

RESOLUTION 17-16

A RESOLUTION AMENDING HYRUM CITY'S SANITARY SEWER MANAGEMENT PLAN (SSMP).

WHEREAS, the State of Utah Department of Environmental Quality requires Hyrum City to approve a Sanitary Sewer Management Plan that establishes a plan and schedule to properly manage, operate, and maintain all parts of the sewer collection system to reduce and prevent SSOs, as well as minimize impacts of the SSOs that occur; and

WHEREAS, the Hyrum City Council and pertinent City Staff recognizes the responsibility it has to operate the sewer system in an environmentally and fiscally responsible manner; and

WHEREAS, Hyrum City's Sanitary Sewer Management Plan will cover aspects of the collection system program necessary to provide such operation;

WHEREAS, the Sewer System Evaluation and Capacity Assurance Plan section needs to be periodically updated and amended in order to be in compliance with current State and Federal mandates and requirements.

NOW, THEREFORE, be it resolved that the Hyrum City Council hereby approves the Hyrum City Sanitary Sewer Management Plan attached hereto as Exhibit "A".

BE IT FURTHER RESOLVED, that this resolution shall become effective upon adoption.

ADOPTED AND PASSED by the City Council this 16th day of November, 2017.

HYRUM CITY

Stephanie Miller
Mayor

ATTEST:

Stephanie Fricke
City Recorder

Sewer System Evaluation and Capacity Assurance Plan

Hyrum City

**60 West Main Street
Hyrum, Utah 84319-1205**



September 2017

Prepared by:



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1.0 Introduction

Hyrum City believes that one of the keys to preventing sanitary sewer overflows is to evaluate system capacity and to monitor flows throughout the system in order to ensure that capacities are not exceeded. Should a collection sub-system exceed the capacity of the pipes, the system will be immediately re-evaluated and corrective action taken. The following elements are all part of Hyrum City's SECAP program.

1. Initial Capacity Modeling and Master Planning
2. Flow Monitoring
3. Surcharge Flow Analysis
4. Re-evaluation Modeling and Analysis
5. Flow Reduction Evaluation and Implementation
6. Capacity Increase Evaluation and Implementation

The actual implementation process associated with each of the elements above is shown in figure on the next page. This flow chart process forms the backbone of the SECAP.

2.0 Initial Capacity Evaluation

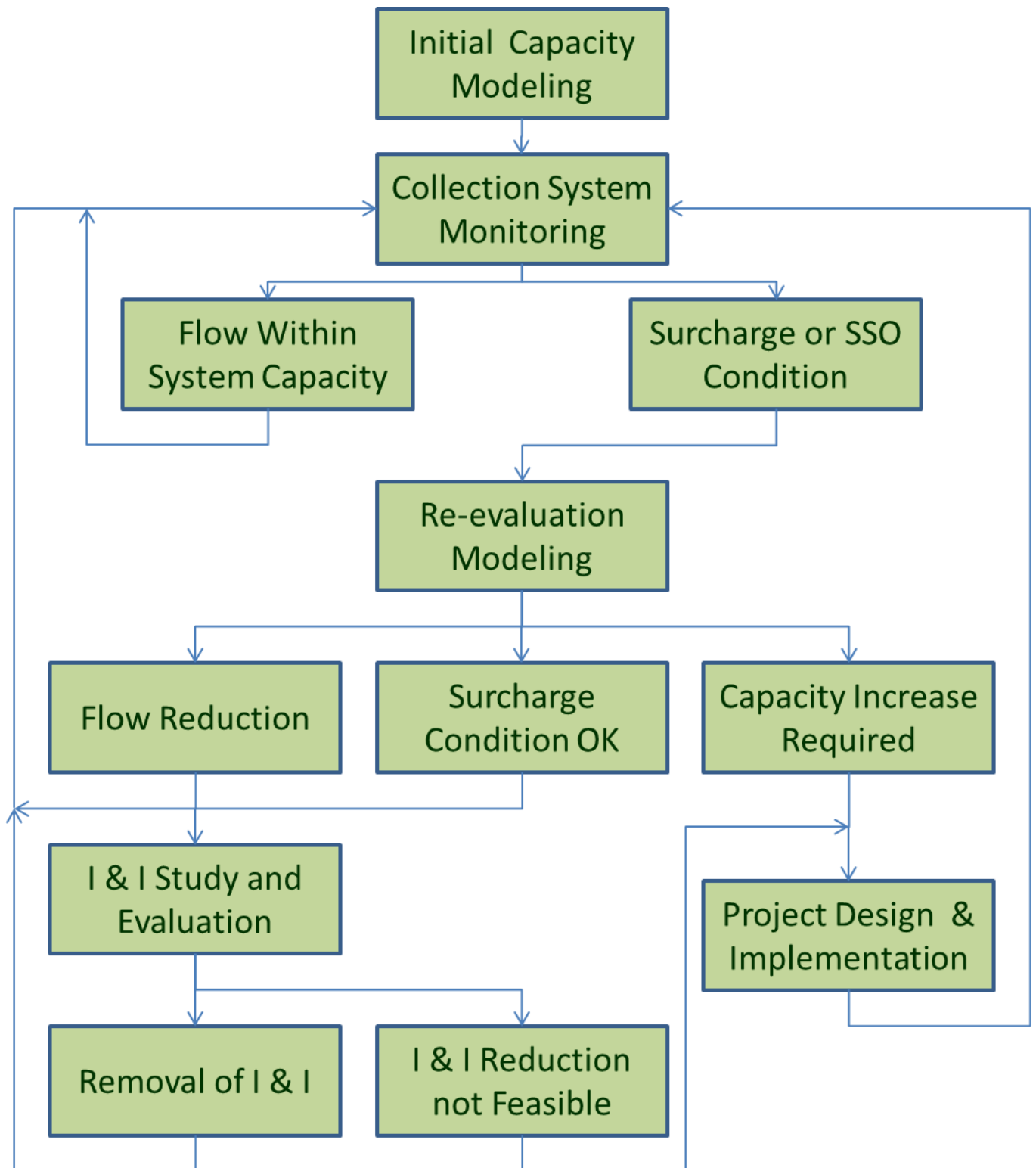
Hyrum City has performed an analysis and modeling of each critical subsystem contained within its collection system. Subsystems are segregated based on the branching of the collection system.

Hyrum City has performed an analysis and modeling of each critical subsystem contained within its collection system. Subsystems are segregated based on the branching of the collection system. Trunk lines and collector lines are evaluated until the system reaches a point where less than 320 residential dwelling unit equivalents (RE) are upstream of that point in the system. The 320 RE point was chosen based on the minimum slope requirements of the State of Utah. An 8-inch pipe constructed on minimum slope will carry the flow from 320 RE based on 300 gpd per RE and a peaking factor of 4. The RE equivalent is based off Utah Administrative Code(UAC) R309-510 which gives peak day and average day water use demands. Sewer demands were estimated to be 75% of water demand. R309-510-7 requires 400 gal/day per connection for average water use demand therefore a value of 300 gal/day per RE was used for sanitary sewer demand. It is assumed the peaking factor will account for a reasonable amount of inflow and infiltration for laterals and collectors. Hyrum City monitors the sewer flow into the Hyrum Waste Water Treatment Plant (WWTP) and supports the 300

gal/day per RE of sewer flow assumption. A 2.5 peaking factor was used to model the interceptor and outfall lines maximum flow, it was found that using a 300 gal/day per RE matched with maximum flows from flow data collected from the Hyrum WWTP.

The model shows the Hyrum City's Sanitary Sewer System is currently below capacity. Appendix A and B show the mapped sewer system with the 2.5 and 4.0 peaking factor flow data.

In addition to developing an equivalent flow for a residential unit, consideration will also be given to time of concentration in the collection system. Based on typical diurnal flow patterns, if the transit time in the branch system is less than 2 hours, time of concentration can be ignored.



SECAP Flow Chart

3.0 Flow Monitoring

Hyrum City currently monitors flows using Flow-Dar units when problems are found within the system. Additionally, Hyrum City WWTP records daily flow data.

4.0 Surcharge Flow Analysis

If any collection subsystem is identified as having any of the following problems the system will be evaluated to determine future action. These problems are:

1. Sanitary Sewer Overflow to the Environment
2. Sanitary Sewer Break Remaining in the Trench
3. Basement Backup
4. Observed Subsystem Surcharging.

The flow evaluation may result in multiple conclusions, some of which may require further action. Possible conclusions and their further action are listed below. This list is not inclusive nor does it require the specific action detailed. These are given as possible examples and will be used by the [responsible position] to determine correct future action.

4.1 **Flow Reduction Evaluation**

Should excessive flows be identified during the surcharge analysis, the solution may be to proceed with an inflow and infiltration study with the ultimate goal of reducing flows. These flow reductions may be achieved by reconstruction of specific areas, internal spot repairs, removing illegal storm water or sump pump connections from homes or storm water systems, and system grouting. Tools used in flow reduction may include extensive in line camera inspection, smoke testing, dye testing, and increased inspection or flow monitoring.

4.2 **Foreign Objects or Obstructions**

There are multiple foreign objects which may be found in sewers. These may include objects knocked into sewers during construction, illegally placed in sewer manholes, roots, grease and soaps, bellies in piping systems, etc. Each of these problems will be found during the backup investigation and a plan developed to insure the problem does not reoccur. Types of action may include increased cleaning frequency, spot repairs, greater pretreatment activity, lining of pipes, and other corrective actions which resolve the problem.

4.3 **Allowable Surcharging**

Some piping systems may be able to accept surcharges without creating problems. Such systems may be deep and surcharging occurs below the level of basements or manhole rims, or they may be in areas where there are no connections. In such cases the resolution of the observed surcharge may just be additional monitoring.

4.4 **Revised System Modeling**

Where piping system problems cannot be resolved in a less expensive way, the system may be further modeled to determine upgrade needs. Modeling will include known flow information and future projections. Since the system has been shown to have problems, further modeling will be more conservative in flow projections. Revised modeling will follow the guides given next.

5.0 *Re-evaluation Modeling and Analysis*

When a subsystem needs to demonstrate unresolvable problems by less costly means, the subsystem will be re-modeled and required action determined. Revised modeling may show that flow reduction may still be viable or it may show that the system can allow current surcharge conditions. Most likely, however, the modeling will normally form the basis for construction to enlarge the subsystem capacity. Modeling will be done either by

1. The City staff using commercially available software
2. The City staff using spreadsheet models
3. Engineering firms using available software or spreadsheets.

It is important to insure the modeling is comprehensive and includes all the potential flow sources. While the current area zoning and land use planning will be used in the model development, care will be taken to discuss possible changes with appropriate officials. Where possible zoning changes appear likely, the model will be re-run with the revised zoning alternatives. Once a resolution has been selected, the resulting project will be placed on the capital improvement plan (CIP).

6.0 *Capacity Increase Evaluation and Implementation*

The capacity evaluation will be expedited based on the impact of the problem on the environment and the possible repeat of the overflow/backup/surcharging. Details on prioritization are given in the next section.

Systems requiring additional capacity will be engineered for expansion by qualified staff or engineering consultants. Project design will be based on acceptable engineering standards and will comply with State of Utah regulations found in R317-3. Easements will be obtained, where needed and the design will include an analysis of other utilities in the vicinity. Design review will be done by the applicable regulatory agency, as appropriate. A design report will be prepared for each project. Where appropriate, the subsystem modeling may be substituted for the design report.

Finalized projects will be placed on the CIP.

