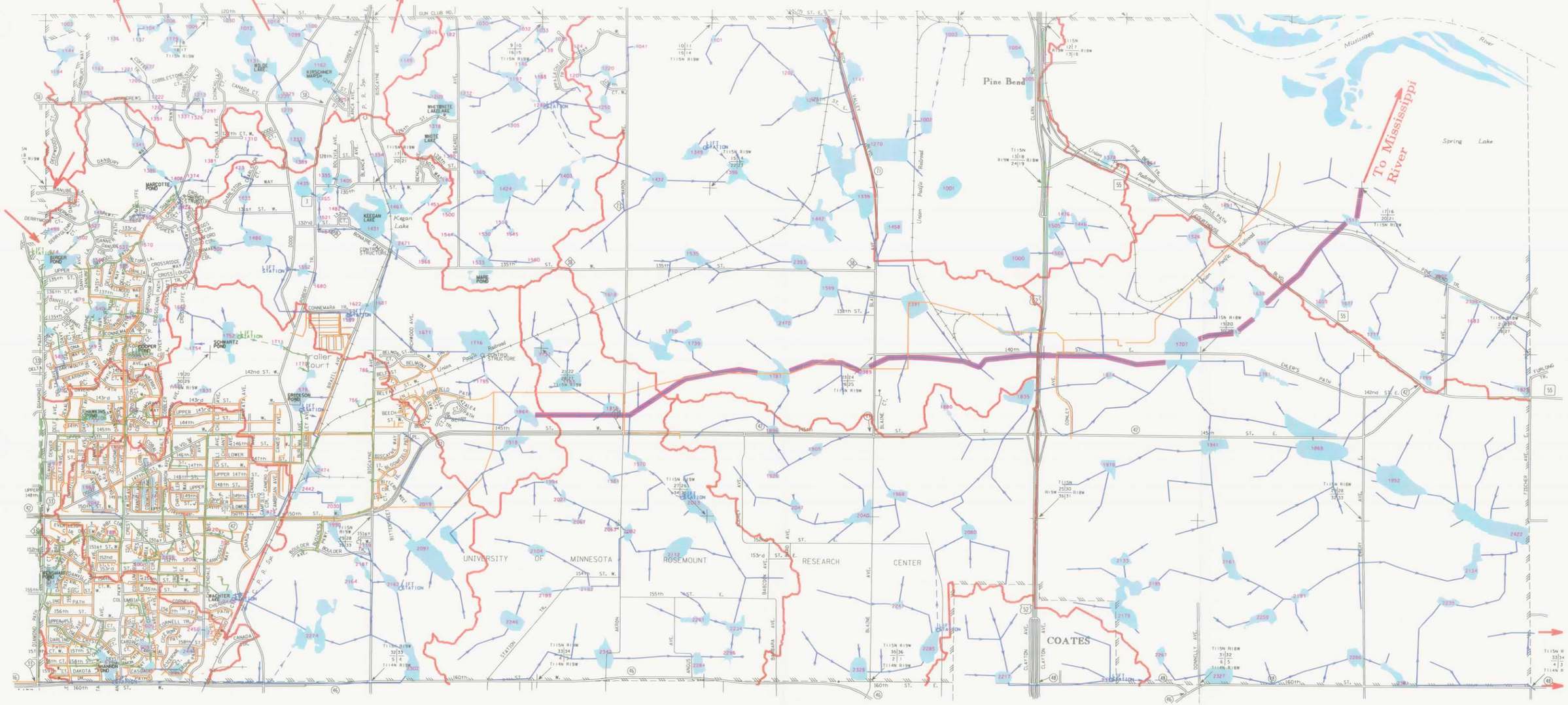
APPENDIX B
Stormwater Model



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INFRASTRUCTURE ▲ ENGINEERS ▲ PLANNERS

