STATE OF VERMONT
AGENCY OF TRANSPORTATION

ITEM DETAIL AND DRAINAGE SHEET

STATION	STATION	POS.	ASKEW	INLET/OUTLET TYPE		PIPE		ALLOWABLE OPTIONS			PIPE ELBOW	ES	CB	CON-VERT CB TO MH	DEPTH DI	CONC CLASS B	REINF STEEL	DI GRATE	CHAN ELEV	CRM	TRENCH EXCAVATION		GRAN BKFILL STRUCT	EROS MATT	STONE FILL		MARKER POSTS		REMARKS
			NO. DEG.	INLET	OUTLET	D IN	L FT	RCP CLASS	HDPE	CPEP SL	NO. DEG.	EA	EA	EA	FT	CY	LBS	TYPE	EA	CY	EARTH CY	ROCK CY	CY	SY	CY	TYPE	LT EA	RT EA	
US RTE. 5																													
8+11.7	8+10.6	RT-RT		DI	MH	8	~~6~~			X			1	1	~~5.5~~ 4			D			4.4 ~~16.7~~	0.4 ~~2.1~~	3.2 ~~9.6~~						EXISTING CB TO BE CONVERTED TO MH, NEW CB AND PIPE PROPOSED.
13+50.0		LT		DI	MH																								REHAB EXISTING DI, PROVIDE TYPE D GRATE, FRAME & GRATE IS INCIDENTAL TO REHAB.
																					5.0	1.9	5.4						
17+36.5	17+50.3	LT-LT		DI	MH	8	~~14~~			X			1	1	~~5~~3.5			D			~~19.9~~	~~3.4~~	~~8.3~~						EXISTING CB TO BE CONVERTED TO MH, NEW CB AND PIPE PROPOSED.
																					6.7	0.5	4.9						
17+40.7	17+43.1	RT-RT		DI		8	~~9~~ 10			X			1	1	~~4~~3.5			D			13.2	2.5	~~6.7~~						EXISTING CB TO BE CONVERTED TO MH, NEW CB AND PIPE PROPOSED.
																					3.8	0.9	5.0						
18+59.1	18+48.9	RT-RT		DI	MH	8	~~10~~ 6			X			1	1	4 3			D			~~13.8~~	~~3.1~~	~~6.7~~						EXISTING CB TO BE CONVERTED TO MH, NEW CB AND PIPE PROPOSED.
VT RTE. 119																					4.4	1.0	3.7						
40+66.6	40+78.5	RT-RT		DI	MH	8	~~12~~ 8			X			1	1	~~5~~ 4			D			~~18.6~~	~~3.0~~	~~8.3~~						EXISTING CB TO BE CONVERTED TO MH, NEW CB AND PIPE PROPOSED.
VT RTE. 142																													
113+61.8		RT		DI																									REHAB EXISTING DI, PROVIDE TYPE D GRATE, FRAME & GRATE IS INCIDENTAL TO REHAB.
TOTALS							**51**	**CPEP (SL)**					**5**	**5**				**D=5**			**82.2**	**14.1**	**39.6**						