7.0 System Improvement Prioritization

The priority for improvement will follow the following general guidelines:

7.1 **High Priority Projects**

When there is significant potential for sanitary sewer overflows, or frequent basement backups, the improvement will be considered a high priority and any available budget will be allocated to the project.

7.2 **Medium Priority Projects**

Where the problem is infrequent and the possibility exists that it may not repeat in the near future, the priority for correction is medium. Medium priority projects may be delayed until appropriate budget is available or the priority is adjusted to high priority. Should an SSO or basement backup repeat in the same area, the priority will be immediately revised.

7.3 **Low Priority Projects**

If the observed problem is infrequent, there is possibility that it may not repeat in the near future and the possibility that increased flow in the subsystem is low, the correct priority is low. Low priority projects will be placed in the budget process and evaluated against other needs. These projects will eventually be completed, but the work is not prioritized above plant and equipment needs.

8.0 Capital Improvement Plan

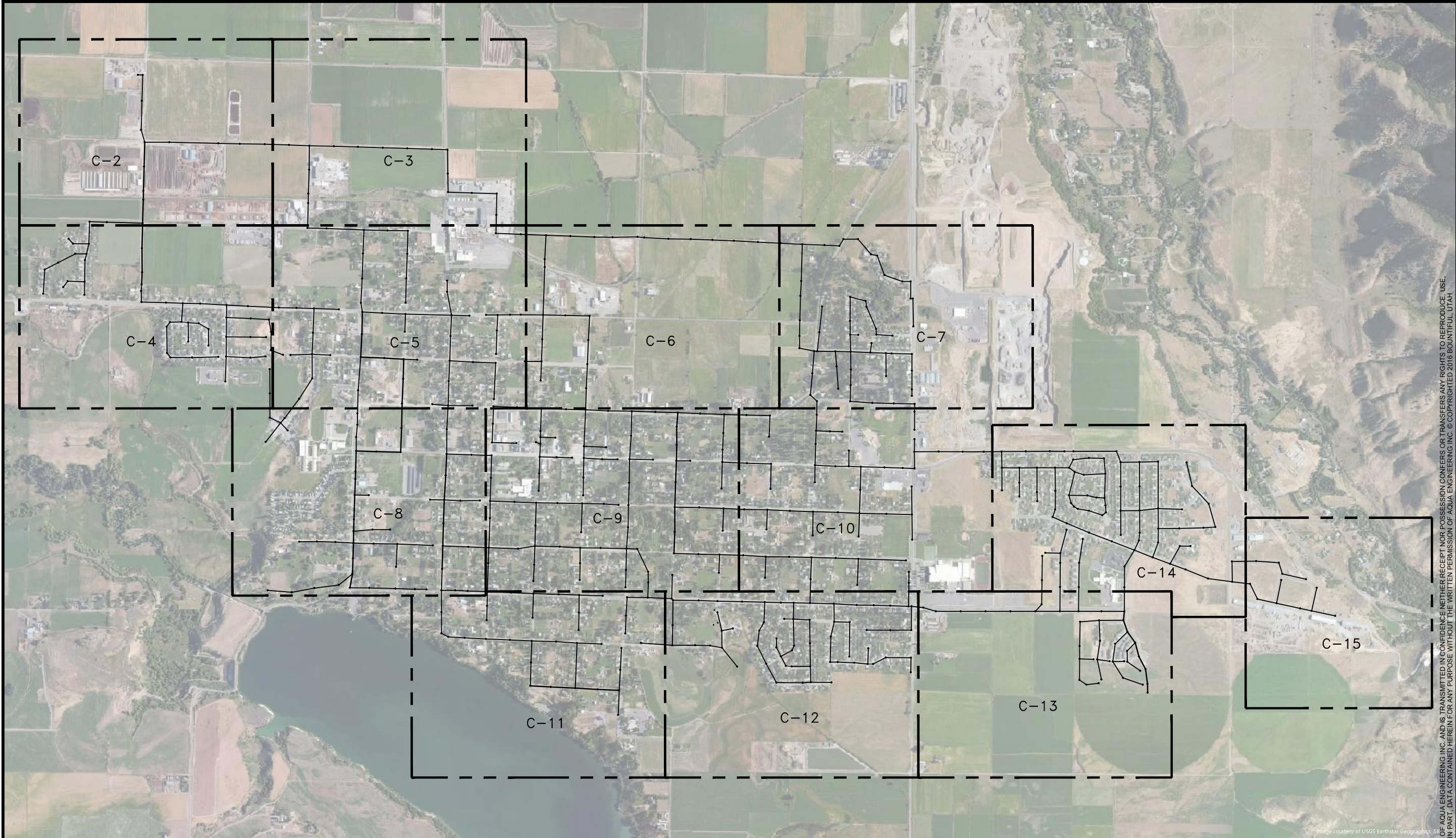
The CIP is part of the Service Area's budgeting process to insure sufficient revenue to address identified weaknesses in the sanitary sewer system. Items which have been identified as needing a structural fix are placed on the CIP list and the cost for each

estimated. Sources of funding will be identified for all high priority projects so that SSO's or other failures do not re-occur. Forecasts of available funding for medium and low priority projects will be made to facilitate future revenue needs.