ROSEMOUNT MINNESOTA

STORMWATER TRUNK SYSTEM MAP
Rosemount, Minnesota

WSB Project No. 1005-331

April, 2002

Proposed Stormwater Trunk Conveyance System Improvements

Figure 1

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2005 - COMPREHENSIVE STORM WATER MANAGEMENT PLAN UPDATE

POND ID	BASIN NAME	WETLAND MANAGEMENT PLAN CLASSIFICATION (1)	WETLAND MANAGEMENT PLAN ID	WETLAND MANAGEMENT PLAN ID	DRAINAGE AREA	FULLY DEVELOPED SCS CURVE NUMBER	EST. NWL/ TYPICAL/ PUMP OFF WATER ELEV.	EST. MANAGEMENT WATER ELEV. (PUMP ON)	EST. 100 YEAR HIGH WATER ELEV. (3)	STORM WATER STORAGE AT 100 YEAR HWL (AC-FT)	STORM WATER STORAGE AVAIL. FROM PUMP ON ELEVATION (AC-FT)	24 HOUR 100 YEAR RUNOFF VOLUME (AC-FT)	10 DAY 100 YEAR RUNOFF VOLUME (AC-FT)	OUTLET ELEVATION	OUTLET DESCRIPTION (2)	CRITICAL EVENT PEAK DISCHARGE RATE (CFS)	TEMPORARY PUMPING DISCHARGE RATE (CFS)	EXISTING LOW BUILDING ELEVATION (3)	MINIMUM BUILDING ELEVATION	APPROX. EXISTING OVERFLOW ELEV. (3)	DOWNSTREAM POND OVERFLOW ELEV. (3)	POND DOWNSTREAM ID	COMMENTS
Birger Pond District																							
BP-P6		M2	434	434	24.6	73	919.4	-	924.11	2.5	-	6.3	14.03	919.4	24" RCP - E	29.12	-	932	928	934	N/A	Out of City	Limit of City contour data
BP-P13					6.8	71	908	-	908.71	1.03	-	1.6	4	908	12" RCP - E	1.28	-	928	912	920	N/A	Out of City	Limit of City contour data
BP-P49					20.8	70	952	-	954.83	2.25	-	4.9	12.1	952	15" RCP - E	8.77	-	962 (955 shed)	958	955	938	540	
BP-P70					11.8	75	953	-	956.05	2.29	-	3.2	6.9	953	12" RCP - E	4.93	-	957	959	960	960	545	Evermoor Development
BP-P75		M2	454	454	23.3	71	942	-	944.67	3.61	-	5.6	13.6	942	12" RCP - P	2.67	-	950 (946 shed)	948	945	LS	HP - P77	
BP-P155	Cooper Pond	M2	443	443	28.4	72	944.5	-	947.67	3.11	-	7.1	16.5	944.6	Lift Station-E	10	-	946 (954 shed)	951	960	960	545	
BP-P514	Birger Pond	P	380	380	83.7	76	892	-	906.6	425.89	-	31.4	66.2	892	Lift Station-E	3.9	-	-	908.5	N/A	-	-	Edge of contour data
BP-P525		P	395	395	22.7	72	952.4	-	956.59	2.22	-	5.7	13.2	952.4	21" RCP - E	17.59	-	-	960	956	918	1565	
BP-P540		P	564	564	75.3	72	930	-	934.58	24.75	-	18.8	43.8	930.5	18" RCP - E	13.37	-	934	938.5	938	-	-	Recommend survey of Low Building
BP-P545		M2	563	563	12.7	76	950	-	952.4	3.48	-	3.6	7.4	950	15" RCP - E	5.31	-	952	955.5	960	-	-	Recommend survey of Low Building
BP-P564		M3	428	428	30.8	75	962	-	964.42	5.49	-	8.4	17.9	962	12" RCP - E	3.96	-	-	967.5	964	-	-	
BP-P585		P	442	442	22.0	73	940	-	942.3	3.07	-	5.7	12.8	940	18" RCP - E	9	-	946	946	946	-	-	
BP-P1001					40.3	72	909	-	915.32	3.79	-	10	23.4	909	21" RCP - P	22.88	-	-	-	-	-	-	Apple Valley Subwatersheds
BP-P1002					25.3	73	908	-	912.68	9.21	-	6.5	14.7	908	12" RCP - P	7.43	-	-	-	-	-	-	Apple Valley: Subwatersheds
BP-P1003					22.5	74	900	-	905.7	13.4	-	6	13.1	900	12" RCP - P	4.08	-	-	-	-	-	-	Apple Valley Subwatersheds
BP-P1255		M2	168	168	22.3	70	990	-	990.59	9.41	-	5.2	13	989	24" RCP - P	6.44	-	1000	994	994	-	-	Rerouted LH 1255 to BP Watershed
BP-P1310		M2	239	239	27.3	71	944	-	947.11	3.89	-	6.6	15.9	944	12" RCP - P	4.15	-	960 (956 shed)	951	962	-	-	
BP-P1341		P	238	238	95.1	72	925	-	934.3	48.58	-	23.1	55.3	929.8	24" RCP - E	2	-	936 (944 shed)	937.5	934	936	1381	Proposed Outlet Control Structure-Operational Plan for 10-Day Event
BP-P1381		P	275	275	48.3	71	935	-	938.22	11.85	-	3.6	8.6	935	12" RCP - P	7.03	-	958	941.5	936	LS	1408	Add Berm & Pipe to Limit Discharge
BP-P1474		M2	337	337	11.7	75	938	-	948.53	1.08	-	10.6	6.8	946	24" RCP - P	18.7	-	954	952	954	944	1506	
BP-P1481		P	332	332	21.9	75	947	-	953.04	4.45	-	5.1	12.7	949	24" RCP - P	23.96	-	Under Const.	956	952	950	1527	
BP-P1505						75	930	-	934.01	0.54	-	1	2.1	930	24" RCP - P	6.48	-	Under Const.	937	934	-	-	Evermoor Development
BP-P1506		P	335	335	5.4	75	938	-	940.49	5.66	-	4.6	9.9	935.8	24" RCP - P	2.14	-	Under Const.	943.5	944	920	1408	Evermoor Development
BP-P1507			335			75	932.5	-	934.95	1.97	-	3.9	8.7	932.5	15" RCP - P	5.83	-	Under Const.	938		-	-	Evermoor Development
BP-P1527		P	345	345	8.6	75	936	-	952.07	16.27	-	2.2	4.1	944	24" RCP - P	23.02	-	Under Const.	955.5	950	-	-	Evermoor Development
BP-P1537		M2	367	367	22.8	75	935.7	-	937.62	5.1	-	6.4	13.6	935.7	12" RCP - E	3.28	-	938	940.6	954	954	1474	Minimal Freeboard
BP-P1565		P	389	389	22.9	75	909.2	-	914.14	3.14	-	6.1	13.3	909.2	24" RCP - E	28.49	-	918	918.5	918	-	-	
BP-P1570		M2	565	565	8.9	75	952	-	952.9	0.84	-	1.7	5.2	952	12" RCP - P	2.41	-	954	956	956	944	1506	
BP-P1679					13.6	75	918	924	926.33	7.91	8.4	3.4	7.9	926	Temp. Pump		2	932	932	938	-	-	Limit of City contour data
BP-P2423					16.1	74	940	-	942.34	1.87	-	4.3	9.3	940	18" RCP - P	10.73	-	Under Const.	948.5	948	-	-	Evermoor Development
BP-P2424		P	325	325	60.5	75	941.9	-	946.92	7.54	-	14.6	35.2	941.9	15" RCP - P	6.99	-	Under Const.	950	948	920	1408	Structure-10-Day Event Operational Plan
BP-P2425			325		29.2	66	950	-	953.26	2.41	-	5.9	17	950	24" RCP - P	22.74	-	Under Const.	956.5	955	-	-	
BP-P2426			325		17.9	76	950.7	-	953.27	2.14	-	5.1	10.4	950.7	12" RCP - P	11.97	-	Under Const.	956.3	955	-	-	
BP-P3408	Marcotte Pond	M2	577	293	55.0	73	906	-	911.83	35.82	-	20.6	46.9	906	Lift Station	15	-	914	914.8	-	-	-	Combined Basin #1408,#1386,#1374
Coates District																							
CP-P2217					193.5	72	894	-	908.62	52.63	-	43.3	112.6	894	12" RCP - P	6.13	-	-	-	-	-	-	No contours-Outside City Limits
CP-P2316					165.0	72	886	-	914.03	128.95	-	41.2	96	886	Lift Station	3	-	-	-	-	-	-	No contours-Outside City Limits-Regional Pond
East Rich Valley District																							
ERV-P1526					54.2	84	886	-	891.89	12.92	-	18.95	31.8	886	15" RCP - P	6.85	-	900	899	898	848	1614	
ERV-P1614					77.6	84	844	-	850.58	18.32	-	27.14	45.53	844	21" RCP - P	17.27	-	880	854	848	842	1707	
ERV-P1638					70.9	84	850	-	856.42	15.66	-	24.79	41.6	850	18" RCP - P	12.17	-	892	861	860	848	1614	Site
ERV-P1707		P	438 & 432		750.3	78	820	-	828.9	283.99	-	200.82	371.73	820.1	[redacted]	623.67	-	832	832	842	838	1869	
ERV-P1713					30.8	84	832	-	837.45	4.86	-	10.77	18.07	832	21" RCP - P	19.38	-	-	840.5	840	842	1707	
ERV-P1781					94.1	84	830	-	934.5	22.8	-	32.91	55.22	830	24" RCP - P	14.1	-	844	838	844	838	1869	
ERV-P1814		M2	602	602	74.3	70	830	-	839.48	31.41	-	17.37	43.61	830	36" RCP - P	54.93	-	848	853.5	842	842	1707	
ERV-P1869					675.1	82	826	-	833.63	184.74	-	193.42	328.32	826	48" RCP - P	95.64	-	842	838	838	836	1952	CSAH 42 Regional Basin
ERV-P1941					203.5	80	840	-	850.23	43.41	-	64.12	119.46	840	36" RCP - P	57.19	-	860	853.5	850	838	1869	Create Additional Stormwater Storage
ERV-P1952					241.3	80	827	-	830.88	49.45	-	73.04	141.63	827	48" RCP - P	67.34	-	838	834	836	834	2422	Regional Basin
ERV-P1978					131.7	81	892	-	902.59	23.26	-	42.62	77.29	892	24" RCP - P	31.21	-	-	905.6	902	850	1941	
ERV-P2133		NC	492	492	59.0	72	906	-	910.31	11.68	-	14.72	34.62	906	12" RCP - P	2.99	-	912	913.3	914	850	1941	
ERV-P2134					289.1	72	831	-	838.93	66.71	-	72.11	169.74	832	36" RCP - P	40.31	-	842	842	836	834	2422	
ERV-P2161		M2	693	693	99.2	72	896	-	905.76	74.89	-	24.74	56.22	896	15" RCP - P	4.26	-	912	909	898	850	1914	
ERV-P2179		NC	499	499	184.8	72	904	-	907.03	45.22	-	46.1	108.46	904	12" RCP - P	3.97	-	914	910	912	914	2195	
ERV-P2191					112.3	72	894	-	900.19	15.37	-	28.01	65.91	891	27" RCP - P	31.55	-	900	904	898	836	2134	
ERV-P2195					23.8	72	902	-	907.68	12.11	-	5.94	13.97	902	15" RCP - P	4.67	-	912	912	914	898	2161	
ERV-P2235					60.5	72	870	-	876.01	7.87	-	15.1	35.5	870	12" RCP - P	23.37	-	-	881	880	934	2422	Create Additional Stormwater Storage
ERV-P2259					83.9	72	906	-	910.17	14.47	-	20.93	49.23	906	15" RCP - P	7.01	-	-	913.5	908	898	2161	
ERV-P2267					47.2	72	902	-	906.74	10.74	-	11.77	27.7	902	12" RCP - P	1.82	-	908	910	910	914	2327	
ERV-P2286					148.7	72	882	-	890.08	28.17	-	37.09	87.27	882	21" RCP - P	13.43	-	902	894	888	878	2341	
ERV-P2327					61.0	72	900	-	907.65	30.88	-	15.22	35.8	900	15" RCP - P	5.06	-	914	911	914	888	2286	
ERV-P2341					59.1	72	876	-	881.9	32	-	14.74	34.69	876	24" RCP - P	12.8	-	900	885	880	-	Out of City	
ERV-P2422					469.7	73	824	-	833.6	396.53		136.32	275.72	824	72" RCP - P	48.66	-	834	837	836	-	Out of City	Regional Basin-Construct Berm on East to Create Stormwater Storage

Note:
(1) WMP Classification, P-Preserve, M1-Manage 1, M2-Manage 2, M3-I
(2) E=Existing, P=Proposed, RCP=Reinforce Concrete Pipe
(3) The low building, high water, and overflow elevations shown above are approximate based on the City topographic mapping. These elevations should be field verified for accuracy when devleopment takes place in the area.

