



CONTROL TABLE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESC
1	66+25.28	37.93' Rt.	1658892.7940	1696621.1030	SMDM
3	59+71.42	43.05' Rt.	1658239.2130	1696601.2700	SMDM
4	62+95.88	50.54' Lt.	1658561.5110	1696702.1340	SD 1/2"SRB
6	56+90.53	50.08' Rt.	1657958.5800	1696587.9200	SD 3/4"PIPE
7	56+61.09	.11' Lt.	1657927.9890	1696637.4290	SD 3/4"PIPE
8	53+29.72	0.00' Rt.	1657596.7130	1696629.8620	SD 3/4"PIPE
9	49+70.13	50.08' Lt.	1657237.2110	1696571.7800	SD 3/4"PIPE
17	79+04.36	27.15' Rt.	1660171.3100	1696660.5300	SMDM
18	75+87.49	24.02' Lt.	1659853.3800	1696704.7000	SMDM
56	56+84.12	78.82' Rt.	1659973.8400	1697366.7000	SMDM
57	55+36.82	30.34' Lt.	1659868.7900	1697218.2400	SMDM
124	43+22.12	36.57' Rt.	1696570.8857	1656590.1744	BM 17TH 43+22
125	50+24.19	43.89' Lt.	1696666.9242	1657290.2817	BM #8
126	56+80.85	61.02' Lt.	1696698.7661	1657946.3788	BM #6
128	60+10.49	50.01' Lt.	1696695.1832	1658276.1769	BM #5
129	63+05.54	70.22' Lt.	1696722.0276	1658570.6958	BM #4
131	69+60.30	70.00' Lt.	1696736.5526	1659225.2980	BM #3
132	72+90.34	69.07' Lt.	1696743.0518	1659555.2743	BM #2
134	76+07.38	43.35' Rt.	1696637.8018	1659874.7650	BM #1
136	80+12.54	96.22' Rt.	1696593.8582	1660280.9670	BM #10
137	Outside Alignment Parameters		1696597.6228	1660644.6469	BM #11
142	53+20.04	89.73' Lt.	1696719.0549	1657585.0365	BM #7
1000	70+00.644	50.93' Lt.	1659595.8500	1696724.9600	SD 1/2"PIPE
1001	73+30.50	50.07' Lt.	1659266.0800	1696718.3900	SD 1/2"PIPE
1002	73+29.76	49.66' Rt.	1659597.3800	1696625.2400	SD 1"PIPE
3142	62+94.48	49.94' Rt.	1658562.3580	1696601.6590	SD 3/4"PIPE
3279	60+20.09	49.68' Lt.	1658285.8030	1696695.0690	SD 5/8"ACLS
4335	49+70.13	50.08' Lt.	1657236.0960	1696671.9120	SD 5/8" BAR
4424	46+39.15	50.03' Lt.	1656905.1970	1696664.5160	SD 1"PIPE
4441	46+38.21	50.00' Rt.	1656906.4820	1696564.5200	+CUT
4512	43+07.36	50.07' Rt.	1656575.7190	1696557.0570	SD 3/4"PIPE
4513	43+67.30	49.90' Rt.	1656635.6560	1696558.5600	SD 1"PIPE
4525	46+98.20	50.20' Rt.	1656966.4640	1696565.6240	SD 1/2"BAUGHMAN
4558	40+37.21	49.98' Lt.	1656303.4100	1696651.0730	SD 1"PIPE
4562	Outside Alignment Parameters		1656243.4920	1696649.7640	SD 1"PIPE