Appendix A

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OVERALL AREA
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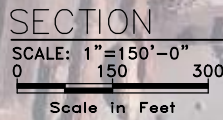
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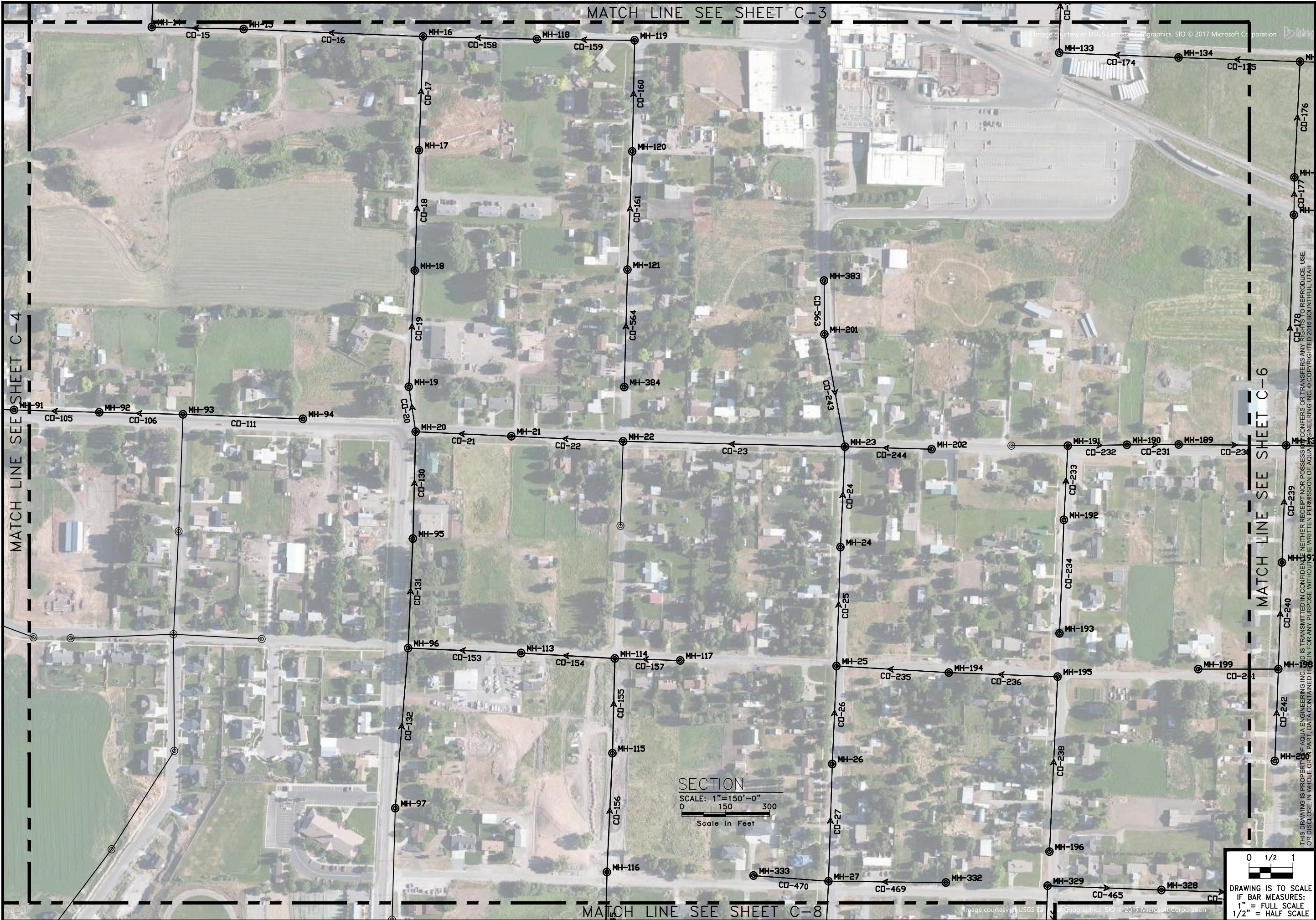
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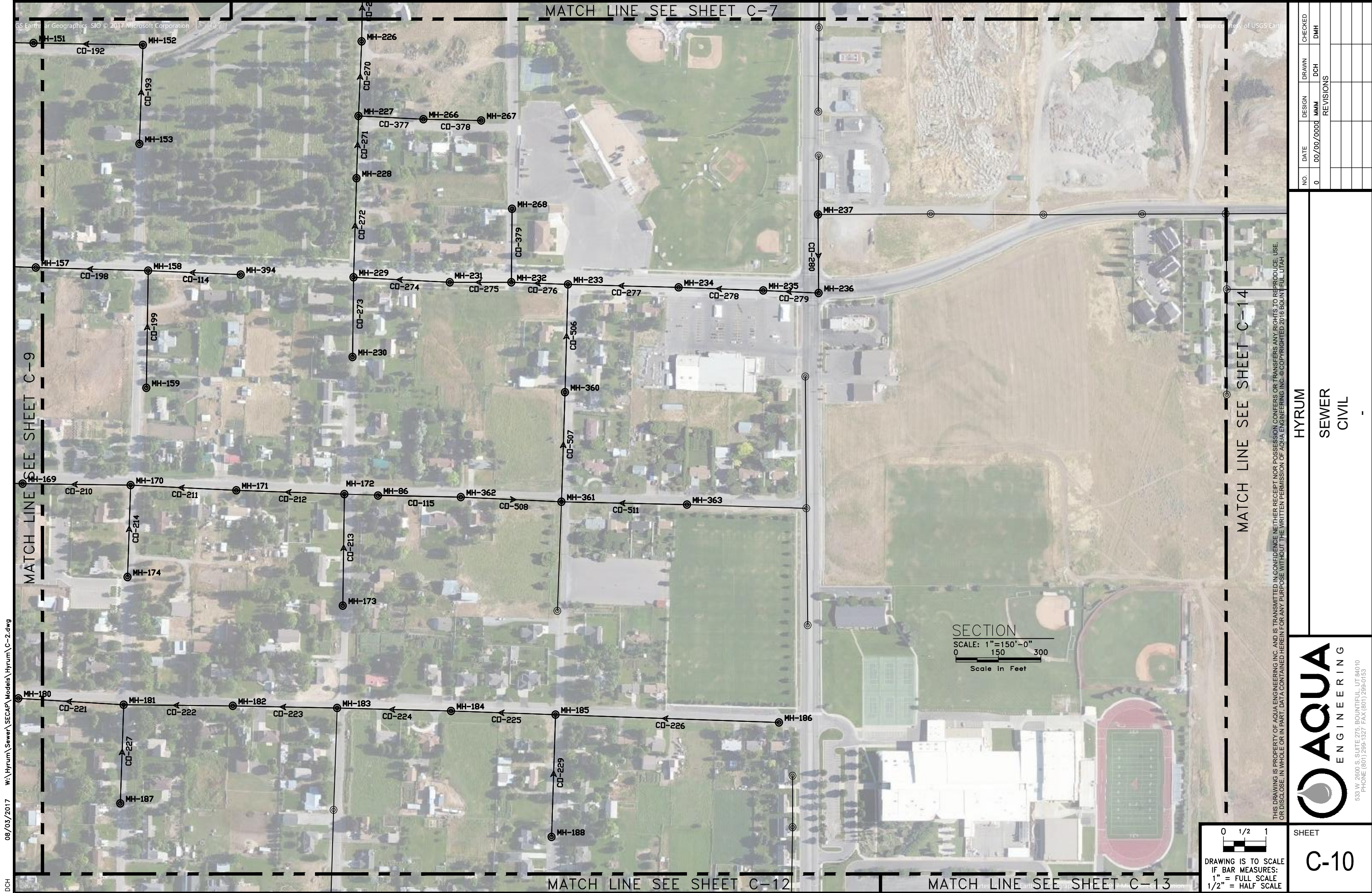
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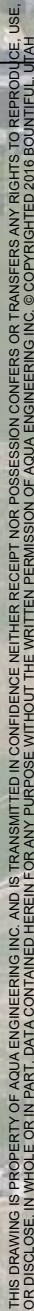
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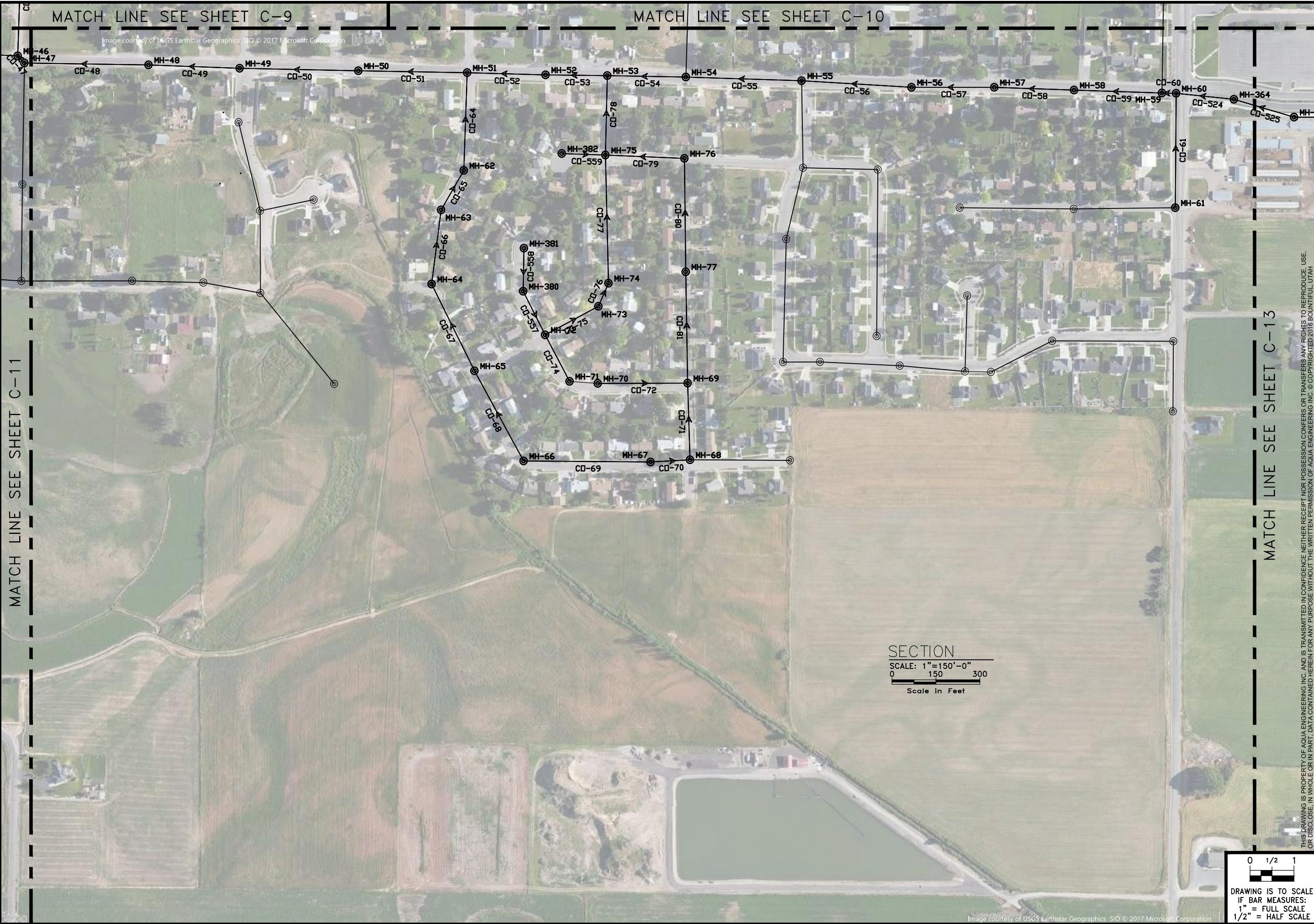
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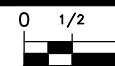
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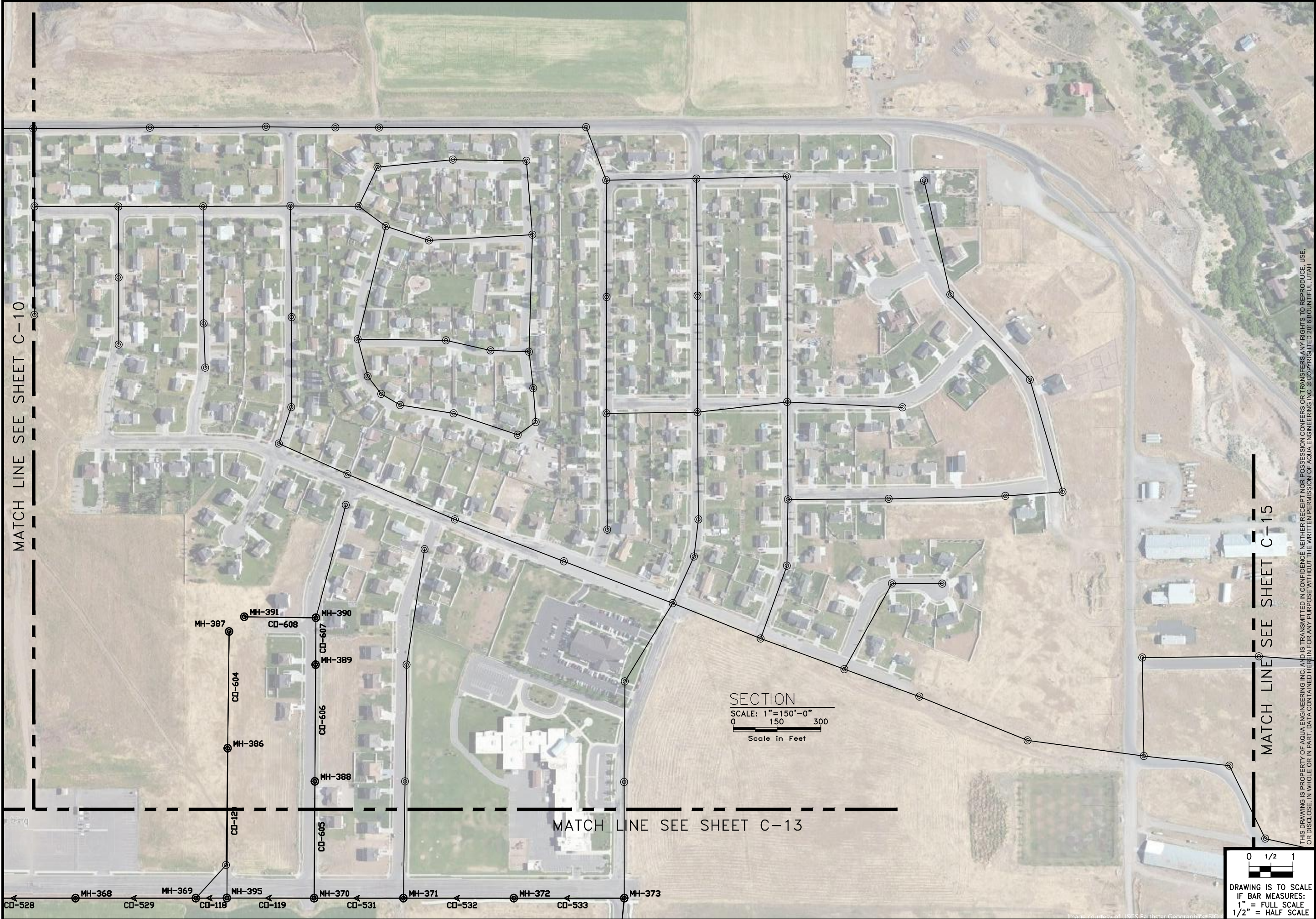
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Appendix B

Calculation Executive Summary

Scenario			
Label	2.5 Peak Demand		
Storm Event			
Label	Base Rainfall Runoff	Return Event	(N/A) years
Global Storm Event	<None>		
Calculation Executive Summary			
Total Inflow Volume	1983181.99 gal	Total System Volume Change	111545.29 gal
Total System Outflow Volume	2017936.25 gal	Continuity Error	7.2 %
Total System Overflow Volume	0.00 gal	Total N-R Iterations	78830
Total Gutter Volume Change	(N/A) gal		

*Not all collector lines shown in Appendix A are included in the model. The system is modeled until at most 320 RE units are upstream of the line.

