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	PCCSP PI (TH)	PIPE ELBOW (NO-DIA)	ES (EA)	CB	PRCSD	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	REHAB DI (EA)	REMARKS
13+00	13+00	LT-RT																										30	2.7												REMOVE EXISTING 24" CGMP & HEADER
13+00	13+00	LT-RT								24	68	.064	.060			(SL)			1								2.7	22								1.2	I	1	1		OUTFALL TO RIVER W/ STONE FILL PAD, TYPE I
13+75		RT								12	36	.064	.060			(SL)		2-12			1							10								.3	I		1		OUTFALL TO RIVER W/ STONE FILL PAD TYPE I (ELBOWS 22.5°)
2+55	WALDO LN.	LT-RT																										10													REMOVE EXISTING 15" CGMP
2+62	2+52	LT-RT								18	54	.064	.060	III		(SL)			1								1.8	14								0.7	I	1	1		OUTFALL TO RIVER W/ STONE FILL PAD, TYPE I
27+85	28+00	LT								12	60	.064	.060			(SL)		2-12			1							24								0.3	I		1		OUTFALL TO RIVER W/ STONE FILL PAD, TYPE I (ELBOWS – 22.5°)
28+50	28+30	RT-LT																										86													REMOVE EXISTING 24" CGMP
28+50	28+50	RT-LT								24	128	.064	.060	IV		(SL)											2.7	80								2.4	I	1	1		OUTFALL TO RIVER W/ STONE FILL PAD, TYPE I AT INLET & OUTLET
30+97	30+97	RT-LT																										77													REMOVE EXISTING 24" CGMP
32+00	32+00	RT-LT								24	84	.064	.060	III		(SL)			1								2.7	42								2.4	I	1	1		OUTFALL TO RIVER W/ STONE FILL PAD, TYPE I AT INLET & OUTLET
35+00	34+50	RT-LT								24	100	.064	.060	III		(SL)			1								2.7	55								1.2	I	1	1		OUTFALL TO RIVER W/ STONE FILL PAD, TYPE I AT OUTLET
35+15	35+15	RT-LT																										35													REMOVE EXISTING 24" CGMP
15+50	15+70	LT																																		2.4	I				CONST. STONE FILL PAD TYPE I, 2'X2' BOX CULVERT TO REMAIN
16+00		RT								12	34	.064	.060			(SL)		2-12			1							10											1		OUTFALL TO RIVER THROUGH STONE FILL (ELBOWS – 22.5°)
31+90		LT								12	20	.064	.060			(SL)		2-12			1							8								1.2	I	1			OUTFALL TO RIVER W/ STONE FILL PAD TYPE I (ELBOWS – 22.5°)
21+35		LT								12	58	.064	.060			(SL)		2-12			1							24											1		OUTFALL TO RIVER (ELBOWS – 22.5°)
24+80		LT								12	68	.064	.060			(SL)		2-12			1							28											1		OUTFALL TO RIVER (ELBOWS – 22.5°)
13+00	14+00	RT																										26													CONSTRUCT GRASSED DITCH
TOTALS										12 18 24 24 24	276 54 184 128 68	.064 .064 .064 .064 .064	.060 .060 .060 .060 .060	 III III IV 		X X X X X		12-12	1 2 1		6						12.6	581	2.7							12.1	I	6	10		

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT BCT	END TREATMENT ANCHOR
12+98.93	17+73.93		475.0	1	
17+73.67	17+98.67	25.0		1	
21+60.25	24+67.58	300.0			
21+85.89	23+98.37		212.5		
26+09.04	31+21.37		525.0	1	
26+83.65	32+38				
PLUS 2-16'R PANEL		600.0			
32+38 ALONG DRVWY.					1
32+50 ALONG DRVWY.					1
PLUS 2-16'R PANEL					
32+50	35+50	350.0			
TOTALS	2,487.5 LF	1275	1212.5	3	2

GUARD RAIL APPROACH SECTION TYPE I

STA.	STA.	LT.	RT.
17+73.93	18+23.93		1
17+98.67	18+48.67	1	
21+10.25	21+60.25	1	
21+36.89	21+85.89		1
23+98.37	24+48.37		1
24+67.58	25+17.58	1	
25+59.04	26+09.04		1
26+33.65	26+83.65	1	
TOTALS	8 EA =	4	4

REMOVAL & DISPOSAL OF GUARD RAIL

STA.	STA.	LT.	RT.
16+72	18+17		145
17+60	18+20		60
21+09	23+15		206
21+09	23+45		236
25+20	29+40		420
25+70	29+35	365	
33+55	35+50	195	
TOTALS	1627 LF=	560	1067

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB	CRM	MKR PST
13+50	13+50	U	LT-RT	6	88	40			1	.3	2
13+50	0+78 (WALDO LN)	U	LT	6	372	150			1		1
0+78 (WALDO LN)	2+77	U	LT	6	198	80			1		
2+77	2+77	U	LT-RT	6	50	14			1	.3	1
TOTALS				6	708	284			4	.6	4

PROJECT NAME WALLINGFORD
PROJECT NUMBER BRS – 0137 (13)

SHEET 8 OF 113 SHEETS

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