2005 - COMPREHENSIVE STORM WATER MANAGEMENT PLAN UPDATE

POND ID	BASIN NAME	WETLAND MANAGEMENT PLAN CLASSIFICATION (1)	WETLAND MANAGEMENT PLAN ID	WETLAND MANAGEMENT PLAN ID	DRAINAGE AREA	FULLY DEVELOPED SCS CURVE NUMBER	EST. NWL/ TYPICAL/ PUMP OFF WATER ELEV.	EST. MANAGEMENT WATER ELEV. (PUMP ON)	EST. 100 YEAR HIGH WATER ELEV. (3)	STORM WATER STORAGE AT 100 YEAR HWL (AC-FT)	STORM WATER STORAGE AVAIL. FROM PUMP ON ELEVATION (AC-FT)	24 HOUR 100 YEAR RUNOFF VOLUME (AC-FT)	10 DAY 100 YEAR RUNOFF VOLUME (AC-FT)	OUTLET ELEVATION	OUTLET DESCRIPTION (2)	CRITICAL EVENT PEAK DISCHARGE RATE (CFS)	TEMPORARY PUMPING DISCHARGE RATE (CFS)	EXISTING LOW BUILDING ELEVATION (3)	MINIMUM BUILDING ELEVATION	APPROX. EXISTING OVERFLOW ELEV. (3)	DOWNSTREAM POND OVERFLOW ELEV (3)	POND DOWNSTREAM ID	COMMENTS
Erickson Pond District																							
EP-P578	Erickson Pond	P	620	620	166.2	71	923	-	941.56	170.89	-	40.15	97.56	923	Lift Station - P	5	-	940	945	942	932	1770	
EP-P756					14.5	79	968	-	969.95	2.54	-	4.45	8.51	968	12" RCP - P	4.56	-	974	974	974	932	1770	Discharges to Biscayne Ave. Storm sewer
EP-P786					8.9	75	966.4	-	968.25	1.15	-	2.43	5.22	966.4	15" RCP - P	5.68	-	-	971.5	976	932	1770	
EP-P1662		M3	419	419	18.4	75	946	-	951.63	2.38	-	5.03	10.8	946	15" RCP - P	8.4	-	-	954.6	952	942	1752	Evermoor Development
EP-P1711		M2	571	571	17.0	63	953	-	955.67	2.28	-	3.08	9.98	953	18" RCP - E	11.8	-	960	958.7	958	942	1752	
EP-P1752	Schwartz Pond	P	431	431	208.2	67	924.5	-	930.17	61.41	-	43.9	122.26	924.5	Lift Station - E	6.8	-	930.2	933.5	942	-	-	Rosemount High School - No Freeboard-10 Day Event
EP-P1754					20.6	58	956	-	959.03	2.43	-	3.02	12.09	956	12" RCP - P	2.33	-	-	962	970	942	1752	
EP-P1770		P	450	450	42.7	74	928	-	938.5	19.2	-	4.79	11.27	928	12" RCP - E	1.47	-	942	943	932	942	578	
EP-P1821		M2	452	452	34.0	64	926	936	932.69	12.14	20	6.41	19.95	926	Temp. Pump		2	938	937	936	940	1833	Temp. Pumping -Management Plan-Equalize w/#1833
EP-P1833		M2	570	570	29.6	82	928	936	932.87	5.73	16	5.18	17.37	928	12" RCP - P	1.57	-	942	937	940	926	1752	Management Plan w/Basin #1821-Equalize w/#1821
EP-P1990	Buisness Park	M2	487	487	76.1	82	922	-	943.62	121.64	-	25.29	44.67	922	12" RCP - P	32.98	-	-	947	948	946	2030	Buisness Park Basin-Assumes Basin has Infiltrated to Bottom Elevation for available live pool
EP-P2019		M3	575	575	135.2	75	944	-	949.5	19.87	-	36.88	79.38	944	36" RCP - P	36.72	-	-	952.5	952	950	2097	
EP-P2030		M2	578	578	143.3	77	936.1	-	946.59	26.29	-	27.69	56.1	936.1	24" RCP - E	38.28	-	-	949	946	946	2442	
EP-P2097		M3	591	591	266.0	73	940	-	944.16	40.14	-	50.22	114.53	940	27" RCP - P	33.35	-	-	947.5	950	948	UMW - P2104	
EP-P2119		M3	491	491	3.4	81	930	-	941.54	1.43	-	1.1	2	930	12" RCP - E	1.13	-	952	947	946	952	2162	
EP-P2162		M2	495	495	32.3	75	916	-	943.58	76.57	-	8.83	18.96	916	Lift Station - P	18	-	952	947	946	950	2097	Proposed U of Minn. Infiltration Basin
EP-P2164		M3	594	594	23.0	84	930	-	935.12	8.09	-	9.04	13.5	930	12" RCP - P	2.57	-	942	947	948	950	2274	
EP-P2187		M3	493	493	10.0	85	940	-	943.8	6.4	-	1.23	2.11	940	12" RCP - P	32.35	-	942	947	954	948	2164	
EP-P2274		M3	504	504	222.0	84	932	-	948.48	182.54	-	62.99	105.73	932	36" RCP - P	30.25	-	948	949	950	-	Out of City	Discharge to basin from Shannon Pond and Wachter Lake requires Operational Plan
EP-P2302		M2	510	510	245.4	77	914	-	946.33	319.51	-	50.13	90.96	914	33" RCP - P	17.34	-	952	951	950	-	Out of City	Proposed U of Minn. Infiltration Basin
EP-P2442		M3	579	579	26.2	80	942	-	948.74	21.93	-	8.26	15.38	942	15" RCP - P	10.21	-	960	952	946	946	2030	
EP-P2474		M3	577	577	37.5	79	950	-	956.03	11.26	-	11.5	22	950	12" RCP - P	6.09	-	960	959	958	946	2442	
Hawkins Pond District																							
HP-P77	Hawkins Pond	M1	462	462	92.5	71	916.5	-	928.39	91.45	-	22.35	53.61	916.5	Lift Station-E	3	-	932	932	950	LIFT STATION	950	
HP-P589		M2	468	468	43.1	75	925.6	-	929.41	2.96	-	11.79	25.07	925.6	36" RCP - E	92.3	-	932	932.4	928	950	77	
HP-P596		P	463	463	56.1	74	932	-	936.04	8.64	-	14.62	32.05	932	18" RCP - E	10	-	934	939	944	926	589	
HP-P1935					49.0	71	950	-	957.48	4.78	-	11.84	28.5	950	27" RCP - P	27.1	-	958	960.5	958		Out of City	
HP-P1950					11.4	72	952.5	-	956.06	1.3	-	2.84	6.63	952.5	12"RCP - E	6.03	-	958	959	956	928	589	
Keegan Lake District																							
KL-P1334		P	258	258	47.1	72	962	-	964.33	6.57	-	11.57	27.64	962	18" RCP - P	10.49	-	970	969	968	942	1467	
KL-P1356		P	284	284	42.8	73	938	-	944.89	35.12	-	11.02	25.12	942.7	24" RCP - P	5.92	-	948	948	942	952	1465	
KL-P1405		M1	288	288	26.2	73	937.5	-	944.68	28.86	-	6.74	15.38	942.5	24" RCP - P	7.31	-	950	948	946	942	1355	
KL-P1409		M2	290	290	16.0	73	954	-	955.64	2.32	-	4.12	8.39	954	12" RCP - P	3.67	-	960	959	958	944	1451	
KL-P1423		P	283	283	16.8	71	946	-	948.24	2.82	-	4.06	9.86	946	12" RCP - P	1.37	-	952	952	950	944	1433	
KL-P1431	Keegan Lake	P	310	310	91.1	78	940.7	-	943	90	-	40.8	83	940.7	30" RCP - P	16	-	946	946	942	942	1467	Outlet Control Sturcture
KL-P1433		P	309	309	34.1	72	944	-	947.38	12.18	-	8.51	20.01	944	12" RCP - P	1.67	-	946	950.5	944	944	1486	
KL-P1435		M1	296	296	33.9	76	944	-	945.23	9.4	-	9.55	19.89	944	24" RCP - P	2.19	-	954	949	952	952	1465	
KL-P1451		M1	307	307	20.8	72	941	-	943.91	8.8	-	5.19	12.21	941	12" RCP - P	1.68	-	-	947	944	942	1467	
KL-P1465		P	314	314	8.9	74	940	-	945.09	8.12	-	2.36	5.22	943.5	5' BCW	9.12	-	948	948	952	948	1482	
KL-P1467		P	320	320	49.2	74	940.7	-	943.2	20.27	-	13.06	28.88	940.7	24" RCP - P	10.75	-	952	946	942	942	1431	
KL-P1482		M2	324	324	9.0	71	940	-	943.6	3.06	-	2.17	5.28	942	30" RCP - P	7.95	-	952	947	948	942	1431	
KL-P1486					131.1	73	926	-	934.29	44.18	-	37.11	84.67	926	12" RCP - P	4	-	936	938	944	944	1433	Evermoor Development
KL-P1508					53.6	75	928	-	934.46	9.44	-	7.99	17.14	928	12" RCP - P	1.38	-	962	938	956	944	1486	Evermoor Development
KL-P1521		M2	339	339	14.1	70	950	-	954.65	5.47	-	3.3	8.27	954	10' BCW	13.49	-	956	958	956	952	1435	
KL-P1540		M2	356	356	9.4	66	948	-	948.96	0.86	-	1.63	4.69	948	12" RCP - P	2.07	-	952	956	958	942	1431	Broockway Golf Course North Basin
KL-P1552		M2	394	394	36.9	72	932	-	936.61	6.93	-	6	14.55	932	12" RCP - P	2.19	-	956	940	962	944	1486	
KL-P1568		M2	384	384	24.8	71	952	-	955.34	2.88	-	5.94	14.43	952	15" RCP - P	7.84	-	970	959	956	946	2471	
KL-P1589		M2	425	425	85.9	71	924	-	938.48	25.65	-	20.75	50.42	926	Lift Station - P	3	-	952	947	952	946	1622	Trailer Park Basin
KL-P1622		M3	417	412	11.2	66	940	-	945.68	6.25	-	6.24	19.43	940	6" Orifice-12" RCP - P	2.2	-	-	949	946	952	1687	Brockway Golf Course East Basin
KL-P1671					48.5	73	950	-	952.1	9.32	-	12.48	28.46	950	12" RCP - P	3.66	-	-	958	956	932	1795	Biscayne Point 4th Add. & St Josephs Church Basin
KL-P1680		M2	408	408	13.6	63	958	-	961.37	5.23	-	4.73	15.32	958	12" RCP - P	1.67	-	956	964.5	962	944	1552	Brockway Golf Course West Basin
KL-P1687		M3	415	415	80.8	70	932	-	939.01	22.65	-	10.42	22.36	932	30" RCP - P	23.94	-	-	942	952	946	1622	Connemara Trail Basin
KL-P1716					178.1	73	918	-	925.48	64.83	-	33.54	76.48	918	24" RCP - P	32.9	-	-	932	934	932	1795	Proposed Outlet Control Stucture for Infiltration Basin
KL-P1795		P	448	448	90.2	74	916	-	921.86	80.19	-	23.94	52.94	916	30" RCP - P	33.1	-	-	925	932	920	1864	
KL-P1864					119.3	72	904	-	915.97	72.16	-	21.2	49.89	904	48" RCP - P	36.1	-	932	920	920	922	1918	Equalize w/ Basin #1918
KL-P1918		M2	469	469	156.1	74	905	-	915.56	79	-	41.4	91.7	902.5	48" RCP - P	64	-	-	920	922	934	UMW - P1994	Equalize w/ Basin #1864
KL-P2471		P	359	359	51.2	74	944	-	946.3	9	-	13.6	30	940.7	18" RCP - P	3	-	952	946	946	942	1431	Equalize w/Keegan Lake
KL-P2472			359		3.4	80	939	-	945.1	10.21	-	1.07	2	940.5	18" RCP - P	10.25	-	950	948	940	942	1355	