2.5 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-2	MH-2	4537.45	MH-1	4537.17	24.0	426.64	0.001	1129125	2078022	9.24	3745501	30.1	0.00	0.0
CO-3	MH-3	4537.89	MH-2	4537.45	24.0	476.55	0.001	1129125	2077826	9.24	4442530	25.4	0.00	0.0
CO-4	MH-4	4538.11	MH-3	4537.89	24.0	213.35	0.001	1129125	2077980	9.24	4694894	24.1	0.00	0.0
CO-5	MH-5	4538.30	MH-4	4538.11	24.0	406.95	0.000	1112625	1926517	9.11	3159137	35.2	0.00	0.0
CO-6	MH-6	4541.70	MH-5	4538.30	24.0	806.87	0.004	1112625	1926847	9.11	9490702	11.7	0.00	0.0
CO-7	MH-7	4544.32	MH-6	4541.70	24.0	355.98	0.007	1112625	1926611	9.11	12542933	8.9	0.00	0.0
CO-8	MH-8	4547.27	MH-7	4544.32	24.0	410.10	0.007	1112625	1926747	9.11	12400199	9.0	0.00	0.0
CO-9	MH-9	4550.23	MH-8	4547.27	24.0	401.42	0.007	1112625	1926942	9.11	12554694	8.9	0.00	0.0
CO-10	MH-10	4552.71	MH-9	4550.23	24.0	335.34	0.007	1112625	1926684	9.11	12573146	8.8	0.00	0.0
CO-11	MH-11	4561.11	MH-10	4552.71	12.0	394.56	0.021	460125	516926	4.10	3359652	13.7	0.01	0.7
CO-12	MH-12	4572.50	MH-11	4561.11	12.0	396.13	0.029	460125	516992	4.09	3904430	11.8	0.01	0.6
CO-13	MH-13	4574.45	MH-12	4572.50	12.0	156.02	0.012	460125	516815	4.13	2574219	17.9	0.01	1.5
CO-14	MH-14	4600.42	MH-13	4574.45	12.0	411.95	0.063	460125	517080	4.10	5781292	8.0	0.01	0.7
CO-15	MH-15	4606.53	MH-14	4600.42	12.0	314.89	0.019	453375	510151	4.28	3207425	14.1	0.05	5.4
CO-16	MH-16	4614.51	MH-15	4606.53	12.0	615.41	0.013	453375	510210	4.13	2622009	17.3	0.02	2.5
CO-17	MH-17	4618.43	MH-16	4614.51	12.0	389.31	0.010	417375	474598	3.73	2310520	18.1	0.00	0.0
CO-18	MH-18	4622.64	MH-17	4618.43	12.0	413.57	0.010	417375	474693	3.73	2323156	18.0	0.00	0.0
CO-19	MH-19	4624.30	MH-18	4622.64	12.0	398.71	0.004	417375	474899	3.77	1485729	28.1	0.01	0.9
CO-20	MH-20	4626.31	MH-19	4624.30	12.0	155.85	0.013	417375	475384	3.78	2614956	16.0	0.01	1.0
CO-21	MH-21	4627.60	MH-20	4626.31	12.0	328.34	0.004	309000	309000	3.22	1443263	21.4	0.07	6.6
CO-22	MH-22	4633.00	MH-21	4627.60	12.0	383.26	0.014	306000	306000	2.96	2733165	11.2	0.02	1.8
CO-23	MH-23	4636.83	MH-22	4633.00	12.0	760.42	0.005	294750	294750	2.98	1634129	18.0	0.04	4.0
CO-24	MH-24	4640.31	MH-23	4636.83	12.0	344.73	0.010	281250	281250	2.96	2313473	12.2	0.06	5.7
CO-25	MH-25	4645.15	MH-24	4640.31	12.0	407.88	0.012	277500	277500	2.71	2508257	11.1	0.01	1.3
CO-26	MH-26	4645.26	MH-25	4645.15	12.0	335.99	0.000	255000	255000	2.60	416629	61.2	0.02	2.5
CO-27	MH-27	4646.94	MH-26	4645.26	12.0	402.38	0.004	255000	255000	2.71	1487828	17.1	0.05	4.7
CO-28	MH-28	4659.30	MH-27	4646.94	12.0	393.52	0.031	243750	243750	2.43	4080752	6.0	0.01	0.9
CO-29	MH-29	4668.19	MH-28	4659.30	12.0	409.56	0.022	240750	240750	2.43	3392379	7.1	0.01	1.3
CO-30	MH-30	4682.30	MH-29	4668.19	8.0	411.74	0.034	93000	93000	1.31	1445739	6.4	0.02	2.6
CO-31	MH-31	4685.80	MH-30	4682.30	8.0	330.06	0.011	88500	88500	1.48	804218	11.0	0.06	8.8

2.5 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-32	MH-32	4687.30	MH-31	4685.80	8.0	372.21	0.004	79500	79500	1.47	495782	16.0	0.07	10.8
CO-33	MH-33	4691.00	MH-32	4687.30	8.0	379.22	0.010	75000	75000	1.26	771419	9.7	0.04	5.5
CO-34	MH-34	4692.60	MH-33	4691.00	8.0	404.15	0.004	67500	67500	1.48	491391	13.7	0.09	13.8
CO-35	MH-35	4695.40	MH-34	4692.60	8.0	357.92	0.008	48000	48000	1.06	690755	6.9	0.04	5.7
CO-36	MH-36	4699.00	MH-35	4695.40	8.0	379.25	0.009	25500	25500	0.92	760894	3.4	0.05	6.8
CO-37	MH-37	4709.89	MH-36	4699.00	8.0	335.58	0.032	21750	21750	0.90	1406867	1.5	0.05	7.0
CO-38	MH-38	4738.80	MH-37	4709.89	8.0	409.14	0.071	12000	12187	0.64	2075983	0.6	0.01	1.4
CO-39	MH-39	4753.50	MH-38	4740.80	8.0	338.08	0.038	10500	10600	0.63	1513670	0.7	0.01	1.3
CO-40	MH-40	4755.95	MH-39	4753.50	8.0	339.47	0.007	4500	4650	0.57	663469	0.7	0.01	1.0
CO-41	MH-40	4757.60	MH-41	4754.10	8.0	424.68	0.008	0	0	0.00	708987	0.0	0.00	0.0
CO-42	MH-42	4754.46	MH-41	4754.10	15.0	178.53	0.002	168000	495531	1.80	1874730	9.0	0.00	0.0
CO-43	MH-43	4754.95	MH-42	4754.46	15.0	249.88	0.002	168000	495484	1.80	1848728	9.1	0.00	0.0
CO-44	MH-44	4755.27	MH-43	4754.95	15.0	218.02	0.001	168000	495344	1.84	1599425	10.5	0.01	0.6
CO-45	MH-45	4755.87	MH-44	4755.27	15.0	420.29	0.001	168000	495512	2.28	1577392	10.7	0.10	7.7
CO-46	MH-46	4757.38	MH-45	4755.87	15.0	395.41	0.004	168000	495324	2.43	2579904	6.5	0.13	10.1
CO-47	MH-47	4758.96	MH-46	4757.38	15.0	33.48	0.047	163500	483656	1.92	9068710	1.8	0.03	2.5
CO-48	MH-48	4771.52	MH-47	4758.96	12.0	424.19	0.030	163500	439170	1.78	3962142	4.1	0.00	0.3
CO-49	MH-49	4773.25	MH-48	4771.52	12.0	312.03	0.006	159750	435279	1.98	1714493	9.3	0.05	5.0
CO-50	MH-50	4774.14	MH-49	4773.25	12.0	405.55	0.002	156000	431496	1.86	1078663	14.5	0.03	3.1
CO-51	MH-51	4774.96	MH-50	4774.14	12.0	371.83	0.002	153000	428390	1.87	1081306	14.1	0.04	3.8
CO-52	MH-52	4775.48	MH-51	4774.96	12.0	268.00	0.002	123750	397979	2.02	1014260	12.2	0.11	11.3
CO-53	MH-53	4776.00	MH-52	4775.48	12.0	211.04	0.002	120750	394925	2.18	1142959	10.6	0.15	14.8
CO-54	MH-54	4778.29	MH-53	4776.00	12.0	268.63	0.009	67500	342736	1.63	2125976	3.2	0.12	12.2
CO-55	MH-55	4779.16	MH-54	4778.29	12.0	395.99	0.002	67639	340624	1.07	1079268	6.3	0.18	18.3
CO-56	MH-56	4780.00	MH-55	4779.16	12.0	376.08	0.002	65250	268943	1.18	1088218	6.0	0.04	3.5
CO-57	MH-57	4780.60	MH-56	4780.00	12.0	282.71	0.002	61500	265325	1.22	1060768	5.8	0.05	5.0
CO-58	MH-58	4781.20	MH-57	4780.60	12.0	272.60	0.002	57750	261515	1.36	1080261	5.3	0.08	8.3
CO-59	MH-59	4781.87	MH-58	4781.20	12.0	300.86	0.002	53250	256870	1.02	1086603	4.9	0.16	15.9
CO-60	MH-60	4781.97	MH-59	4781.87	12.0	48.53	0.002	57081	253162	1.07	1045171	5.5	0.16	16.2
CO-61	MH-61	4782.83	MH-60	4781.97	12.0	391.01	0.002	6000	6072	0.63	1079860	0.6	0.02	1.6

2.5 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-64	MH-62	4777.94	MH-51	4774.96	8.0	334.43	0.009	23250	24474	0.74	737207	3.2	0.01	1.7
CO-65	MH-63	4778.72	MH-62	4777.94	8.0	155.89	0.005	21000	22238	0.72	552432	3.8	0.01	1.6
CO-66	MH-64	4779.76	MH-63	4778.72	8.0	255.49	0.004	18000	19235	0.87	498273	3.6	0.05	6.8
CO-67	MH-65	4781.08	MH-64	4779.76	8.0	330.81	0.004	14250	15472	0.85	493326	2.9	0.05	7.3
CO-68	MH-66	4782.49	MH-65	4781.08	8.0	350.80	0.004	6750	8068	0.68	495127	1.4	0.03	4.0
CO-69	MH-67	4783.98	MH-66	4782.49	8.0	434.19	0.003	0	0	0.00	457498	0.0	0.00	0.0
CO-70	MH-67	4783.98	MH-68	4783.00	8.0	134.42	0.007	3000	3000	0.57	666832	0.4	0.01	1.5
CO-71	MH-68	4783.00	MH-69	4781.87	8.0	262.21	0.004	7500	7500	0.81	512688	1.5	0.05	7.7
CO-72	MH-70	4783.10	MH-69	4781.87	8.0	307.25	0.004	2250	2290	0.61	494136	0.5	0.02	2.6
CO-74	MH-71	4783.00	MH-72	4781.23	8.0	179.15	0.010	0	0	0.00	776275	0.0	0.00	0.0
CO-75	MH-72	4781.23	MH-73	4780.38	8.0	206.46	0.004	9000	9000	0.61	501103	1.8	0.01	1.2
CO-76	MH-73	4780.38	MH-74	4779.72	8.0	86.28	0.008	12000	12000	0.70	683062	1.8	0.02	3.3
CO-77	MH-74	4779.72	MH-75	4777.55	8.0	438.07	0.005	13500	13561	0.74	549663	2.5	0.03	4.0
CO-78	MH-75	4777.55	MH-53	4776.00	8.0	271.55	0.006	51000	51000	1.06	590034	8.6	0.03	4.8
CO-79	MH-76	4778.84	MH-75	4777.55	8.0	270.54	0.005	27000	27000	1.03	539279	5.0	0.06	9.7
CO-80	MH-77	4780.35	MH-76	4778.84	8.0	387.67	0.004	19500	19500	0.84	487411	4.0	0.04	5.7
CO-81	MH-69	4781.87	MH-77	4780.35	8.0	380.48	0.004	14250	14250	0.81	493621	2.9	0.04	5.9
CO-91	MH-78	4545.56	MH-4	4538.11	10.0	403.26	0.018	18403	151874	0.86	1924631	1.0	0.04	5.3
CO-92	MH-79	4550.28	MH-78	4545.56	10.0	398.27	0.012	22493	151865	1.08	1541503	1.5	0.08	9.8
CO-93	MH-80	4554.73	MH-79	4550.28	10.0	148.10	0.030	23248	151791	0.89	2454485	0.9	0.04	5.1
CO-94	MH-81	4561.81	MH-80	4554.73	10.0	387.15	0.018	30394	151984	1.08	1914875	1.6	0.07	8.3
CO-95	MH-82	4569.38	MH-81	4561.81	10.0	412.96	0.018	23503	115824	0.98	1917166	1.2	0.06	7.2
CO-96	MH-83	4576.67	MH-82	4569.38	10.0	397.73	0.018	29468	116000	1.06	1917044	1.5	0.07	8.1
CO-99	MH-85	4590.00	MH-84	4586.25	8.0	190.68	0.020	33213	115796	1.05	1095209	3.0	0.06	8.8
CO-100	MH-87	4593.61	MH-85	4590.00	8.0	405.89	0.009	37250	110669	1.17	736528	5.1	0.13	19.8
CO-101	MH-88	4602.50	MH-87	4593.61	8.0	275.54	0.032	50610	110617	1.45	1402790	3.6	0.11	16.8
CO-102	MH-89	4607.92	MH-88	4602.50	8.0	289.31	0.019	19472	67138	1.02	1068949	1.8	0.07	11.0
CO-104	MH-91	4616.93	MH-90	4612.22	8.0	512.67	0.009	15346	32350	0.94	748562	2.1	0.06	9.7
CO-105	MH-92	4619.72	MH-91	4616.93	8.0	292.16	0.010	18988	32328	1.01	763188	2.5	0.07	11.0
CO-106	MH-93	4621.11	MH-92	4619.72	8.0	286.95	0.005	23188	32698	0.76	543555	4.3	0.13	19.3