NEW CURBING

STATION	STATION	POS.	GRANITE LENGTH	CONC, TYPE B LENGTH	REMARKS
7+66.1	7+87.6	RT-RT	23.7		VERTICAL GRANITE CURB
7+74.1	7+93.9	LT-LT		16.8	PRECAST REINFORCED CONC. CURB, TYPE B
7+92.0	113+57.6	RT-LT	135.5		VERTICAL GRANITE CURB
8+79.9	8+88.4	LT-LT		4.8	PRECAST REINFORCED CONC. CURB, TYPE B
8+90.7	8+99.2	LT-LT		8.5	PRECAST REINFORCED CONC. CURB, TYPE B
9+07.9	9+19.1	RT-RT		14.4	PRECAST REINFORCED CONC. CURB, TYPE B
40+72.3	40+77.9	LT-LT		7.6	PRECAST REINFORCED CONC. CURB, TYPE B
10+70.5	10+80.8	LT-LT		10.8	PRECAST REINFORCED CONC. CURB, TYPE B
113+43.9	113+52.6	LT-LT	8.8		VERTICAL GRANITE CURB
113+59.4	41+30.7	LT-LT	19.6		VERTICAL GRANITE CURB
13+23.7	13+46.4	RT-RT	22.8		VERTICAL GRANITE CURB
13+50.7	13.97.8	RT-RT	46.7		VERTICAL GRANITE CURB
13+99.4	14+14.4	LT-LT		15.4	PRECAST REINFORCED CONC. CURB, TYPE B
14+00.8	14+23.6	RT-RT	25.6		VERTICAL GRANITE CURB
51+40.7	51.53.6	RT-RT		13.8	PRECAST REINFORCED CONC. CURB, TYPE B
51+39.4	51.45.2	LT-LT		6.3	PRECAST REINFORCED CONC. CURB, TYPE B
60+88.9	61+00.6	LT-LT		11.9	PRECAST REINFORCED CONC. CURB, TYPE B
17+29.3	71+33.3	LT-LT	55.2		VERTICAL GRANITE CURB
17+35.0	17+51.8	RT-RT		19.6	PRECAST REINFORCED CONC. CURB, TYPE B
17+55.7	18+34.0	RT-RT		77.6	PRECAST REINFORCED CONC. CURB, TYPE B
18+38.0	18+56.8	RT-RT		20.9	PRECAST REINFORCED CONC. CURB, TYPE B
22+37.2	22+45.9	RT-RT		8.7	PRECAST REINFORCED CONC. CURB, TYPE B
22+42.4	22+46.7	LT-LT		4.2	PRECAST REINFORCED CONC. CURB, TYPE B
22+50.7	22+56.7	LT-LT		6.0	PRECAST REINFORCED CONC. CURB, TYPE B
23+65.1	23+70.5	LT-LT		9.0	PRECAST REINFORCED CONC. CURB, TYPE B
90+24.4	90+31.4	RT-RT	7.0		VERTICAL GRANITE CURB
90+21.3	90+26.5	LT-LT	5.2		VERTICAL GRANITE CURB
127+68.6	127+79.3	LT-LT		10.7	PRECAST REINFORCED CONC. CURB, TYPE B
TOTALS			**350.1**	**266.8**	

SEE CALC. BINDER SPREADSHEET

EXISTING CURBING

STATION	STATION	POS.	LENGTH REMOVAL	LENGTH REMOVE & RESET	REMARKS
113+14.7	113+62.0	RT-RT		81.4	REMOVING AND RESETTING CURB
7+66.1	113+43.9	RT-LT	170.6		REMOVAL OF EXISTING CURB
7+74.1	7+93.9	LT-LT	16.7		REMOVAL OF EXISTING CURB
8+76.1	8+79.9	LT-LT		4.0	REMOVING AND RESETTING CURB
8+79.9	8+99.2	LT-LT	18.1		REMOVAL OF EXISTING CURB
9+19.1	40+77.9	RT-LT	26.3		REMOVAL OF EXISTING CURB
10+70.5	10+80.8	RT-RT	10.6		REMOVAL OF EXISTING CURB
10+75.8	10+81.8	RT-RT		6.0	REMOVING AND RESETTING CURB
10+85.8	10+91.8	LT-LT		6.0	REMOVING AND RESETTING CURB
11+16.8	11+22.9	RT-RT		6.0	REMOVING AND RESETTING CURB
11+26.9	11+32.9	RT-RT		6.0	REMOVING AND RESETTING CURB
11+28.5	11+47.4	LT-LT		19.4	REMOVING AND RESETTING CURB
12+60.8	13+40.1	LT-LT		80.0	REMOVING AND RESETTING CURB
13+23.7	14+23.6	RT-RT	96.4		REMOVAL OF EXISTING CURB
13+99.4	14+14.4	LT-LT	15.6		REMOVAL OF EXISTING CURB
51+40.7	51+53.6	RT-RT	13.3		REMOVAL OF EXISTING CURB
51+39.4	51+45.2	LT-LT	11.8		REMOVAL OF EXISTING CURB
60+88.9	61+00.6	LT-LT	11.9		REMOVAL OF EXISTING CURB
61+13.3	61.24.8	RT-RT		11.5	REMOVING AND RESETTING CURB
15+91.7	17+29.0	LT-LT		162.8	REMOVING AND RESETTING CURB
17+29.0	17+33.3	LT-LT	46.8		REMOVAL OF EXISTING CURB
17+35.0	18+56.8	RT-RT	121.4		REMOVAL OF EXISTING CURB
18+37.1	18+42.5	LT-LT		6.4	REMOVING AND RESETTING CURB
71+23.0	71+33.3	RT-RT		10.4	REMOVING AND RESETTING CURB
71+12.7	71+17.5	LT-LT		6.0	REMOVING AND RESETTING CURB
22+37.2	22+45.9	RT-RT	8.7		REMOVAL OF EXISTING CURB
22+42.4	22+56.7	LT-LT	14.3		REMOVAL OF EXISTING CURB
22+49.9	22+58.2	RT-RT		8.3	REMOVING AND RESETTING CURB
23+61.5	23+70.5	LT-LT	9.0		REMOVAL OF EXISTING CURB
23+66.3	23+72.2	RT-RT		6.0	REMOVING AND RESETTING CURB
23+77.2	23+83.2	RT-RT		6.0	REMOVING AND RESETTING CURB
127+68.6	127+79.9	LT-LT	10.7		REMOVAL OF EXISTING CURB
127+70.9	127+78.4	RT-RT		7.5	REMOVING AND RESETTING CURB
128+13.8	128+18.6	RT-RT		7.3	REMOVING AND RESETTING CURB
80+74.3	80+95.3	RT-RT		22.0	REMOVING AND RESETTING CURB
80+85.7	80+95.7	LT-LT		10.0	REMOVING AND RESETTING CURB
TOTALS			**602.1**	**473.0**	