Note:

(1) WMP Classification, P-Preserve, M1-Manage 1, M2-Manage 2, M3-Manage 3, NC-Not Classified

(2) E=Existing, P=Proposed, RCP=Reinforce Concrete Pipe

(3) The low building, high water, and overflow elevations shown above are approximate based on the City topographic mapping. These elevations should be field verified for accuracy when devleopment takes place in the area.

2005 - COMPREHENSIVE STORM WATER MANAGEMENT PLAN UPDATE

POND ID	BASIN NAME	WETLAND MANAGEMENT PLAN CLASSIFICATION (1)	WETLAND MANAGEMENT PLAN ID	WETLAND MANAGEMENT PLAN ID	DRAINAGE AREA	FULLY DEVELOPED SCS CURVE NUMBER	EST. NWL/ TYPICAL/ PUMP OFF WATER ELEV	EST. MANAGEMENT WATER ELEV (PUMP ON)	EST. 100 YEAR HIGH WATER ELEV. (3)	STORM WATER STORAGE AT 100 YEAR HWL (AC-FT)	STORM WATER STORAGE AVAIL. FROM PUMP ON ELEVATION (AC-FT)	24 HOUR 100 YEAR RUNOFF VOLUME (AC-FT)	10 DAY 100 YEAR RUNOFF VOLUME (AC-FT)	OUTLET ELEVATION	OUTLET DESCRIPTION (2)	CRITICAL EVENT PEAK DISCHARGE RATE (CFS)	TEMPORARY PUMPING DISCHARGE RATE (CFS)	EXISTING LOW BUILDING ELEVATION (3)	MINIMUM BUILDING ELEVATION	APPROX EXISTING OVERFLOW ELEV. (3)	DOWNSTREAM POND OVERFLOW ELEV (3)	POND DOWNSTREAM ID	COMMENTS
Koch District																							
K-P1000					100.7	88	856	870	864.5	58.6	50	38.8	58.6	-	Temp. Pump - P	-	3	890	885	882	-	-	Temp. Pumping to Basin # K-P1505-South East Gravel Pit
K-P1001					285.0	88	942	952	957.7	166	100	110	166	-	Temp. Pump - P	-	3	859	862	860	860	1270	Control structure to Basin #1270-Off Peak discharge-Proposed storage
K-P1002					155.0	88	842	855	859	90	40	60	90	-	Temp. Pump - P	-	3	-	863	858	860	1270	Control structure to Basin #1270-Off Peak discharge
K-P1003					73.0	88	862	874	873.1	42.5	40	28.1	42.5	-	Temp. Pump - P	-	3	-	880	880			North West Gravil Pit-28' bounce
K-P1004					104.0	88	858	875	877.7	58	88	58	88	-	Temp. Pump - P	-	3	-	882	-	-	-	North East Basin-Discharge & EOF to North West Basin
K-P1005					47.0	88	910	-	915.4	8.5	-	18.2	27.4	-	24" RCP - P	31.55	-	928	920	918	890	1004	Proposed discharge to Basin # 1004
K-P1147					85.3	84	854	-	857.58	21.96	-	31.93	53.58	854	12" RCP - P	13.68	-	862	863	862	860	1270	
K-P1270					98.9	84	854	-	858	28.34	-	34.57	58.02	854	12" RCP - P	5.98	-	-	861	860	858	1458	
K-P1440					57.7	84	882	-	884.97	14.24	-	20.18	33.87	882	18" RCP - P	7.72	-	902	888	884	880	1505	
K-P1458					50.1	84	856	-	859.96	13.51	-	17.52	29.4	856	12" RCP - P	3.96	-	-	863	858	858	1339	
K-P1476					84.7	84	872	-	879.27	15.08	-	29.62	49.71	872	L.S. 60 gpm	111.66	-	888	883	880	880	1505	
K-P1505					37.6	84	871.5	-	882.28	51.57	-	30.98	52	871.5	15" RCP - P	6.27	-	902	885.3	880	-	LIFT STATION	
K-P1566					23.4	84	878	-	881.66	4.93	-	8.18	13.73	878	12" RCP - P	5.6	-	-	885	884	880	1505	
Lebanon Hills District																							
LH-P1279		M1	204	204	41.2	72	937	-	940.14	7.33	-	10.27	23.97	937	12" RCP - P	3.7	-	956	947	946	944	1237	
LH-P1003		M2		12	18.0	71	964	970	967.73	10.47	20	4.35	10.47	968	Temp. Pump - P		2	988	973	-	-	Out of City	Pump. as required to Basin #1104
LH-P1008		P	17	17	7.8	78	928	-	930.74	12.42	-	2.21	4.3	928	12" RCP - P	4.67	-	940	935	932	-	Out of City	Limit of City contour data
LH-P1009		P	21	21	18.2	77	928	-	928.96	3.83	-	5.28	10.59	928	12" RCP - P	2.08	-	936	935	934	-	Out of City	Limit of City contour data
LH-P1010		M2	18	18	8.6	73	924	-	925.55	1.14	-	2.21	5	924	12" RCP - P	3.09	-	940	930	928	-	Out of City	Limit of City contour data
LH-P1012		P	20	20	34.6	78	928	-	930.83	25.77	-	6.69	20.13	928	12" RCP - P	4.47	-	940	934	932	-	Out of City	Limit of City contour data
LH-P1014		P	22	22	7.2	79	936	-	939.9	19.78	-	6.93	15.12	936	12" RCP - P	5.82	-	950	943	940	-	Out of City	Limit of City contour data
LH-P1026		M2	31	31	26.0	73	963	-	964.76	6.7	-	2.57	5.47	963	12" RCP - P	2.71	-	966 (shed?)	969	968	-	Out of City	Limit of City contour data
LH-P1099		P	33	33	22.6	79	938	-	938.93	7.31	-	3.28	8.4	938	12" RCP - P	23.4	-	948	943	940	940	1014	
LH-P1100		M2	24	24	9.4	75	941	-	942.31	2.71	-	1.67	3.67	942	5' BCW	2.28	-	944	946	944	940	1099	
LH-P1104		M2	658	658	11.0	78	929	-	932.48	12.08	-	3.87	9.31	932	10' BCW	8.6	-	930	936	934	-	Out of City	Limit of City contour data
LH-P1136		M3	49	49	6.3	74	962	968	965.36	3.67	-	5.92	15.76	968	12" RCP - P		3	970	970	968	944	1137	Control Structure to manage NWL
LH-P1137		M2	54	54	16.0	71	940	-	942.2	2.03	-	8.18	10.6	942	10' BCW	6.64	-	948	946	944	932	1004	Control Structure to manage NWL