2.5 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-111	MH-94	4622.57	MH-93	4621.11	8.0	411.26	0.004	0	0	0.00	465322	0.0	0.00	0.0
CO-114	MH-394	4769.70	MH-158	4767.50	8.0	326.93	0.007	3000	3000	0.62	640647	0.5	0.02	2.9
CO-115	MH-86	4778.25	MH-362	4774.60	8.0	292.37	0.012	0	0	0.00	872599	0.0	0.00	0.0
CO-118	MH-395	4805.20	MH-369	4803.86	12.0	106.33	0.013	78658	161533	1.45	2584910	3.0	0.07	6.9
CO-119	MH-370	4806.01	MH-395	4805.20	12.0	299.06	0.003	85160	148076	1.35	1198325	7.1	0.18	18.2
CO-120	MH-386	4806.82	MH-395	4805.20	8.0	513.00	0.003	0	0	0.00	438870	0.0	0.00	0.0
CO-122	MH-102	4648.27	MH-101	4646.41	10.0	388.06	0.005	68625	68923	1.21	980330	7.0	0.04	4.2
CO-123	MH-104	4650.92	MH-103	4649.62	10.0	389.85	0.003	55125	55200	1.12	817687	6.7	0.04	4.6
CO-124	MH-1	4537.17	OF-1	4535.00	24.0	115.62	0.019	1129125	2077235	9.24	20029760	5.6	0.00	0.0
CO-125	MH-84	4586.25	MH-83	4576.67	8.0	299.61	0.032	34074	115910	1.24	1396507	2.4	0.10	14.4
CO-130	MH-95	4627.39	MH-20	4626.31	10.0	366.60	0.003	106125	164590	1.58	768564	13.8	0.05	6.2
CO-131	MH-96	4630.76	MH-95	4627.39	10.0	375.98	0.009	106125	164548	1.56	1340591	7.9	0.05	5.8
CO-132	MH-97	4640.79	MH-96	4630.76	8.0	551.03	0.018	4500	4610	0.57	1053655	0.4	0.01	1.0
CO-135	MH-98	4653.50	MH-99	4648.47	8.0	203.61	0.025	0	0	0.00	1227503	0.0	0.00	0.0
CO-136	MH-99	4648.47	MH-100	4647.61	8.0	229.31	0.004	0	0	0.00	478273	0.0	0.00	0.0
CO-137	MH-101	4646.41	MH-100	4645.61	10.0	337.94	0.002	68625	126786	1.22	688948	10.0	0.18	21.7
CO-140	MH-103	4649.62	MH-102	4648.27	10.0	402.53	0.003	58875	59000	1.11	820038	7.2	0.03	3.7
CO-143	MH-105	4652.21	MH-104	4650.92	10.0	255.63	0.005	22125	22194	0.90	1005888	2.2	0.05	5.4
CO-144	MH-106	4653.08	MH-105	4652.21	10.0	256.19	0.003	19125	19248	0.97	825168	2.3	0.06	7.7
CO-145	MH-107	4654.27	MH-106	4653.08	8.0	291.26	0.004	2250	2319	0.54	499193	0.5	0.01	0.8
CO-146	MH-108	4668.50	MH-106	4653.08	10.0	232.32	0.066	16875	17139	0.68	3648031	0.5	0.01	1.2
CO-147	MH-109	4684.65	MH-108	4670.16	8.0	322.95	0.045	10500	10663	0.79	1654269	0.6	0.04	6.4
CO-148	MH-110	4688.13	MH-109	4684.65	8.0	428.69	0.008	7500	7597	0.67	703646	1.1	0.02	3.3
CO-149	MH-111	4658.01	MH-104	4650.92	8.0	296.64	0.024	12000	12127	0.88	1207383	1.0	0.06	8.6
CO-152	MH-100	4645.61	MH-112	4644.60	10.0	333.52	0.003	68625	126823	1.69	779221	8.8	0.14	17.2
CO-153	MH-96	4630.76	MH-113	4632.70	10.0	387.95	-0.005	-86625	145050	-1.26	1001335	-8.7	0.02	2.1
CO-154	MH-114	4635.69	MH-113	4632.70	10.0	321.88	0.009	85125	143549	1.32	1364745	6.2	0.03	3.9
CO-155	MH-115	4637.65	MH-114	4635.69	10.0	325.43	0.006	77625	135931	1.18	1098915	7.1	0.02	2.0
CO-156	MH-116	4639.65	MH-115	4637.65	10.0	407.72	0.005	77625	135867	1.18	991742	7.8	0.02	2.0
CO-157	MH-117	4638.70	MH-114	4635.69	8.0	224.15	0.013	3000	3101	0.55	904998	0.3	0.01	0.9

2.5 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-158	MH-118	4618.96	MH-16	4614.51	8.0	390.33	0.011	19500	19613	0.72	833875	2.3	0.01	2.2
CO-159	MH-119	4620.27	MH-118	4618.96	8.0	335.14	0.004	15750	15888	0.94	488268	3.2	0.06	9.4
CO-160	MH-120	4622.92	MH-119	4620.27	8.0	381.17	0.007	12750	12814	0.74	651180	2.0	0.03	4.2
CO-161	MH-121	4629.17	MH-120	4622.92	8.0	405.77	0.015	8250	8250	0.61	969255	0.9	0.01	1.3
CO-162	MH-122	4556.32	MH-10	4553.40	21.0	406.08	0.007	652500	1410984	5.55	8683675	7.5	0.00	0.0
CO-163	MH-123	4559.02	MH-122	4556.32	21.0	398.03	0.007	652500	1410283	5.55	8434129	7.7	0.00	0.0
CO-164	MH-124	4561.75	MH-123	4559.02	21.0	409.38	0.007	652500	1410249	5.55	8362421	7.8	0.00	0.0
CO-165	MH-125	4564.50	MH-124	4561.75	21.0	403.39	0.007	652500	1410193	5.55	8455110	7.7	0.00	0.0
CO-166	MH-126	4567.22	MH-125	4564.50	21.0	409.39	0.007	652500	1410357	5.55	8346966	7.8	0.00	0.0
CO-167	MH-127	4568.93	MH-126	4567.22	21.0	254.31	0.007	652500	1410295	5.69	8397197	7.8	0.03	1.7
CO-168	MH-128	4574.80	MH-127	4568.93	21.0	392.25	0.015	652500	1410182	5.67	12527211	5.2	0.02	1.4
CO-169	MH-129	4582.52	MH-128	4574.80	21.0	307.75	0.025	640500	1398623	5.45	16219134	3.9	0.00	0.0
CO-170	MH-130	4584.44	MH-129	4582.52	21.0	391.69	0.005	640500	1398582	5.45	7169633	8.9	0.00	0.0
CO-171	MH-131	4585.13	MH-130	4584.44	21.0	409.57	0.002	640500	1397816	5.45	4203162	15.2	0.00	0.0
CO-172	MH-132	4588.42	MH-131	4585.13	21.0	350.41	0.009	640500	1398250	5.45	9922633	6.5	0.00	0.0
CO-173	MH-133	4590.00	MH-132	4588.42	21.0	305.36	0.005	640500	1398068	5.58	7366147	8.7	0.02	1.4
CO-174	MH-134	4592.48	MH-133	4590.00	21.0	409.12	0.006	640500	1397955	5.78	7972876	8.0	0.06	3.7
CO-175	MH-135	4594.50	MH-134	4592.48	21.0	416.90	0.005	640500	1397613	5.95	7128130	9.0	0.10	5.7
CO-176	MH-136	4601.20	MH-135	4594.50	18.0	397.68	0.017	492000	868992	4.80	8811721	5.6	0.10	6.6
CO-177	MH-137	4604.59	MH-136	4601.20	18.0	128.45	0.026	492000	816715	4.34	11028649	4.5	0.01	0.4
CO-178	MH-138	4618.04	MH-137	4604.59	18.0	790.89	0.017	492000	816694	4.37	8853066	5.6	0.01	0.9
CO-179	MH-139	4619.56	MH-138	4618.04	18.0	368.84	0.004	456000	780216	4.03	4358066	10.5	0.00	0.0
CO-180	MH-140	4621.09	MH-139	4619.56	18.0	399.21	0.004	456000	780008	4.03	4202762	10.9	0.00	0.0
CO-181	MH-141	4627.15	MH-140	4621.09	18.0	396.68	0.015	456000	780212	4.11	8390912	5.4	0.02	1.1
CO-182	MH-142	4633.19	MH-141	4627.15	18.0	401.91	0.015	456000	780134	4.16	8322276	5.5	0.03	1.8
CO-183	MH-143	4642.47	MH-142	4633.19	18.0	397.86	0.023	447750	771855	4.04	10368156	4.3	0.02	1.1
CO-184	MH-144	4648.06	MH-143	4642.47	18.0	353.03	0.016	447750	771924	4.07	8542552	5.2	0.02	1.5
CO-185	MH-145	4655.90	MH-144	4650.02	18.0	374.97	0.016	363000	687160	3.38	8501230	4.3	0.01	1.0
CO-186	MH-146	4658.22	MH-145	4655.90	18.0	389.12	0.006	360750	684946	3.43	5241955	6.9	0.03	1.9
CO-187	MH-147	4666.76	MH-146	4658.22	12.0	388.83	0.022	157500	157500	1.85	3412418	4.6	0.03	2.6

