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 FI TH	PIPE ELBOW NO-DEG	ES EA	CB	PRCCDI	DEPTH DI	CONC CL B CY	REIN STEEL LBS	DI GRATE TYPE	REHAB DI EA	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	PRCCMH	CLEAN PIPE LF	REMARKS
U.S. ROUTE 5																																										
104+00	105+50	LT																																								SPECIAL DITCH - COMMON EXCAVATION INCLUDED AS CROSS SECTION EARTHWORK
104+00	110+50	RT																												184						184	I					
104+00	111+10	LT																												185						185	I					COMMON EXCAVATION NOT AVAILABLE FOR FILL
104+50	105+50	RT																																								SPECIAL DITCH - COMMON EXCAVATION INCLUDED AS CROSS SECTION EARTHWORK
104+60	105+20	RT																																								REMOVE EXISTING PIPE WITH COMMON EXCAVATION
104+72	104+98	LT																																								REMOVE EXISTING PIPE WITH COMMON EXCAVATION
104+60	105+10	LT								15	50					X			2																		2				NO EXCAVATION REQUIRED - IN DITCH LINE
104+90	105+35	RT								15	45					X			2																			2			NO EXCAVATION REQUIRED - IN DITCH LINE
105+50	106+60	LT/RT								18	128			III		X						5.0	2.6	231	A			113	5									1	1			REMOVE EXISTING PIPE AND TWO DROP INLETS
106+60	107+50	RT								18	98			III		X						5.0	2.6	231	A			63											1			REMOVE EXISTING PIPE WITH TRENCH EXCAVATION FOR NEW PIPE
107+50	108+60	RT																										18										1	1	110		INCLUDES C.J. COVER
107+50	109+00	LT																																								SPECIAL DITCH - COMMON EXCAVATION INCLUDED AS CROSS SECTION EARTHWORK
108+00	108+54	LT																																								REMOVE EXISTING PIPE & D.I. WITH COMMON EXCAVATION
108+05	108+55	LT								15	50					X			2																	I	II	2				NO EXCAVATION REQUIRED - IN DITCH LINE
110+50	112+25	RT																												III						III	II					SPECIAL DITCH - COMMON EXCAVATION INCLUDED AS CROSS SECTION EARTHWORK
110+95	111+19	LT																																								REMOVE EXISTING PIPE WITH COMMON EXCAVATION
113+20		RT								12	45	.064	.060		.064			2-28°			1									I						I	II		I			INCLUDES C.I. GRATE
113+35		LT								12	57	.064	.060		.064			2-28°			1							33		I						I	II	I				INCLUDES C.I. GRATE
116+65		RT								12	40	.064	.060		.064			2-28°			1									I						I	II		I			INCLUDES C.I. GRATE
116+75		LT								12	42	.064	.060		.064			2-28°			1							12		I						I	II	I				INCLUDES C.I. GRATE
118+00		RT								12	33	.064	.060		.064			2-28°			1									I						I	II		I			INCLUDES C.I. GRATE
118+70		LT								12	20	.064	.060		.064						1							12		I						I	II	I				INCLUDES C.I. GRATE
118+75	120+43	LT																																	149							SPECIAL DITCH - COMMON EXCAVATION INCLUDED AS CROSS SECTION EARTHWORK
120+43	121+13	LT								15	66					X			2									24		I						I	I	2				
120+50	121+07	RT																										20														REMOVE EXISTING PIPE
121+50	121+13	LT																																	33							SPECIAL DITCH - COMMON EXCAVATION INCLUDED AS CROSS SECTION EARTHWORK
122+00	122+25	RT/LT								18	144	.064	.060		.064				1									75										1	1			CONNECT TO EXISTING DROP INLET
122+45	122+27	RT/LT																										35														REMOVE EXISTING PIPE
121+50	15+00	RT																												38						38	I					SPECIAL DITCH - COMMON EXCAVATION INCLUDED AS CROSS SECTION EARTHWORK
U.S. ROUTE 5/VT. ROUTE 11																																										
13+15	13+15	RT/LT																																						96		
15+20	13+15	LT																																						190		
15+28	15+20	RT/LT																																						55		
15+28		RT																								1																REHABILITATION OF D.I. CONVERT TO M.H. WITH CAST IRON COVER
15+28	15+30	RT								18	6			III		X				1								2				22										INCLUDES C.I. GRATE TYPE 'D'. CONNECT TO EXISTING DROP INLET
16+70	15+28	RT																																						142		
16+70	16+70	RT																																						8		
16+70		LT																								1																REHABILITATION OF D.I. CONVERT TO M.H. WITH CAST IRON COVER
17+50	16+70	RT/LT								18	76	.064	.060		.064					1								55				20							2			INCLUDES C.I. GRATE TYPE 'B'. CONNECT TO EXISTING DROP INLET
TEMPORARY EROSION CONTROL																												25						50	10	I					TEMPORARY EROSION CONTROL
TOTALS										12	237	(3 WAY OPTION PIPE)						10-28°	9	2	6		5.2	462	2-A	2		487	5	525		42			232	418	I	II	II	I	601	
										15	211	CPEP (SL)																								118	II					
										18	232	(2 WAY OPTION PIPE)							8 - 15" E.S.																							
										18	220	(3 WAY OPTION PIPE)							1 - 18" E.S.																							

GUARD RAIL

STA.	STA.	LT.	RT.	END TREATMENT	
US ROUTE 5					
109+36	109+74	—	—	MELT	
109+74	112+99	—	325.00	STEEL	BEAM
110+46	110+83	—	—	MELT	
110+83	113+15	231.25	—	STEEL	BEAM
116+78	119+97	—	318.75	STEEL	BEAM
119+97	120+34	—	—	MELT	
116+88	120+00	312.50	—	STEEL	BEAM
120+00	120+37	—	—	MELT	
		—	—		
		543.75	643.75	4-MELTS	
TOTALS		1187.50			

UNDERDRAIN

STA.	STA.	TYPE	POS.	D	L	TRENCH E	TRENCH R	GRAN BKF	FB		MKR PST
U.S.	ROUTE 5										
105+50	106+60	U	RT	6"	110	64			1		1
105+50	111+75	U	LT	6"	630	365			1		2
106+50	110+75	U	RT	6"	430	249			1		2
	TOTALS				1170	678			3		5

STATE OF VERMONT
AGENCY OF TRANSPORTATION

Town Of SPRINGFIELD	Bridge No. 44
Highway No. U.S. ROUTE 5	Log Sta. / Surv. Sta.
U.S. ROUTE 5 OVER BLACK RIVER	
ITEM DETAIL & DRAINAGE SHEET	
Designed By JRM	Drawn By RR/CJM
Checked By RAL Date 3/95	Bridge Design Supervisor P. PIERCE Date
PROJECT SPRINGFIELD	PROJECT NO. BRS-RS 0113 (8)
I.G.C. Info. /usr5/19145822/drain.dgn	
Bridge Sheet No.	Sheet 8 of 90

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