LH-P1144		P	70	70	27.1	68	978	983	982.17	23.04	24	7.63	17.8	983	12" RCP - P		3	998	990	998	-	Out of City	2 stage outlet -requires management plan
LH-P1149		M2	86	86	30.8	74	968	-	969.25	5.85	-	2.52	5.35	968	12" RCP - P	2.72	-	986	974	972	968	1026	
LH-P1167		M2	109	109	30.6	72	972	978	978.11	17.76	16	7.63	17.8	978	15" RCP - P	0.06	-	986	986	986	944	1137	Control Structure to manage NWL
LH-P1177		M2	112	112	9.2	75	952	958	955.18	5.35	6	2.52	5.35	959	12" RCP - P		3	960	963	962	938	1222	Control Structure to manage NWL
LH-P1179		P	46	46	55.4	75	930	-	931.67	17.39	-	15.15	32.23	931	5' BCW	7.16	-	942	935	932	932	1008	
LH-P1131	Wilde Lake	M2		65	96.2	76	931	-	931.4	50.24	-	27.1	56	931	10' Channel - P	6.59	-	940	936	931	932	1012	
LH-P1162	Kirschner Marsh	M1		61	58.6	81	949	-	950.2	26.7	-	18.97	34.09	949	15" RCP - P	2.6	-	952	953	948	940	1099	
LH-P1194		M2	118	118	12.5	63	984	-	985.51	2.29	-	2.27	7.27	985	10' BCW 2.6 cfs	8.51	-	996	990	985	996	1144	
LH-P1205		M2	138	138	10.1	72	945	-	947.14	3	-	2.52	5.88	946.5	8' BCW 2.6 cfs	10.73	-	958	951	948	938	1222	
LH-P1213		M1	173	173	27.9	73	918	930	929.84	43.84	40	7.18	16.23	929	Temp. Pump		2	938	935	944	932	1131	Temp. pump-mangement plan required-Proposed discharge to Marcotte Pond BP-1408
LH-P1221		M2	120	120	20.7	72	954	-	955.6	2.65	-	5.16	12.04	955	8' BCW 2.6 cfs	9.73	-	960	960	956	948	1205	2 stage outlet structure
LH-P1222		M2	183	183	15.9	71	934	-	936.98	4.69	-	3.84	9.25	938	8' BCW 2.6 cfs	3.92	-	-	942	938	944	1264	
LH-P1237	Roadbed Pond	M1	159	159	19.5	76	937	-	938.8	6.92	-	5.49	11.34	937	12" RCP - P	3.92	-	956	945	944	932	1131	
LH-P1254		P	182	182	17.0	71	952	-	953.25	1	-	4.12	9.89	950	24" RCP - P	19.3	-	954	957	968	962	1162	
LH-P1264		M2	192	192	15.3	71	930	-	937.95	5.77	-	3.7	8.9	930	18" RCP - P	11.41	-	940	941	944	-	BP - P1341	Limit of City contour data
LH-P1297		M2	199	199	7.9	72	943	-	944.15	0.82	-	1.97	4.6	943	30' RCP - P	7.06	-	974	949	948	946	1337	
LH-P1326		M2	202	202	19.0	71	944	-	947.68	3.17	-	4.59	11.05	947	18' BCW 2.6 cfs	7.21	-	954	51	948	946	1337	
LH-P1333	Unamed		202	-	27.5	77	946	-	948.4	16	-	7.97	16	949	12' BCW 2.6 cfs		-	958	952	950	948	1279	Outlet Control Structure
LH-P1337				-	11.4	70	936	-	939.3	0.85	-	2.67	6.63	938	24" RCP - P	11.09	-	938	944	946	944	1264	Verify Low Building Elevation
LH-P1351		M2	200	200	21.5	71	932	-	935.58	2.76	-	5.19	12.51	932	12" RCP - P	4.84	-	940	939	944	-	BP - P1341	Limit of City contour data
LH-P1389		P	260	260	15.0	76	948	-	950.13	8.73	-	4.23	8.73	952.5	30' BCW		-	960	956	954	948	1383	Outlet Control Structure
Mississippi River District																							
MR-P1364					35.8	84	886	-	898.29	9.63	-	12.03	20.82	886	15" RCP - P	15.94	-	906	902	890	-	Mississippi River	Create stormwater storage in Ravine
MR-P1378					26.8	84	910	-	913.24	4.46	-	9.02	15.589	910	24" RCP - P	15.45	-	916	917	918	890	1364	
MR-P1469					25.5	84	904	-	908.46	5.2	-	8.58	14.83	904	12" RCP - P	5.92	-	914	912	910	-	Mississippi River	
MR-P1491					24.0	84	844	-	853.1	4.77	-	8.07	13.96	844	12" RCP - P	4.68	-	890	86	870	-	Mississippi River	
MR-P1517					230.9	84	786	-	799.94	52.21	-	73.76	127.92	786	96" RCP - P	762.98	-	810	807	804	-	Mississippi River	Trunkline to Mississippi River
MR-P1551					39.3	84	838	-	844.33	9.86	-	13.22	23.06	838	12" RCP - P	4.03	-	890	850	852	804	1517	
MR-P1659		M3	683	683	19.6	84	886	-	889.31	4.42	-	6.82	11.44	886	12" RCP - P	3.49	-	894	894	892	804	1517	
MR-P1677					19.5	84	888	-	891.93	4.2	-	6.82	11.44	888	12" RCP - P	4.02	-	894	896	894	804	1517	
MR-P1683					82.7	84	848	-	860.44	4.47	-	27.91	48.11	848	48" RCP - P	195.51	-	-	864	850	812	2398	Proposed stormwater storage
MR-P1717					25.3	84	890	-	893.84	6.19	-	3.85	14.72	890	12" RCP - P	3.14	-	902	897	892	804	1517	
MR-P1720					70.0	84	808	-	815.1	34.39	-	23.63	40.72	808	30" RCP - P	50.93	-	822	820	818	-	Mississippi River	
MR-P1799		M3	684	684	25.5	84	888	-	893.29	5.94	-	8.59	14.83	888	12" RCP - P	2.95	-	902	897	890	850	1683	
MR-P1825					35.4	84	882	-	889.13	8.53	-	11.93	20.59	882	12" RCP - P	3.51	-	896	895	894	818	1720	
MR-P2398					23.6	83	810	-	815.25	9.5	-	7.76	13.73	810	66" RCP - P	167.53	-	822	819	812	-	Mississippi River	
MR-P2402					62.4	77	802	-	805.87	13.53	-	17.84	36.3	802	12" RCP - P	4.41	-	-	812	810	-	Mississippi River	Proposed stormwater storage