2.5 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-188	MH-148	4673.45	MH-147	4666.76	12.0	370.70	0.018	157500	157500	1.91	3093250	5.1	0.04	3.8
CO-189	MH-149	4681.71	MH-148	4673.45	8.0	368.64	0.022	36750	36768	0.85	1169027	3.1	0.01	2.0
CO-190	MH-150	4686.93	MH-149	4681.71	8.0	396.83	0.013	33750	33765	0.82	895718	3.8	0.01	1.9
CO-191	MH-151	4702.56	MH-150	4693.97	8.0	368.89	0.023	3000	3537	0.55	1191748	0.3	0.01	0.9
CO-192	MH-152	4708.42	MH-151	4702.56	8.0	386.54	0.015	3050	3798	0.55	961589	0.3	0.01	0.9
CO-193	MH-153	4754.67	MH-152	4708.42	8.0	349.41	0.132	2250	2573	0.54	2841343	0.1	0.01	0.8
CO-194	MH-154	4707.30	MH-150	4688.52	8.0	304.58	0.062	27000	27419	0.97	1939258	1.4	0.05	7.7
CO-195	MH-155	4737.84	MH-154	4707.30	8.0	276.31	0.111	23250	23289	0.74	2596431	0.9	0.01	1.7
CO-196	MH-156	4748.60	MH-155	4737.84	8.0	206.60	0.052	23250	23250	0.74	1782298	1.3	0.01	1.7
CO-197	MH-157	4762.80	MH-156	4748.60	8.0	407.57	0.035	12000	12000	0.64	1457742	0.8	0.01	1.4
CO-198	MH-158	4767.50	MH-157	4762.80	8.0	397.18	0.012	6750	6750	0.59	849555	0.8	0.01	1.2
CO-199	MH-159	4771.45	MH-158	4767.50	8.0	413.94	0.010	3750	3788	0.57	762898	0.5	0.01	1.1
CO-200	MH-160	4763.37	MH-156	4748.60	8.0	435.08	0.034	5250	5315	0.58	1438944	0.4	0.01	1.1
CO-201	MH-161	4683.60	MH-148	4673.45	10.0	231.70	0.044	117000	117007	1.53	2963708	3.9	0.02	3.0
CO-202	MH-162	4700.51	MH-161	4683.60	10.0	302.23	0.056	114750	114791	1.68	3349421	3.4	0.06	7.0
CO-203	MH-163	4726.61	MH-162	4700.51	10.0	261.54	0.100	111750	111750	1.66	4473203	2.5	0.06	7.2
CO-204	MH-164	4736.60	MH-163	4728.27	8.0	230.56	0.036	7500	7500	0.73	1484469	0.5	0.04	5.3
CO-205	MH-165	4749.00	MH-163	4726.61	10.0	355.11	0.063	102000	102000	1.36	3555570	2.9	0.01	1.6
CO-206	MH-166	4760.70	MH-165	4749.00	10.0	409.94	0.029	96750	96750	1.34	2392189	4.0	0.02	2.1
CO-207	MH-167	4764.20	MH-166	4760.70	8.0	401.73	0.009	41250	41250	1.00	728958	5.7	0.04	5.5
CO-208	MH-168	4769.35	MH-167	4764.20	8.0	405.12	0.013	39000	39045	1.04	880537	4.4	0.05	7.3
CO-209	MH-169	4773.00	MH-168	4769.35	8.0	339.24	0.011	30750	30815	1.15	810078	3.8	0.08	12.3
CO-210	MH-170	4774.50	MH-169	4773.00	8.0	381.45	0.004	18750	18750	0.81	489741	3.8	0.03	5.1
CO-211	MH-171	4776.00	MH-170	4774.50	8.0	373.93	0.004	9000	9000	0.67	494636	1.8	0.02	3.1
CO-212	MH-172	4777.98	MH-171	4776.00	8.0	381.73	0.005	6000	6000	0.63	562464	1.1	0.02	2.4
CO-213	MH-173	4779.50	MH-172	4777.98	8.0	393.93	0.004	3000	3016	0.58	485120	0.6	0.01	1.8
CO-214	MH-174	4777.12	MH-170	4774.50	8.0	325.19	0.008	3750	3844	0.56	700998	0.5	0.01	1.0
CO-215	MH-175	4776.30	MH-168	4769.35	8.0	367.83	0.019	3750	3815	0.56	1073509	0.3	0.01	1.0
CO-216	MH-176	4762.40	MH-166	4760.70	10.0	409.16	0.004	51000	51000	0.97	912726	5.6	0.01	1.7
CO-217	MH-177	4765.19	MH-176	4762.40	10.0	355.02	0.008	47250	47250	0.98	1255278	3.8	0.02	2.6

2.5 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-218	MH-178	4771.07	MH-177	4765.19	8.0	403.03	0.015	45000	45000	0.92	943316	4.8	0.01	2.1
CO-219	MH-179	4772.75	MH-178	4771.07	8.0	351.02	0.005	42000	42000	0.96	540288	7.8	0.03	4.0
CO-220	MH-180	4774.33	MH-179	4772.75	8.0	390.77	0.004	38250	38250	0.94	496595	7.7	0.03	4.4
CO-221	MH-181	4775.81	MH-180	4774.33	8.0	372.34	0.004	34500	34500	0.92	492376	7.0	0.03	4.6
CO-222	MH-182	4777.34	MH-181	4775.81	8.0	385.54	0.004	23250	23311	0.83	491980	4.7	0.03	4.4
CO-223	MH-183	4778.84	MH-182	4777.34	8.0	368.80	0.004	21750	21786	0.90	498066	4.4	0.05	6.8
CO-224	MH-184	4780.45	MH-183	4778.84	8.0	402.55	0.004	12750	12846	0.71	493900	2.6	0.02	3.3
CO-225	MH-185	4781.92	MH-184	4780.45	8.0	369.50	0.004	9750	9813	0.67	492596	2.0	0.02	2.9
CO-226	MH-186	4785.00	MH-185	4781.92	8.0	789.59	0.004	1500	1500	0.54	487766	0.3	0.00	0.7
CO-227	MH-187	4777.22	MH-181	4775.81	8.0	348.79	0.004	5250	5335	0.69	496552	1.1	0.03	4.4
CO-229	MH-188	4783.58	MH-185	4781.92	8.0	432.47	0.004	3000	3007	0.60	483854	0.6	0.02	2.4
CO-230	MH-189	4625.51	MH-138	4618.04	8.0	368.38	0.020	18000	18371	0.69	1112107	1.6	0.01	1.5
CO-231	MH-190	4629.73	MH-189	4625.51	8.0	177.61	0.024	18000	18220	0.69	1203815	1.5	0.01	1.5
CO-232	MH-191	4637.50	MH-190	4629.73	8.0	202.56	0.038	18754	18754	0.70	1529563	1.2	0.01	1.6
CO-233	MH-192	4641.44	MH-191	4637.50	8.0	254.57	0.015	5302	5370	0.64	971583	0.5	0.02	3.1
CO-234	MH-193	4647.16	MH-192	4641.44	8.0	389.41	0.015	0	0	0.00	946527	0.0	0.00	0.0
CO-235	MH-194	4646.68	MH-25	4645.15	8.0	385.43	0.004	12750	12795	0.67	492050	2.6	0.01	2.2
CO-236	MH-195	4648.17	MH-194	4646.68	8.0	373.25	0.004	12750	12750	0.73	493432	2.6	0.03	4.0
CO-238	MH-196	4650.10	MH-195	4648.17	8.0	600.69	0.003	6750	6765	0.71	442681	1.5	0.03	4.8
CO-239	MH-197	4629.88	MH-138	4618.04	8.0	401.90	0.029	10500	10820	0.63	1340466	0.8	0.01	1.3
CO-240	MH-198	4636.58	MH-197	4629.88	8.0	365.42	0.018	8250	8418	0.60	1057496	0.8	0.01	1.2
CO-241	MH-199	4645.00	MH-198	4636.58	8.0	274.44	0.031	0	0	0.00	1367955	0.0	0.00	0.0
CO-242	MH-200	4638.66	MH-198	4636.58	8.0	315.19	0.007	3750	3865	0.65	634432	0.6	0.02	3.7
CO-243	MH-201	4637.90	MH-23	4636.83	8.0	391.88	0.003	3000	3110	0.61	408087	0.7	0.02	2.6
CO-244	MH-202	4641.35	MH-23	4636.83	8.0	297.48	0.015	3000	3044	0.55	962677	0.3	0.01	0.9
CO-245	MH-116	4639.65	MH-203	4641.65	10.0	402.41	-0.005	-73125	131469	-1.15	998259	-7.3	0.02	1.9
CO-246	MH-204	4642.80	MH-203	4641.65	10.0	401.25	0.003	73125	131320	1.19	758064	9.6	0.02	3.0
CO-247	MH-112	4644.60	MH-204	4642.80	10.0	399.20	0.005	73125	131379	1.42	950834	7.7	0.07	8.4
CO-248	MH-205	4596.59	MH-135	4595.50	12.0	404.17	0.003	148500	528949	1.65	1195764	12.4	0.00	0.0
CO-249	MH-206	4597.71	MH-205	4596.59	12.0	393.42	0.003	148500	528729	1.65	1228550	12.1	0.00	0.0

2.5 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-250	MH-207	4598.55	MH-206	4597.71	12.0	301.25	0.003	148500	528787	1.65	1215884	12.2	0.00	0.0
CO-251	MH-208	4599.70	MH-207	4598.55	12.0	414.32	0.003	148500	528750	1.71	1213092	12.2	0.01	1.3
CO-252	MH-209	4601.36	MH-208	4599.70	12.0	110.79	0.015	148500	528744	1.65	2818470	5.3	0.00	0.0
CO-253	MH-210	4602.25	MH-209	4601.36	12.0	399.17	0.002	148500	528808	1.65	1087254	13.7	0.00	0.0
CO-254	MH-211	4605.00	MH-210	4602.25	12.0	369.33	0.007	148500	528767	1.65	1986874	7.5	0.00	0.0
CO-255	MH-212	4608.14	MH-211	4605.00	12.0	355.73	0.009	148500	528649	1.65	2163297	6.9	0.00	0.0
CO-256	MH-213	4611.18	MH-212	4608.14	12.0	356.43	0.009	148500	528673	1.72	2126492	7.0	0.01	1.5
CO-257	MH-214	4617.00	MH-213	4611.18	12.0	396.37	0.015	148500	528613	1.66	2790118	5.3	0.00	0.1
CO-258	MH-215	4628.16	MH-214	4617.00	12.0	377.53	0.030	148500	528849	1.77	3958844	3.8	0.02	2.3
CO-259	MH-216	4635.02	MH-215	4628.16	12.0	355.48	0.019	148500	528785	1.82	3198663	4.6	0.04	3.5
CO-260	MH-217	4646.66	MH-216	4638.34	12.0	606.86	0.014	131250	511415	1.52	2696075	4.9	0.00	0.0
CO-261	MH-218	4654.58	MH-217	4646.66	12.0	245.92	0.032	131250	511443	1.52	4132167	3.2	0.00	0.0
CO-262	MH-219	4667.73	MH-218	4654.58	12.0	402.65	0.033	131250	511428	1.52	4161145	3.2	0.00	0.0
CO-263	MH-220	4672.65	MH-219	4667.73	12.0	258.55	0.019	131250	511323	1.63	3176347	4.1	0.02	2.3
CO-264	MH-221	4681.03	MH-220	4672.65	12.0	202.15	0.041	131250	511392	1.52	4688158	2.8	0.00	0.1
CO-265	MH-222	4694.30	MH-221	4681.03	12.0	245.30	0.054	131250	511549	1.53	5355560	2.5	0.00	0.3
CO-266	MH-223	4704.31	MH-222	4694.30	12.0	370.88	0.027	44250	404158	0.91	3782790	1.2	0.01	1.4
CO-267	MH-224	4714.00	MH-223	4704.31	12.0	358.46	0.027	42000	401471	0.89	3785770	1.1	0.01	1.4
CO-268	MH-225	4738.50	MH-224	4714.00	12.0	147.96	0.166	40500	400095	0.88	9369538	0.4	0.01	1.3
CO-269	MH-226	4761.60	MH-225	4738.50	12.0	223.72	0.103	39000	398601	0.87	7398850	0.5	0.01	1.3
CO-270	MH-227	4766.18	MH-226	4761.60	12.0	263.53	0.017	39000	398513	0.96	3035493	1.3	0.03	3.1
CO-271	MH-228	4766.81	MH-227	4766.18	12.0	220.36	0.003	35250	394420	0.84	1231160	2.9	0.01	1.3
CO-272	MH-229	4767.78	MH-228	4766.81	12.0	350.04	0.003	35250	394337	0.88	1212110	2.9	0.02	2.2
CO-273	MH-230	4774.82	MH-229	4767.78	12.0	281.40	0.025	0	46342	0.00	3641986	0.0	0.00	0.0
CO-274	MH-231	4768.73	MH-229	4767.78	12.0	340.67	0.003	33225	276852	0.70	1215935	2.7	0.15	14.9
CO-275	MH-232	4769.31	MH-231	4768.73	12.0	217.58	0.003	62454	275333	0.88	1188839	5.3	0.20	19.8
CO-276	MH-233	4769.90	MH-232	4769.31	12.0	199.95	0.003	87861	273094	1.09	1250769	7.0	0.22	21.6
CO-277	MH-234	4775.70	MH-233	4769.90	12.0	390.95	0.015	67445	246168	1.65	2804583	2.4	0.13	12.5
CO-278	MH-235	4778.23	MH-234	4775.70	12.0	299.20	0.008	83415	245988	1.81	2117360	3.9	0.15	14.6
CO-279	MH-236	4778.68	MH-235	4778.23	12.0	196.07	0.002	119371	245982	1.01	1103112	10.8	0.28	28.3

