STATE OF VERMONT
AGENCY OF TRANSPORTATION

DRAINAGE DETAIL SHEET

Metric

STATION km + m	STATION km + m	POS.	DRAINAGE NOTE REFER.	INLET/OUTLET TYPE INLET	OUTLET	DITCH IN	OUT	PIPE ARCH SPAN mm	RISE mm	L m	PIPE D mm	L m	ALLOWABLE OPTIONS PCCSP mm	CAAP mm	RCP CL	CSP mm	OPEP SL mm	PCCSP PI mm	PIPE ELBOW no. deg.	MH ea	CB ea	PROCEED	DEPTH DI mm	CONC CLASS B m³	REINF STEEL kg	DI GRATE type	CHAN ELEV ea	CRM m²	TRENCH EXCAVATION EARTH m³	ROCK m³	COMM EXC m³	UNC CHAN EXC m³	STRUCT EXCAV m³	GRAN BKFILL STRUCT m³	GRAN BORR m³	EROS MATT m²	STONE FILL m²	type	MARKER POSTS LT ea	RT ea	REMARKS
Stowe Street																																									
1+066.3	1+071.5	RT.-LT.	A																							SC	1														RETAIN EXIST. DI & PIPE; REMOVE GRATE AND FRAME AT 1+066.3, RT.; NEW FRAME AND COVER AT 1+066.3, RT.
1+071.5	1+084.7	LT.	B																					25		SC	1														RETAIN EXIST. DI; SAW CUT EXIST. PIPE AT 1+076.4, LT. TO INSTALL CB#1; PLUG & ABANDON REMAINDER OF PIPE; REMOVE GRATE AND FRAME AT 1+071.5, LT.; NEW COVER AND FRAME AT 1+071.5, LT.
1+074.6	1+075.2	RT.-LT.	1	CB#1	CB#2						300	10.2					300				1					D*			38												NEW CATCH BASIN AND PIPE; CONNECT EXIST. 300mm MP TO CB#1
1+074.8	B 1+012.3	RT.-LT.	2	CB#2	DMH#1						300	15.1					300				1					D*			48												NEW CATCH BASIN AND PIPE
1+084.7	B 1+012.3	LT.	C																					25		SC	1														PLUG & ABANDON EXIST. 300mm PIPE; REMOVE GRATE AND FRAME AT 1+084.7, LT.; NEW COVER AND FRAME AT 1+084.7, LT. NEW DROP INLET AND PIPE
1+091.4	1+098.4	LT.-RT.	3	CB#3	CB#4						300	9					300				1					E*			30												NEW CATCH BASIN AND PIPE
1+091.4	1+094.0	LT.	13	DI#12	CB#3						300	2.5					300						900	1.46	76	D			9												NEW DROP INLET AND PIPE
1+098.4	B 1+012.3	RT.-LT.	4	CB#4	DMH#1						300	12					300				1					E*			43												NEW CATCH BASIN AND PIPE
1+147.9	1+153.2	RT.-LT.	8	DI#8	CB#9						300	8.4					300						1500	1.78	90	E			17												NEW DROP INLET AND PIPE
1+153.2	1+172.9	LT.	9	CB#9	CB#10						300	18.5					300				1					E*			49												NEW CATCH BASIN AND PIPE
1+155.4	1+171.5	LT.	D																										16	5											REMOVE EXIST. DI & PIPE
1+170.7	1+171.5	RT.-LT.	E																										8	5											REMOVE EXIST. DI & PIPE
1+171.5	U 10+059.6	LT.-RT.	F																					25						5											REMOVE EXIST. DI, PLUG & ABANDON EXIST. PIPE
1+171.9	1+172.9	RT.-LT.	7	DI#7	CB#10						300	7.9					300						1800	2.43	116	D			31												NEW DROP INLET AND PIPE; SEE GRADING DETAIL ON SHEET 13
Bidwell Lane																																									
B 1+012.3		LT.	12	DMH#1																1						SC*			27												NEW CONCRETE MH WITH CAST IRON COVER OVER EXIST. DRAINAGE PIPE. SEE DRAINAGE NOTE 12 ON DRAINAGE PLAN
Relocated Railroad St.																																									
R 5+049.5	R 5+053.1	LT.-RT.	G																										2	4											REMOVE 2 EXISTING DROP INLETS AND PIPE
R 5+051.5	R 5+053.7	RT-LT.	5	DI#5	DI#6						300	7.1					300						1050	1.62	80	D			3												NEW DROP INLET AND PIPE
R 5+053.7	1+171.9	LT.-RT.	6	DI#6	DI#7						300	51.2					300						1050	1.62	80	D			46												NEW DROP INLET AND PIPE; SEE GRADING DETAIL ON SHEET 13.
Union Street																																									
1+172.9	U 10+023.2	LT-RT.	10	CB#10	CB#11						300	17.1					300				1					E*			46												NEW CATCH BASIN AND PIPE
U 10+023.2	U 10+059.6	RT.	11	CB#11	EXT. CB						300	36.2					300				1					E*			90												NEW CATCH BASIN AND PIPE
U 10+059.6		RT.																									1														CHANGE ELEVATION OF EXISTING DI
U 10+061.5		LT.																									1														CHANGE ELEVATION OF EXISTING DI
SUBTOTALS											300	194.2								1	7			9.66	444	4 D	5		503	19											
ROUNDING												1.8								0	0			0.34	6	1 E	0		7	1											
TOTALS											300	196								1	7			10	450	3 SC	5		510	20											

* - GRATE OR COVER INCLUDED IN COST OF CATCH BASIN OR M.H., NOT ADDED TO PROJECT TOTALS

S.C. - SOLID COVER

NOTE: SEE SHEET 21 OF 63 FOR LOCATION CHANGES

PROJECT NAME: **WATERBURY**
PROJECT NUMBER: **BRO 1446(26)**

FILE NAME: 11-DRAINAGE DETAIL.XLS
PROJECT LEADER: R. GINGRAS
DESIGNED BY: S. ROGERS
DRAINAGE DETAIL SHEET

PLOT DATE: 1/23/2004
DRAWN BY: M MEILLEUR
CHECKED BY: R GINGRAS
SHEET 11 OF 63