER TO PROVIDE FOR BIKE PATH CROSSING OVER STONE FILL DITCH.)

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT
TOTALS				

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB	MKR PST
102+25	104+25	U	LT	6	205				1	
102+25	104+25	U	RT	6	205				1	
TOTALS										

PROJECT: ROYALTON

PROJECT NO.: BRZ 1444(22)

DESIGN FILE NAME: 89J099/structures/sj099drn.dgn
IPARM FILE NAME: sj099drn.i
SURVEYED BY: R. GILMAN
SQUAD LEADER: C.P. WILLIAMS
DRAINAGE SHEET

PLOT DATE: 25-SEP-2000
SURVEY DATE: 9/91
DRAWN BY: W.B. SYMONDS
SHEET: 16 OF 118