2.5 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-280	MH-237	4781.30	MH-236	4778.68	12.0	277.49	0.009	308568	308568	2.89	2237375	13.8	0.00	0.1
CO-343	MH-238	4694.58	MH-222	4694.30	8.0	52.09	0.005	85500	106079	1.83	572605	14.9	0.13	20.1
CO-344	MH-239	4711.45	MH-238	4694.58	8.0	298.79	0.056	74250	94996	1.48	1855727	4.0	0.08	12.3
CO-345	MH-240	4729.70	MH-239	4711.45	8.0	251.96	0.072	72000	92586	1.48	2101847	3.4	0.08	12.7
CO-346	MH-241	4737.47	MH-240	4729.70	8.0	279.32	0.028	33000	33176	1.06	1302561	2.5	0.06	9.2
CO-347	MH-242	4738.42	MH-241	4737.47	8.0	229.91	0.004	27750	27936	0.88	502017	5.5	0.03	4.8
CO-348	MH-243	4739.65	MH-242	4738.42	8.0	392.93	0.003	21000	21235	0.97	436953	4.8	0.06	9.2
CO-349	MH-244	4745.93	MH-243	4739.65	8.0	264.11	0.024	18000	18258	1.00	1204262	1.5	0.07	10.8
CO-350	MH-245	4748.40	MH-244	4745.93	8.0	93.09	0.027	15750	15953	0.67	1272151	1.2	0.01	1.5
CO-351	MH-246	4752.72	MH-245	4748.40	8.0	397.84	0.011	9000	9342	0.63	813818	1.1	0.01	1.8
CO-352	MH-247	4753.83	MH-246	4752.72	8.0	96.91	0.011	8250	8909	0.62	835827	1.0	0.01	1.8
CO-353	MH-248	4761.34	MH-247	4753.83	8.0	268.71	0.028	4500	4583	0.68	1305613	0.3	0.03	4.4
CO-354	MH-249	4742.00	MH-241	4737.47	8.0	134.99	0.034	0	0	0.00	1430673	0.0	0.00	0.0
CO-355	MH-250	4751.89	MH-240	4729.70	8.0	322.82	0.069	29881	34774	1.17	2047552	1.5	0.09	13.3
CO-356	MH-251	4758.65	MH-250	4751.89	8.0	259.09	0.026	25673	29559	1.18	1261502	2.0	0.10	14.6
CO-357	MH-252	4761.09	MH-251	4758.65	8.0	93.62	0.026	9000	9212	0.61	1260787	0.7	0.01	1.2
CO-358	MH-253	4767.55	MH-252	4761.09	8.0	335.96	0.019	9000	9145	0.69	1082955	0.8	0.02	3.5
CO-359	MH-254	4770.21	MH-253	4767.55	8.0	275.26	0.010	7500	7639	0.68	767722	1.0	0.02	3.7
CO-360	MH-255	4774.58	MH-254	4770.21	8.0	309.80	0.014	4500	4613	0.62	927556	0.5	0.02	2.4
CO-363	MH-256	4752.13	MH-250	4751.89	8.0	154.78	0.002	0	0	0.00	307525	0.0	0.00	0.0
CO-364	MH-257	4695.98	MH-238	4694.58	8.0	315.34	0.004	5250	5255	0.70	520368	1.0	0.03	4.8
CO-365	MH-258	4700.20	MH-257	4695.98	8.0	426.37	0.010	2250	2250	0.54	776965	0.3	0.01	0.8
CO-366	MH-259	4716.00	MH-239	4711.45	8.0	250.77	0.018	0	0	0.00	1051977	0.0	0.00	0.0
CO-367	MH-260	4746.00	MH-259	4716.00	8.0	367.35	0.082	0	0	0.00	2231810	0.0	0.00	0.0
CO-368	MH-261	4752.64	MH-240	4729.70	8.0	295.58	0.078	19500	19582	0.86	2175688	0.9	0.04	6.2
CO-369	MH-262	4761.31	MH-261	4752.64	8.0	258.35	0.034	16500	16571	0.86	1430692	1.2	0.05	7.0
CO-370	MH-263	4770.00	MH-262	4761.31	8.0	265.59	0.033	15000	15057	0.88	1412660	1.1	0.05	7.9
CO-371	MH-264	4772.84	MH-263	4770.00	8.0	368.73	0.008	12750	12835	0.72	685395	1.9	0.02	3.5
CO-372	MH-265	4775.50	MH-264	4772.84	8.0	354.40	0.008	9750	9797	0.71	676597	1.4	0.03	4.2
CO-377	MH-266	4773.00	MH-227	4766.18	8.0	229.65	0.030	0	0	0.00	1345858	0.0	0.00	0.0

2.5 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-378	MH-267	4776.99	MH-266	4773.00	8.0	203.91	0.020	0	0	0.00	1092456	0.0	0.00	0.0
CO-379	MH-268	4772.87	MH-232	4769.31	12.0	259.44	0.014	0	0	0.00	2697226	0.0	0.00	0.0
CO-396	MH-269	4681.87	MH-29	4668.19	10.0	354.58	0.039	141750	173841	1.63	2781326	5.1	0.01	0.9
CO-397	MH-270	4683.48	MH-269	4681.87	10.0	402.93	0.004	135750	167719	1.70	895076	15.2	0.03	3.5
CO-398	MH-271	4688.36	MH-270	4683.48	10.0	385.42	0.013	125250	156640	1.55	1593342	7.9	0.02	1.9
CO-399	MH-272	4691.88	MH-271	4688.36	10.0	374.59	0.009	121500	152789	1.62	1372639	8.9	0.04	4.2
CO-400	MH-273	4693.40	MH-272	4691.88	10.0	381.10	0.004	97500	118367	1.42	894265	10.9	0.03	4.0
CO-401	MH-274	4700.90	MH-273	4693.40	8.0	351.38	0.021	93000	114286	1.31	1140975	8.2	0.02	2.6
CO-402	MH-275	4744.00	MH-274	4700.90	8.0	359.94	0.120	54000	75351	0.99	2702464	2.0	0.01	2.2
CO-403	MH-276	4753.00	MH-275	4744.00	8.0	350.61	0.026	54000	74866	0.99	1251263	4.3	0.01	2.2
CO-404	MH-277	4755.00	MH-276	4753.00	8.0	126.80	0.016	52500	73371	0.98	980830	5.4	0.01	2.2
CO-405	MH-278	4759.00	MH-277	4755.00	8.0	270.08	0.015	51000	71853	1.13	950428	5.4	0.05	7.0
CO-406	MH-279	4762.15	MH-278	4759.00	8.0	352.59	0.009	46500	67247	1.01	738169	6.3	0.03	4.6
CO-407	MH-280	4765.71	MH-279	4762.15	8.0	396.08	0.009	42000	62798	0.95	740408	5.7	0.02	3.7
CO-408	MH-281	4769.00	MH-280	4765.71	8.0	361.48	0.009	39000	59722	0.91	745068	5.2	0.02	3.3
CO-409	MH-282	4775.66	MH-281	4769.00	8.0	401.13	0.017	7500	7706	0.60	1006306	0.7	0.01	1.2
CO-410	MH-283	4778.40	MH-282	4775.66	8.0	346.59	0.008	6000	6119	0.66	694389	0.9	0.02	3.5
CO-411	MH-284	4780.00	MH-283	4778.40	8.0	404.95	0.004	2250	2325	0.57	490902	0.5	0.01	1.5
CO-412	MH-285	4772.78	MH-281	4769.00	8.0	355.59	0.011	27000	47516	0.77	805204	3.4	0.01	1.8
CO-413	MH-286	4773.87	MH-285	4772.78	8.0	385.97	0.003	23250	43779	0.77	415024	5.6	0.02	2.6
CO-414	MH-287	4774.81	MH-286	4773.87	10.0	340.98	0.003	22500	43021	0.83	743472	3.0	0.03	3.7
CO-415	MH-288	4775.93	MH-287	4774.81	10.0	402.67	0.003	20250	40815	0.83	746791	2.7	0.04	4.2
CO-416	MH-289	4776.98	MH-288	4775.93	10.0	371.53	0.003	17404	30127	1.02	752766	2.3	0.08	9.1
CO-417	MH-290	4778.00	MH-289	4776.98	10.0	355.09	0.003	20084	25683	1.07	758923	2.6	0.08	10.0
CO-418	MH-291	4779.60	MH-290	4778.00	8.0	338.48	0.005	5250	5499	0.70	536947	1.0	0.03	4.8
CO-419	MH-292	4781.00	MH-291	4779.60	8.0	361.87	0.004	3000	3104	0.59	485765	0.6	0.01	2.0
CO-422	MH-293	4713.63	MH-274	4700.90	8.0	231.04	0.055	35250	35571	0.84	1833179	1.9	0.01	1.9
CO-423	MH-294	4730.96	MH-293	4713.63	8.0	202.43	0.086	35250	35583	0.84	2285091	1.5	0.01	1.9
CO-424	MH-295	4742.14	MH-294	4730.96	8.0	325.03	0.034	35250	35500	1.05	1448429	2.4	0.06	8.3
CO-425	MH-296	4750.00	MH-295	4742.14	8.0	395.10	0.020	25500	25657	0.78	1101528	2.3	0.02	2.4