PORTLAND CEMENT CONCRETE SIDEWALK, 5 INCH

BEGIN STATION	END STATION	POSITION		AREA SF	AREA SY	
7+74.1	8+01.0	LT	LT	120.7	~~13.4~~	33.70
7+~~86.0~~	113+43.9	RT	LT	1860.4	~~206.7~~	215.93
~~8+76.1~~	~~8+99.2~~	LT	LT	109.5	~~12.2~~	22.8
~~113+14.7~~	113+73.0	RT	RT	326.5	~~36.3~~	68.11
~~40+77.9~~	~~9+19.1~~	LT	LT	128.1	14.2	
10+70.5	51+40.7	LT	RT	180.2	~~20.0~~	98.8
~~10+75.8~~	~~10+91.8~~	RT	RT	131.0	14.6	79.46
~~11+16.8~~	11+32.9	RT	RT	136.0	15.1	51.48
13+23.7	14+23.6	RT	RT	735.1	~~81.7~~	106.23
~~13+28.3~~	61+13.3	RT	RT	865.0	~~96.1~~	22.35
51+39.4	11+47.4	LT	LT	205.4	22.8	203
60+88.9	14+14.4	LT	LT	259.3	28.8	204.75
15+91.7	71+12.9	LT	RT	2230.0	247.8	135.21
17+35.0	18+56.5	RT	RT	1024.4	113.8	40.74
71+04.0	18+50.2	LT	RT	244.4	~~27.2~~	14.87
22+42.2	26+56.7	LT	LT	95.3	10.6	27.96
22+37.3	22+58.2	RT	RT	152.3	16.9	21.31
23+61.5	80+74.3	LT	RT	220.2	24.5	14.29
23+66.2	23+83.2	RT	RT	121.3	13.5	9.06
127+70.9	90+31.3	RT	RT	121.1	13.5	12.86
80+85.7	127+79.3	LT	LT	139.1	15.5	8.19
90+26.5	128+18.6	LT	RT	40.1	4.5	
20+67	20+91	RT	RT		41.2	
10+25	10+48	RT	RT		28.18	
TOTALS				**9945.1**	**1049.5**	

• PAID WITH COD CHURCH

ARCH 5

• COD

8+50

12+76

8+76.1

12+30

10+60

UNDERDRAIN

BEGIN STATION	END STATION	POSITION	TYPE	DIA IN.	LENGTH FT	TRENCH EARTH CY.	TRENCH ROCK CY.	GRAN BKFILL CF	FB EA	MRK. POST EA
TOTALS										

PROJECT NAME: **BRATTLEBORO**
PROJECT NUMBER: **STP 2000 (24)**

FILE NAME: **z08d044engitemdrain.xls**
PROJECT LEADER: **K. UPMAL**
DESIGNED BY: **B. SABEAN**
ITEM DETAIL AND DRAINAGE SHEET

PLOT DATE: **03/12/2010**
DRAWN BY: **B. SABEAN**
CHECKED BY: **D. SPENCER**
SHEET **91** OF **163**