BASE LINE TABLE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESC
99	39+77.28	0.00' Rt.	1696599.7724	1656244.6055	17th BL
100	48+43.75	0.00' Rt.	1696619.0486	1657110.8554	BL 17TH BEGIN
101	49+99.65	0.00' Rt.	1696622.5169	1657266.7201	BL 17TH & GROVE
102	43+29.28	0.00' Rt.	1696629.8502	1657596.2701	BL 17TH & POPLAR S
103	53+35.19	0.00' Rt.	1696629.9832	1657602.1800	BL 17TH & POPLAR N
104	56+60.56	0.00' Rt.	1696637.3081	1657927.4620	BL 17TH & GREEN S
105	56+65.25	0.00' Rt.	1696637.4138	1657932.1543	BL 17TH & GREEN N
106	59+89.37	0.00' Lt.	1696644.7106	1658256.1867	BL 17TH & ESTELLE S
107	59+95.09	0.00' Lt.	1696644.8395	1658261.9080	BL 17TH & ESTELLE N
108	63+19.42	0.00' Lt.	1696652.1411	1658586.1531	BL 17TH & VOLUTSIA S
109	63+20.95	0.00' Rt.	1696652.1756	1658587.6880	BL 17TH & VOLUTSIA N
110	66+44.68	0.00' Rt.	1696659.4637	1658911.3322	BL 17TH & ERIE
111	69+74.40	0.00' Lt.	1696666.8869	1659240.9744	BL 17TH & CHAUTAUQUA S
112	69+75.63	0.00' Lt.	1696666.9144	1659242.1973	BL 17TH & CHAUTAUQUA N
113	73+04.56	0.00' Rt.	1696674.3197	1659571.0491	BL 17TH & LORRAINE S
114	73+05.79	0.00' Lt.	1696674.3475	1659572.2815	BL 17TH & LORRAINE N
115	76+39.80	0.00' Rt.	1696681.8670	1659906.2030	BL 17TH & HILLSIDE
116	79+99.94	0.00' Lt.	1696689.7735	1660266.2604	BL 17TH & HOLYOKE
117	81+32.18	0.00' Rt.	1696692.6766	1660398.4644	BL 17TH STREET
118	43+45.26	0.00' Rt.	1695967.8300	1657274.5000	BL GROVE
119	57+38.05	0.00' Rt.	1697360.5134	1657257.3471	BL GROVE
120	40+00.00	0.00' Rt.	1695681.9863	1659921.6500	BL HILLSIDE
121	49+00.00	0.00' Rt.	1696581.8790	1659907.7477	BL HILLSIDE 49+00
122	51+00.00	0.00' Rt.	1696781.8583	1659904.8812	BL HILLSIDE 51+00
123	60+00.00	0.00' Lt.	1697681.7797	1659892.9850	BL HILLSIDE 60+00

SWS TABLE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESC
634	63+73.63	24.00' Lt.	1696677.3556	1658639.8172	SWS EDGE OF CONCRETE
635	66+05.81	24.00' Lt.	1696682.5827	1658871.9397	SWS EDGE OF CONCRETE
636	66+05.81	00.00' Rt.	1696658.5888	1658872.4800	SWS BL
637	70+26.79	24.00' Rt.	1696644.0724	1659293.8903	SWS EDGE OF CONCRETE
638	70+26.79	00.00' Lt.	1696668.0663	1659293.3500	SWS BL
639	70+28.25	00.00' Rt.	1696668.0992	1659294.8097	SWS BL
640	70+28.25	24.00' Lt.	1696692.0931	1659294.2694	SWS EDGE OF CONCRETE
641	75+77.22	28.50' Lt.	1696708.9509	1659842.9884	SWS EDGE OF CONCRETE
642	75+77.22	00.00' Lt.	1696680.4582	1659843.6400	SWS BL
643	75+73.06	00.00' Lt.	1696680.3646	1659839.4849	SWS BL
644	75+73.06	28.50' Rt.	1696651.8718	1659840.1265	SWS EDGE OF CONCRETE
Hillside Avenue					
645	49+32.77	29.03' Lt.	1696614.1978	1659878.2155	SWS EDGE OF CONCRETE
646	49+32.77	00.00' Lt.	1696614.6462	1659907.2415	SWS BL
647	49+35.19	00.00' Lt.	1696617.0605	1659907.2042	SWS BL
648	49+35.19	25.04' Rt.	1696617.4473	1659932.2404	SWS EDGE OF CONCRETE
17th Street					
649	77+02.14	28.50' Rt.	1696654.7430	1659969.1760	SWS EDGE OF CONCRETE
650	77+02.14	00.00' Lt.	1696683.2355	1659968.5252	SWS BL
651	77+06.23	00.00' Lt.	1696683.3254	1659972.6156	SWS BL
652	77+06.23	28.50' Lt.	1696711.8185	1659971.9899	SWS EDGE OF CONCRETE
Hillside Avenue					
653	50+74.79	29.30' Rt.	1696757.0420	1659934.5137	SWS EDGE OF CONCRETE
654	50+74.79	00.00' Rt.	1696756.6547	1659905.2144	SWS BL
655	50+69.72	00.00' Rt.	1696751.5791	1659905.2815	SWS BL
656	50+63.36	00.00' Rt.	1696745.2218	1659905.3655	SWS BL
657	50+63.36	23.49' Lt.	1696751.2751	1659881.9549	SWS
658	50+69.72	23.33' Lt.	1696744.9113	1659881.8741	SWS
17th Street					
659	39+68.79	20.38' Lt.	1696619.9575	1656235.6626	SWS EDGE OF CONCRETE
660	39+68.79	00.00' Lt.	1696599.5835	1656236.1160	SWS BL

17th STREET  
FROM GROVE TO HILLSIDE

**STORM SEWER  
BUBBLE MAP**

SHEET TITLE  
87 N-0349-01  
PROJECT NUMBER

JRA

DESIGN BY

JSB

DRAWN BY

JRA

CHECKED BY

ISSUED

May 28, 2009

REVISED

SHEET NO.

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