ITEM DETAIL AND DRAINAGE SHEET

STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE STRUCTURES

HEAVY DUTY STEEL BEAM GUARD RAIL

STA.	STA.	POSITION	ASKEW	TYPE	DITCH		PIPE ARCH			PIPE		ALLOWABLE OPTIONS					GATE	PIPE	ES	CB	PB	DEPTH	CONC	REIN	DI	CHAN	CRM	TR EXCAV		COMM	UNC	STRUC	GRAN	GRAN	EROS	STONE FILL		MRKR POSTS		RELAY	CONC	EXC	TRK	REMARKS
				IN/OUT	IN	OUT	S	R	L	D	L	PCCSP	CAAP	RCP	CSP	PVC	VALVE	ELBOW			BLOCK	DI	CL B	STEEL	GRATE	ELEV		EARTH	ROCK	EXC	CHAN EXC	EXCAV	BKF STRUC	BORR	MATT			POSTS		PIPE	RMVL	RNTL	RNTL	
							IN	IN	FT	IN	FT	TH	TH	CL	TH	CL	EA	NO-DEG	EA				CY	LBS	TYPE		CY	CY	CY	CY	CY	CY	CY	CY	SY	CY	TYPE	LT	RT	LF	CY	HR	HR	
SHOREHAM																																												
																																												BRIDPORT
63+24		CL			X	X																															1	1	8				EXIST 18'' RCP ~ RELAY 8' @ OUTLET
65+09	68+09	RT																										27													3	3	DITCH CLEANING
68+09.5		CL		DI/		X				24	62	.064	.060									4-0	2.7	228	2-A			59	2				9			5	II	1	1					REMOVE EXIST. PIPE & HDL, REPLACE W/NEW 4X6 DI
																																											@ INLET, TYPE I STONE PAD @ OUTLET
74+00		CL		ES/						18	12			III					1									14	2				3			2	I	1	1					EXIST. 18' RCP ~ RETAIN, REMOVE HDL & EXTEND W/
																																											4' RCP & ES @ INLET, EXTEND W/8' RCP & TYPE I
																																											STONE FILL PAD @ OUTLET
74+00	78+15	RT																																							4	4	DITCH CLEANING
78+15	78+35	RT																										22								7	I							CONSTRUCT SPECIAL DITCH W/ STONE FILL, TYPE I
78+25		CL			X	X				18	6				.064													3	2				1					1	1					EXIST. ACCGMP ~ RETAIN, REMOVE HDL & EXTEND W/6'
																																											CSP @ INLET
82+05		RT			X	X																																						EXIST. 15" CGMP ~ RETAIN
84+88	85+38	RT																																						1	1	DITCH CLEANING
85+45		RT			X	X																																						EXIST. 12'' CMP ~ RETAIN
85+52	87+02	RT																																						2	2	DITCH CLEANING
95+10		RT			X	X																																						EXIST. 15" CGMP ~ RETAIN
96+15		RT			X	X																																						EXIST. 14'' CIP ~ RETAIN
101+27	&101+37	CL													SEE	BR100		SERIES																											2 - NEW PLATE PIPE ARCHES
105+86		LT			X	X																																						EXIST. 15'' CMP ~ RETAIN
109+83		LT			X	X																																						EXIST. 15'' CMP ~ RETAIN
111+50		LT			X	X																																						EXIST. 15'' CMP ~ RETAIN
112+25	114+25	LT																																						2	2	DITCH CLEANING
115+12		CL		ES/	X	X				18	4			III					1									5	2				1			3	I	1	1					REPLACE 4' OF EXIST. 18" RCP W/NEW RCP
																																												& EXTEND W/ES & STONE FILL TYPE I PAD
116+30		LT																																									EXIST. 15'' CMP ~ RETAIN
118+00	123+10	LT																																					1	1	EXIST. 6'' UNDERDRAIN ~ RETAIN
119+50	121+70	LT																																						2	2	DITCH CLEANING
119+50	124+15	RT																																						4	4	DITCH CLEANING
124+40		RT		ES/	X	X				18	40				.064				1									21					6			1	I							REMOVE EXIST. PIPE, NEW 18" CSP W/CSPES
																																												@ INLET & STONE PAD TYPE 1 @ OUTLET
124+55	126+20	RT																																						2	2	DITCHING
124+70		LT			X	X																																	1						EXISTING 18'' ACCGMP W/DI RETAIN
127+78.5		CL			X	X																																	1	1					18'' RCP ~ RETAIN
132+76		CL		SH/	X	X																																	1	1	4				REMOVE & RELAY 4' OF EXIST. 18" RCP
																																												@ OUTLET
140+02		CL	85-53 RT	ES/	X	X				30	4				.079				1									23					3			15	I	1	1	8				REMOVE & RELAY 8' PIPE @ INLET
																																												EXTEND INLET W/4' PIPE PLUS CSPES
142+64		CL	54-26 LT		X	X				54	110	.109	.105																	109	330	43				61	II							REMOVE EXIST. PIPE ~ NEW 54" PIPE W/
																																												STONE FILL TYPE II @ INLET & OUTLET
																																												W/STONE FILL TYPE II
142+64		CL	54-26 LT							54	18				.109	(MODIFIED)																													TEMP. 54" DETOUR PIPE
SHEET TOTALS										18	16			III					2				2.7	228	2-A			147	35		109	330	66			28	I	10		20		20	20	
										18	46				.064				1																	66	II		9					
										24	62	.064	.060																																
TOTALS										30	4				.079				1																									
										54	18				.109	(MODIFIED)																													
SHEET 2 OR 13										54	110	.109	.105																															

TOTALS

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB	MKR PST
TOTALS										

END TREATMENT	STA.	STA.	LT.	RT.
	283+79	284+04	25	25
	284+17	284+42	25	25
	SUBTOTAL		50	50
	TOTAL		100	
	FACTORED TOTAL			
	(50 X 1.4) + (50 X 1.2) =		130 LF	
	TOTALS			

PROJECT NAME SHOREHAM-BRIDPORT-ADDISON
PROJECT NUMBER F 017-1(2)