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2005 - COMPREHENSIVE STORM WATER MANAGEMENT PLAN UPDATE

POND ID	BASIN NAME	WETLAND MANAGEMENT PLAN CLASSIFICATION (1)	WETLAND MANAGEMENT PLAN ID	WETLAND MANAGEMENT PLAN ID	DRAINAGE AREA	FULLY DEVELOPED SCS CURVE NUMBER	EST. NWL/ TYPICAL/ PUMP OFF WATER ELEV.	EST. MANAGEMENT WATER ELEV. (PUMP ON)	EST. 100 YEAR HIGH WATER ELEV. (3)	STORM WATER STORAGE AT 100 YEAR HWL (AC-FT)	STORM WATER STORAGE AVAIL. FROM PUMP ON ELEVATION (AC-FT)	24 HOUR 100 YEAR RUNOFF VOLUME (AC-FT)	10 DAY 100 YEAR RUNOFF VOLUME (AC-FT)	OUTLET ELEVATION	OUTLET DESCRIPTION (2)	CRITICAL EVENT PEAK DISCHARGE RATE (CFS)	TEMPORARY PUMPING DISCHARGE RATE (CFS)	EXISTING LOW BUILDING ELEVATION (3)	MINIMUM BUILDING ELEVATION	APPROX. EXISTING OVERFLOW ELEV. (3)	DOWNSTREAM POND OVERFLOW ELEV (3)	POND DOWNSTREAM ID	COMMENTS
Shannon Ponds District																							
SP-P609		P	618	618	97.7	70	921.6	-	927.67	13.24	-	22.84	56.83	921.6	15" RCP - E	16.67	-	928	931	932	938	6091	
SP-P614	Shannon Pond	M1	576	576	143.0	71	914	-	924.54	85.65	-	34.54	83.18	914.5	Lift Station - P	21	-	926	928	-	-	Out of City	Limit of City contour data
SP-P2111	Wensmann Pond	M2	595	595	88.1	72	944.5	-	947.95	28.36	-	21.98	51.25	944.5	21" RCP - E	18.09	-	952	952	-	-	Out of City	Flow enters from outside City Limits
SP-P2270					12.5	84	926	-	930.04	2.83	-	4.37	7.27	926	12" RCP - P	2.76	-	-	938	936	944	2450	
SP-P2447		M3	623	623	171.0	73	923	-	928.48	18.31	-	18.15	37.63	923	12" RCP - P	3.04	-	946		938	-	Out of City	Limit of City contour data
SP-P2448		M2	616	616	30.9	72	919	-	925.58	18.62	-	4.96	11.58	919	18" RCP - E	7.81	-	948		938	-	Out of City	Limit of City contour data
SP-P2450		M2	619	619	17.6	68	926	-	929.54	2.52	-	3.84	10.24	926	15" RCP - P	4.69	-	946		944	938	2447	
SP-P6091		M2	617	617	18.2	72	921	-	925.59	7.09	-	4.54	10.59	921	30" RCP - E	14.71	-	928		936	938	2448	
U OF M East District																							
UME-P1835					339.2	78	852	-	865.46	105.33	-	79.62	144.49	852	33" RCP - P	57.47	-	880	869	862	840	ERV - P1814	Regional basin
UME-P1880		P	461	461	28.3	87	904	-	905.62	7.7	-	10.54	16.46	904	12" RCP - P	3.56	-	928	911	910	862	1835	
UME-P1896					110.3	74	925	-	931.48	18.76	-	44.39	89.06	928	36" RCP - P	79.49	-	936	936	934	934	1926	2 stage outlet - Rerouted to WRV 1787
UME-P1905		M2	471	471	51.9	72	927	-	931.24	10.27	-	12.95	30.19	927	15" RCP - P	4.05	-	938	936	934	914	2040	
UME-P1926					65.7	82	924	-	927.97	9.2	-	6.64	13.32	926	15" RCP - P	2.38	-	936	932	934	926	2047	
UME-P1968					125.2	65	904	-	910.84	15.77	-	24.53	33.18	904	30" RCP - P	41.4	-	-	915	914	862	1835	
UME-P2040					143.4	80	910	-	916.63	39.85	-	45.19	83.41	910	33" RCP - P	34.52	-	920	920	914	914	1968	Create Stormwater storage
UME-P2047					121.8	76	918	-	923.63	19.39	-	34.31	70.85	918	33" RCP - P	29.69	-	926	927	926	914	2040	
UME-P2080					180.9	72	910	-	921.4	88.3	-	13.69	105.23	910	21" RCP - P	17	-	-	925	920	862	1835	
UME-P2247					139.1	84	914	-	923.7	40.71	-	48.64	80.91	914	18" RCP - P	8.38	-	922	927	924	916	2285	
UME-P2285					146.2	83	898	-	914.52	48.2	-	49.85	85.04	898.1	Lift Station	16	-	922	918	916	-	-	
UME-P2328					175.1	84	920	-	927.5	50.76	-	61.23	101.85	926	18" RCP - P	10.25	-	-	931	926	916	2285	Create Stormwater storage
U of M West District																							
UMW-P1737					55.5	73	938	-	942.28	10.56	-	14.29	32.28	938	12" RCP - P	3.82	-	950	945.5	942	932	1783	Reroute to WRV watershed
UMW-P1783					157.7	73	914	-	924.66	47.89	-	40.59	91.73	914	27" RCP - P	18	-	940	926	932	932	1816	
UMW-P1816					71.8	73	913	-	920.6	28.7	-	18.48	41.77	913	24" RCP - P	36.7	-	936	926	932	930	1970	Create stormwater storage- Discharge to future trunkline
UMW-P1981					54.5	83	936	-	940.9	12.16	-	9.89	31.7	936	12" RCP - P	1.86	-	-	944	940	910	2013	
UMW-P1994					58.2	72	912	-	919.91	5.9	-	14.52	33.65	912	15" RCP - P	5.9	-	942	923	924	934	2027	
UMW-P2013		M2	675	675	297.7	73	884	-	904.03	384.17	-	77.66	173.17	884.6	Lift Station	16	-	932	910	910	-	-	
UMW-P2027		M2	651	651	22.8	68	910	-	918.8	5.12	-	4.98	13.26	910	18" RCP - P	6.23	-	942	920	924	910	1994	
UMW-P2063					39.2	69	914	-	918.74	5.71	-	8.86	22.8	914	12" RCP - P	4.09	-	938	922	930	924	2082	
UMW-P2067					81.1	71	916	-	920.93	4.99	-	7.51	16.09	916	12" RCP - P	3.12	-	-	924	934	-	-	
UMW-P2082		M2	490	490	48.6	76	904	-	914.44	23.26	-	13.69	28.27	904	24"RCP - P	19.9	-	938	919	924	916	2112	
UMW-P2104					70.4	72	944	-	949.18	13.95	-	17.56	22.97	944	12" RCP - P	3.09	-	948	952	948	940	2192	Create stormwater storage
UMW-P2112		M2	657	657	94.4	84	886	-	904.84	118.42	-	33.01	54.91	886	33" RCP - P	13.21	-	934	910	916	910	2013	
UMW-P2189					75.3	72	940	-	945.87	21.94	-	18.78	43.8	940	12" RCP - P	5.14	-	948	948	946	910	2192	
UMW-P2192					66.7	72	926	-	931.09	11.49	-	16.64	38.8	926	21" RCP - P	14.02	-	944	935	940	916	2112	
UMW-P2234					81.6	84	910	-	919.83	19.18	-	32.03	53.28	910	30" RCP - P	45.82	-	928	923	926	930	2284	
UMW-P2246					104.1	72	944	-	951.1	28.4	-	25.97	60.55	944	12" RCP - P	3.02	-	948	954	950	846	2189	Create stormwater storage
UMW-P2281					97.4	83	930	-	934.84	21.48	-	33.21	56.99	930	21" RCP - P	12.75	-	934	936	936	926	2234	
UMW-P2284					123.4	84	926	-	932.23	31.62	-	43.15	31.62	926	21" RCP - P	17.21	-	930 (928 shed)	935	930	926	2234	
UMW-P2296					54.6	84	910.5	-	924.85	20.37	-	19.09	20.37	910.5	21" RCP - P	18.98	-	928	929	928	926	2234	
UMW-P2342					186.5	72	933	-	941.6	58.73	-	46.52	58.73	934	15" RCP - P	4.29	-	930	945	936	930	2284	Create stormwater storage

