



CONTROL TABLE					
POINT NUMBER	STATION	OFFSET	NORTHING	EASTING	DESC
1	66+25.28	37.93' Rt.	1658892.7940	1696621.1030	SDMD
3	59+71.42	43.05' Rt.	1658239.2130	1696601.2700	SDMD
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	SDMD
18	75+87.49	24.02' Lt.	1659853.3800	1696704.7000	SDMD
56	56+84.12	78.82' Rt.	1659973.8400	1697366.7000	SDMD
57	55+36.82	30.34' Lt.	1659868.7900	1697218.2400	SDMD
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	1659355.2743	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
4559	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
621	54+21.63	00.00' RT.	1696631.9291	1657688.5915	SWS BL
622	54+21.67	23.28' RT.	1696608.6850	1657689.1149	SWS
623	57+13.11	24.00' RT.	1696614.4973	1657980.5390	SWS EDGE OF CONCRETE
624	57+13.11	00.00' RT.	1696638.4912	1657979.9987	SWS BL
625	57+17.90	00.00' LT.	1696638.5990	1657984.7875	SWS BL
626	57+17.90	24.00' LT.	1696662.5930	1657984.2472	SWS EDGE OF CONCRETE
627	60+47.82	24.00' LT.	1696670.0206	1658314.0873	SWS EDGE OF CONCRETE
628	60+47.82	00.00' RT.	1696646.0266	1658314.6276	SWS BL
629	60+41.81	00.00' LT.	1696645.8913	1658308.6175	SWS BL
630	60+41.81	24.00' RT.	1696621.8970	1658309.1428	SWS EDGE OF CONCRETE
631	63+71.97	24.00' RT.	1696629.3302	1658639.2298	SWS EDGE OF CONCRETE
632	63+71.97	00.00' RT.	1696653.3241	1658638.6895	SWS BL
633	63+73.63	00.00' RT.	1696653.3617	1658640.3575	SWS BL
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.	1696648.0667	1659293.3600	SWS BL
662	49+40.62	25.50' RT.	1696595.7150	1657208.2703	SWS PVC
663	60+50.43	28.00' LT.	1696634.0684	1658316.6090	SWS PVC
664	60+50.43	30.00' LT.	1696676.0778	1658316.5638	SWS PVC
665	62+04.81	30.00' LT.	1696679.5533	1658470.8988	SWS PVC
666	63+82.82	33.50' LT.	1696687.0601	1658648.7897	SWS PVC
667	63+83.50	37.00' LT.	1696685.5757	1658649.5031	SWS PVC
668	61+12.55	32.00' LT.	1696690.7322	1658878.4886	SWS PVC
669	66+14.28	32.00' LT.	1696690.7713	1658880.2225	SWS PVC

**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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