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2005 - COMPREHENSIVE STORM WATER MANAGEMENT PLAN UPDATE

POND ID	BASIN NAME	WETLAND MANAGEMENT PLAN CLASSIFICATION (1)	WETLAND MANAGEMENT PLAN ID	WETLAND MANAGEMENT PLAN ID	DRAINAGE AREA	FULLY DEVELOPED SCS CURVE NUMBER	EST. NWL/ TYPICAL/ PUMP OFF WATER ELEV.	EST. MANAGEMENT WATER ELEV. (PUMP ON)	EST. 100 YEAR HIGH WATER ELEV. (3)	STORM WATER STORAGE AT 100 YEAR HWL (AC-FT)	STORM WATER STORAGE AVAIL. FROM PUMP ON ELEVATION (AC-FT)	24 HOUR 100 YEAR RUNOFF VOLUME (AC-FT)	10 DAY 100 YEAR RUNOFF VOLUME (AC-FT)	OUTLET ELEVATION	OUTLET DESCRIPTION (2)	CRITICAL EVENT PEAK DISCHARGE RATE (CFS)	TEMPORARY PUMPING DISCHARGE RATE (CFS)	EXISTING LOW BUILDING ELEVATION (3)	MINIMUM BUILDING ELEVATION	APPROX. EXISTING OVERFLOW ELEV. (3)	DOWNSTREAM POND OVERFLOW ELEV. (3)	POND DOWNSTREAM ID	COMMENTS
Wachter Pond District																							
WA-P111		M2	569	569	18.9	81	954.5	-	959.38	3.48	-	6.12	11.09	954.5	12" RCP - E	5.5	-	962	62.5	960	958	240	
WA-P202					21.1	75	933	-	938.92	4.76	-	5.77	12.38	933	15" RCP - P	8.47	-	940	942	942	940	2443	
WA-P235					16.2	71	950	-	954.73	1.06	-	3.91	9.51	950	21" RCP - P	17.98	-	956	958	958	956	7941	
WA-P240					4.7	72	949.5	-	951.53	0.45	-	1.17	2.78	949.5	12" RCP - E	4.68	-	952	954.5	958	956	7941	
WA-P243					6.2	72	949.6	-	952.14	0.58	-	1.55	3.64	949.6	12" RCP - E	5.4	-	952	955.5	958	956	7941	
WA-P247					3.8	72	949	-	950.19	0.4	-	0.95	2.23	949	12" RCP - E	3.15	-	952	953.2	956	958	243	
WA-P479					48.8	79	948	-	953.12	8.03	-	14.96	28.65	948	18" RCP - E	17.8	-	954	956.1	958	958	2120	Rerouted to Basin EP-2442
WA-P600		M2	621	621	110.2	73	929.7	-	937.03	36.82	-	28.36	64.69	929.7	27" RCP - E	25.3	-	936	940	934	948	2439	
WA-P703					3.5	84	954	-	956.84	0.54	-	1.22	2.05	954	18" RCP - E	8.54	-	960	960	960	958	2120	
WA-P788		M3	598	598	12.6	72	946	-	952.08	1.5	-	3.14	7.39	947.7	15" RCP - E	9.09	-	956	958	958	934	600	
WA-P1069					35.5	71	956	-	957.88	6.39	-	8.58	20.83	956	12" RCP - P	3.88	-	956	961	960	956	247	
WA-P2042					29.8	71	954	-	957.22	3.88	-	7.2	17.49	954	18" RCP - P	8.19	-	956	960.2	960	956	247	
WA-P2120					2.6	84	954	-	956.44	0.07	-	0.91	1.53	954	24" RCP - E	15.39	-	958	959.4	958	940	2443	
WA-P2439					45.2	75	930	-	937.88	9.42	-	12.96	26.52	930	15" RCP - E	11.97	-	936	941	948	940	2443	
WA-P2443	Wachter Lake	M1	498	498	342.5	76	906	-	936.3	331.62	-	96.47	201.13	906.5	Lift Station	2	-	932	940	944	950	EP - P2274	Operational plan required for 10-Day event-Temp. pump to 14 cfs discharge rate.
WA-P7941					12.4	72	950	-	954.01	0.8	-	3.06	4.13	950	24" RCP - P	24.28	-	956	957	956	958	2120	
West Rich Valley District																							
WRV-P1041		P	63	63	18.2	59	941	-	942.94	1.37	-	2.79	10.68	941	12" RCP - P	3.73	-	970	946	954	920	1220	
WRV-P1050					46.7	84	840	-	847.14	13.25	-	16.33	27.41	840	12" RCP - P	2.6	-	859	952.5	952	-	-	
WRV-P1101		M2	658	658	70.1	64	932	-	942.33	10.06	-	13.22	41.15	932	12" RCP - P	4.24	-	958	948	956	902	1202	Inflow from north of City Limits
WRV-P1124		M2	71	71	19.8	73	922	-	926.04	2.77	-	5.1	11.62	922	12" RCP - P	4.25	-	938 (928 shed)	934	932	918	WL - P1165	
WRV-P1201		M2	129	129	9.8	72	912	-	918.53	3.88	-	2.44	5.75	913	12" RCP - P	3.29	-	932	921	922	920	1220	
WRV-P1202					124.2	83	888	-	899.72	33.83	-	42.35	72.91	888	18" RCP - P	12.34	-	-	903	902	882	K - P1147	
WRV-P1220		P	142	142	146.7	64	909	-	920.35	53.82	-	27.35	86.12	912	12" RCP - P	5.66	-	918 (914 shed)	923	920	924	1250	Verify existing building elevation
WRV-P1243					81.1	84	884	-	890.73	40.61	-	28.38	47.6	884	15" RCP - P	10.59	-	-	894	886	854	1339	Raise overflow elevation to create stormwater storage
WRV-P1250		P	180	180	57.4	68	907	-	912.67	25.13	-	12.54	33.68	909.6	6" orifice15" RCP-P	24.99	-	922	916	924	924	WL - P1403	Reroute to Basin LH-1080
WRV-P1339					236.8	84	836	-	851.54	252.34	-	82.81	139	845	48" RCP - P	56.6	-	860	855	854	858	K - P1459	Assumes basin initiates to NWL
WRV-P1349		M2	646	646	102.4	65	892	910	909.9	60.08	30	20.07	60.1	892	Temp. Pump - P	2	-	918	930	926	1396	Temporary pump to manage basin NWL	
WRV-P1396		M3	669	669	59.8	83	912		921.27	27.5		20.32	34.98	912	18" RCP - P	13.78	-	938	928	926	946	1424	Proposed 2-stage outlet
WRV-P1432		M3	647	647	199.8	64	920	-	925.75	10.6	-	38.32	117.29	920	24" RCP - P	13.1	-	946	931	936	930	1349	
WRV-P1442					177.5	84	846	-	858.6	58.4	-	62.07	104.18	846	30" RCP - P	49.5	-	936	862	864	854	1339	Proposed 2-stage outlet
WRV-P1535					156.9	65	904	-	912.07	37.22	-	30.74	92.1	904	12" RCP - P	5.34	-	924	919	918	886	2393	
WRV-P1599					82.2	84	858	-	866.42	32.02	-	60.81	101.71	858	24" RCP - P	140.94	-	884	870	872	862	2391	Create stormwater storage volume
WRV-P1618					38.0	74	940	-	943.18	6.81	-	10.09	22.3	940	12" RCP - P	3.84	-	-	949	948	930	1710	
WRV-P1651					307.6	84	844	-	850.83	37.96	-	57.84	113.88	844	36" RCP - P	67.71	-	852	855	990	942	ERV - P1814	
WRV-P1710		NC	437	437	132.2	81	924	-	928.22	36.79	-	42.79	77.6	924	15" RCP - P	9.68	-	-	932	930	924	1739	
WRV-P1739		NC	439	439	26.2	82	912		921.69	28.97		9.97	16.55	912	15" RCP - P	6.98			926	924	900	1787	
WRV-P1787					173.4	80	898	-	905.48	58.97	-	54.64	101.79	898	72" RCP - P	176.16	-	-	909.5	900	886	2389	Proposed interim regional basin-Drop inlet to future trunkline
WRV-P2389		M2	445	445	137.4	83	872		884.46	32.73		48.85	80.85	872	72" RCP - P	195.72		882	887.5	886	862	2391	Drop inlet to future trunkline
WRV-P2391					332.5	84	950	-	858.69	106.4	-	84.42	141.77	950	36" RCP - P	115	-	866	964	862	960	1651	Proposed 2-stage outlet
WRV-P2393					162.2	82	876		883.88	28.32	-	53.89	93.22	876	33" RCP - P	58.25	-	892	888	886	872	1599	
WRV-P2470					98.1	84	898	-	905.81	29.09	-	34.31	57.58	898	12" RCP - P	4.5	-	-	910	900	872	1599	Construct berm-create stormwater storage

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White Lake District																							
WL-P1032		P	23	23	12.5	74	941	-	943.19	2.75	-	3.32	7.34	941	12" RCP - P	4.34	-	-	947	950	910	1197	
WL-P1033		P	29	29	10.3	79	937	-	937.71	2.28	-	3.18	6	937.5	8' BCW-P	13.1	-	-	941	938	948	1139	
WL-P1035		M2	53	53	18.1	74	916	-	919.32	2.8	-	4.8	10.62	916	12" RCP - P	3.75	-	930	923	930	948	1139	
WL-P1030		P	14	14	21.6	76	945	-	946.01	7.29	-	8.08	12.68	945	15" RCP - P	3.82	-	960	950	949	850	1032	
WL-P1139		M2	75	75	13.5	73	924	-	927.23	2.53	-	3.48	7.92	924	15" RCP - P	7.12	-	932	930	928	910	1197	
WL-P1145		P	96	96	15.1	75	910	-	912.91	7.27	-	4.13	8.86	910	12" RCP - P	6.31	-	918	919	918	910	1197	Equalize w/ Basin #1280
WL-P1165		P	132	132	26.4	74	904	-	912.91		-			904	12" RCP - P	-	-	918	918	-	924	1280	Combined storage w/ Basin #1280-Equalize for 10 Day event
WL-P1182		M3	560	560	19.2	70	964	-	966.42	2.11	-	4.49	11.27	964	15" RCP - P	6.65	-	978	970	972	948	1030	
WL-P1197		P	124	124	108.9	74	904	-	912.91	94.32	-	28.88	63.87	904	15" RCP - P	2.92	-	922	919	910	924	1280	Equalize w/ Basin #1280
WL-P1209	White Lake	P	152	152	84.5	74	965.4	-	966.89	10.41	-	22.43	49.8	965.4	12" RCP - P	7.82	-	988	971	970	986	1232	Rerouted to Basin #1318
WL-P1232					8.1	71	958	-	958.99	0.74	-	1.96	4.75	958	12" RCP - P	2.24	-	968	963	966	910	1197	
WL-P1280		P	191	191	135.9	73	902	-	917.94	221.68	-	41.99	89.06	902	Lift Station	3	-	-	918	924	922	WRV - P1201	Equalize w/ Basin #1165,1197,1140, WRV 1250
WL-P1305		P	220	220	29.7	73	926	-	929.06	2.99	-	7.64	17.43	926	24" RCP - P	21.71	-	-	933	932	924	1280	
WL-P1318		P	152	152	39.8	76	965	-	967.07	18.34	-	11.21	23.36	965	24" RCP - P	6.51	-	970	971	974	956	1390	Rerouted to Basin #1390
WL-P1369		P	278	278	34.3	74	937	-	939.01	7.95	-	9.1	20.13	937	18" RCP - P	9.55	-	938	942	940	946	1424	
WL-P1390		M2	265	265	6.9	72	957	-	958.56	1.24	-	1.72	4.05	957	12" RCP - P	6.82	-	960	962	956	940	1389	
WL-P1403		P	302	302	148.7	73	918	-	923.54	94.1	-	38.27	87.28	918	21" RCP - P	16.4	-	-	926	924	922	WRV - P1201	Proposed 2-stage outlet-12" orifice
WL-P1424		P	287	287	82.0	78	934	-	942.23	180.69	-	24.46	48.12	934	15" RCP - P	2.67	-	936	946	946	924	1403	
WL-P1500		P	330	330	13.5	73	960	-	961.33	1.93	-	3.48	7.92	960	12" RCP - P	3.44	-	-	965	964	946	1424	
WL-P1518		P	340	340	11.9	73	946	-	948.6	4.76	-	3.06	6.98	946	12" RCP - P	5.48	-	962	953	956	946	1424	
WL-P1530		M2	349	349	17.0	75	948	-	950.71	9.58	-	4.65	6.13	948	12" RCP - P	3.67	-	962	956	954	964	1518	
WL-P1533	Mare Pond	P	400	400	80.9	75	949	-	952.74	38.97	-	22.13	47.48	949	15" RCP - P	3.83	-	976	957	956	964	1530	
WL-P1544		P	361	361	13.4	72	964	-	966.14	1.71	-	3.42	7.86	964	12" RCP - P	4	-	976	970	972	956	1533	
WL-P1545		M2	348	348	13.9	74	948	-	949.65	2.07	-	3.69	8.16	948	12" RCP - P	5.36	-	968	954	956	964	1518	
WL-P1560		M2	382	382	31.4	73	956	-	957.94	3.68	-	8.08	18.43	956	15" RCP - P	5.33	-	-	965	964	946	1424	

Note

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