2.5 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-426	MH-297	4757.00	MH-296	4750.00	8.0	364.95	0.019	24000	24076	0.79	1081613	2.2	0.02	3.1
CO-427	MH-298	4763.61	MH-297	4757.00	8.0	418.37	0.016	18750	18952	0.70	981654	1.9	0.01	1.6
CO-428	MH-299	4765.00	MH-298	4763.61	8.0	337.02	0.004	12000	12126	0.92	501549	2.4	0.07	9.9
CO-429	MH-300	4766.56	MH-299	4765.00	8.0	389.03	0.004	3000	3047	0.57	494548	0.6	0.01	1.5
CO-432	MH-301	4764.00	MH-297	4757.00	8.0	398.86	0.018	0	0	0.00	1034613	0.0	0.00	0.0
CO-433	MH-302	4749.15	MH-295	4742.14	8.0	233.13	0.030	4530	4579	0.57	1354235	0.3	0.01	1.0
CO-434	MH-303	4756.00	MH-302	4749.15	8.0	235.80	0.029	0	0	0.00	1331087	0.0	0.00	0.0
CO-435	MH-304	4695.15	MH-272	4691.88	8.0	420.78	0.008	18000	28462	0.78	688471	2.6	0.03	4.2
CO-436	MH-305	4699.00	MH-304	4695.15	8.0	339.24	0.011	14250	24732	0.77	831987	1.7	0.03	4.8
CO-437	MH-306	4702.58	MH-305	4699.00	8.0	483.21	0.007	2250	12678	0.25	672218	0.3	0.06	8.3
CO-438	MH-37	4709.89	MH-306	4702.58	8.0	280.40	0.026	0	10480	0.00	1260968	0.0	0.00	0.0
CO-439	MH-307	4709.00	MH-305	4699.00	8.0	257.71	0.039	5250	5250	0.61	1538414	0.3	0.01	2.2
CO-441	MH-308	4684.40	MH-270	4683.48	8.0	232.59	0.004	0	0	0.00	491177	0.0	0.00	0.0
CO-442	MH-309	4687.89	MH-270	4683.48	8.0	267.77	0.016	4500	4637	0.59	1002256	0.4	0.01	1.5
CO-443	MH-310	4689.17	MH-309	4687.89	8.0	320.76	0.004	0	0	0.00	493349	0.0	0.00	0.0
CO-444	MH-311	4709.00	MH-33	4691.00	8.0	285.95	0.063	0	0	0.00	1959414	0.0	0.00	0.0
CO-445	MH-311	4709.00	MH-305	4699.00	8.0	485.09	0.021	0	0	0.00	1121309	0.0	0.00	0.0
CO-446	MH-312	4697.50	MH-35	4695.40	8.0	352.04	0.006	16500	16682	0.82	603183	2.7	0.04	5.7
CO-447	MH-313	4706.00	MH-312	4697.50	8.0	406.27	0.021	12750	12900	0.65	1129638	1.1	0.01	1.4
CO-448	MH-314	4742.00	MH-313	4708.00	8.0	358.33	0.095	4509	4555	0.57	2405650	0.2	0.01	1.0
CO-449	MH-315	4748.00	MH-314	4742.00	8.0	243.46	0.025	0	0	0.00	1226023	0.0	0.00	0.0
CO-450	MH-316	4750.00	MH-313	4708.00	8.0	474.71	0.088	3000	3000	0.57	2322987	0.1	0.01	1.3
CO-451	MH-317	4650.44	MH-144	4648.46	8.0	322.16	0.006	54750	54961	1.04	612254	8.9	0.02	3.5
CO-452	MH-318	4652.02	MH-317	4650.44	8.0	408.99	0.004	54750	54930	1.09	485413	11.3	0.03	5.1
CO-453	MH-319	4665.60	MH-318	4652.02	8.0	382.61	0.035	31500	31779	0.81	1471326	2.1	0.01	2.0
CO-455	MH-321	4684.80	MH-320	4675.00	8.0	214.04	0.046	27000	27072	0.77	1671088	1.6	0.01	1.8
CO-456	MH-322	4687.71	MH-321	4684.80	8.0	273.68	0.011	4579	4605	0.66	805312	0.6	0.02	3.7
CO-457	MH-323	4692.68	MH-322	4687.71	8.0	285.33	0.017	0	0	0.00	1030720	0.0	0.00	0.0
CO-458	MH-324	4688.82	MH-321	4684.80	8.0	281.92	0.014	11688	11688	0.82	932583	1.3	0.05	6.8
CO-459	MH-325	4689.86	MH-324	4688.82	8.0	255.50	0.004	0	0	0.00	498262	0.0	0.00	0.0

2.5 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-460	MH-326	4671.03	MH-319	4665.60	8.0	98.58	0.055	27000	27340	0.77	1832906	1.5	0.01	1.8
CO-461	MH-320	4675.00	MH-326	4671.03	8.0	112.01	0.035	27000	27140	0.77	1470283	1.8	0.01	1.8
CO-463	MH-327	4676.00	MH-320	4675.00	8.0	77.86	0.013	0	0	0.00	885049	0.0	0.00	0.0
CO-464	MH-328	4653.68	MH-318	4652.02	8.0	397.64	0.004	17250	17305	0.85	504600	3.4	0.04	6.4
CO-465	MH-329	4655.30	MH-328	4653.68	8.0	390.90	0.004	13500	13593	0.84	502763	2.7	0.05	7.0
CO-466	MH-330	4664.00	MH-329	4655.30	8.0	288.69	0.030	6195	6195	0.72	1355762	0.5	0.03	5.1
CO-467	MH-331	4680.63	MH-330	4664.00	8.0	307.35	0.054	6359	6359	0.70	1816638	0.4	0.03	4.6
CO-469	MH-332	4654.30	MH-27	4646.94	8.0	402.75	0.018	3750	3778	0.56	1055745	0.4	0.01	1.0
CO-470	MH-333	4648.00	MH-27	4646.94	8.0	257.57	0.004	0	0	0.00	501010	0.0	0.00	0.0
CO-472	MH-334	4658.80	MH-104	4652.94	8.0	331.62	0.018	15000	15003	0.80	1038168	1.4	0.04	5.5
CO-473	MH-335	4677.02	MH-334	4658.80	8.0	390.25	0.047	9750	9903	0.62	1687495	0.6	0.01	1.3
CO-474	MH-336	4684.70	MH-335	4677.02	8.0	378.88	0.020	3804	3910	0.56	1111909	0.3	0.01	1.0
CO-475	MH-337	4693.00	MH-335	4677.02	8.0	589.42	0.027	1500	1500	0.54	1285921	0.1	0.00	0.7
CO-476	MH-338	4679.54	MH-144	4650.64	8.0	604.48	0.048	20250	20415	0.71	1707641	1.2	0.01	1.6
CO-477	MH-339	4686.73	MH-338	4679.54	8.0	195.24	0.037	20250	20385	0.71	1498702	1.4	0.01	1.6
CO-478	MH-340	4693.50	MH-339	4688.73	8.0	321.20	0.015	4500	4512	0.62	951711	0.5	0.02	2.6
CO-479	MH-341	4701.85	MH-340	4693.50	8.0	293.51	0.028	0	0	0.00	1317251	0.0	0.00	0.0
CO-480	MH-342	4689.83	MH-339	4686.73	8.0	303.79	0.010	5250	5273	0.68	788912	0.7	0.03	4.2
CO-483	MH-343	4674.78	MH-146	4658.22	12.0	406.32	0.041	195750	501185	2.04	4648452	4.2	0.01	0.6
CO-484	MH-344	4693.14	MH-343	4674.78	12.0	386.41	0.048	190500	496156	1.99	5019120	3.8	0.00	0.3
CO-485	MH-345	4709.74	MH-344	4693.14	8.0	386.67	0.043	0	0	0.00	1618153	0.0	0.00	0.0
CO-486	MH-346	4724.02	MH-344	4693.14	12.0	388.89	0.079	186750	492179	1.96	6488448	2.9	0.00	0.3
CO-487	MH-347	4745.99	MH-346	4726.08	12.0	372.86	0.053	185250	490736	1.96	5320805	3.5	0.00	0.4
CO-488	MH-348	4749.39	MH-347	4745.99	12.0	363.35	0.009	180000	485249	1.97	2227374	8.1	0.02	1.6
CO-489	MH-41	4754.10	MH-348	4749.39	12.0	353.32	0.013	177000	482168	1.92	2658527	6.7	0.01	1.0
CO-490	MH-349	4734.50	MH-37	4711.13	8.0	306.60	0.076	4750	4750	0.66	2156168	0.2	0.02	3.7
CO-491	MH-350	4752.00	MH-349	4734.50	8.0	271.65	0.064	0	0	0.00	1982219	0.0	0.00	0.0
CO-492	MH-351	4759.00	MH-39	4753.50	8.0	252.54	0.022	2250	2344	0.59	1152534	0.2	0.01	2.2
CO-493	MH-352	4761.50	MH-351	4759.00	8.0	277.22	0.009	0	0	0.00	741645	0.0	0.00	0.0
CO-494	MH-353	4758.80	MH-41	4754.10	8.0	352.86	0.013	3750	3883	0.56	901326	0.4	0.01	1.0

2.5 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-495	MH-354	4763.00	MH-353	4758.80	8.0	285.76	0.015	0	0	0.00	946814	0.0	0.00	0.0
CO-496	MH-355	4770.50	MH-45	4758.62	8.0	340.13	0.035	0	0	0.00	1459568	0.0	0.00	0.0
CO-497	MH-356	4774.25	MH-355	4770.50	8.0	303.11	0.012	0	0	0.00	868667	0.0	0.00	0.0
CO-498	MH-357	4778.00	MH-356	4774.25	8.0	293.70	0.013	0	0	0.00	882472	0.0	0.00	0.0
CO-499	MH-358	4759.68	MH-46	4757.38	8.0	389.79	0.006	4500	4646	0.62	599913	0.8	0.02	2.6
CO-505	MH-359	4775.45	MH-179	4772.75	8.0	299.22	0.009	0	0	0.00	741861	0.0	0.00	0.0
CO-506	MH-360	4771.62	MH-233	4769.90	8.0	381.08	0.005	21750	21876	1.10	524680	4.1	0.09	13.0
CO-507	MH-361	4773.16	MH-360	4771.62	8.0	387.20	0.004	20250	20267	0.98	492525	4.1	0.06	9.7
CO-508	MH-362	4774.60	MH-361	4773.16	8.0	355.83	0.004	2250	2291	0.54	496820	0.5	0.01	0.8
CO-511	MH-363	4779.65	MH-361	4773.16	8.0	443.88	0.015	8250	8272	0.61	944340	0.9	0.01	1.3
CO-524	MH-364	4793.58	MH-60	4781.97	12.0	198.36	0.059	53778	245746	0.99	5570612	1.0	0.01	1.5
CO-525	MH-365	4794.65	MH-364	4793.58	12.0	214.40	0.005	63917	245561	1.61	1626647	3.9	0.12	12.3
CO-526	MH-366	4796.70	MH-365	4794.65	12.0	410.00	0.005	82208	245670	1.84	1628167	5.0	0.14	14.1
CO-527	MH-367	4798.75	MH-366	4796.70	12.0	410.00	0.005	42000	161477	0.89	1628167	2.6	0.01	1.4
CO-528	MH-368	4800.81	MH-367	4798.75	12.0	410.00	0.005	42000	161578	1.21	1632133	2.6	0.08	7.8
CO-529	MH-369	4803.86	MH-368	4800.81	12.0	412.49	0.007	53714	161534	1.34	1979963	2.7	0.08	8.5
CO-531	MH-371	4807.67	MH-370	4806.01	12.0	306.21	0.005	96087	124417	1.89	1695345	5.7	0.16	15.6
CO-532	MH-372	4810.70	MH-371	4807.67	12.0	378.51	0.008	119104	119104	2.05	2060139	5.8	0.13	12.6
CO-533	MH-373	4813.73	MH-372	4810.70	12.0	378.51	0.008	98028	98028	1.86	2060139	4.8	0.12	12.1
CO-540	MH-374	4655.87	MH-107	4654.27	8.0	402.61	0.004	1500	1500	0.54	492327	0.3	0.00	0.7
CO-541	MH-375	4657.39	MH-374	4655.87	8.0	379.74	0.004	1500	1500	0.54	494104	0.3	0.00	0.7
CO-542	MH-376	4659.03	MH-375	4657.39	8.0	401.84	0.004	750	750	0.53	498920	0.2	0.00	0.6
CO-543	MH-377	4662.84	MH-111	4658.01	8.0	307.86	0.016	9750	9926	0.73	978217	1.0	0.03	4.6
CO-544	MH-378	4664.60	MH-377	4662.84	8.0	289.29	0.006	8250	8388	0.82	609157	1.4	0.05	7.7
CO-545	MH-379	4694.65	MH-110	4688.13	8.0	323.17	0.020	2250	2300	0.54	1109287	0.2	0.01	0.8
CO-557	MH-380	4782.11	MH-72	4781.23	8.0	166.83	0.005	5250	5271	0.63	567198	0.9	0.02	2.6
CO-558	MH-381	4782.70	MH-380	4782.11	8.0	147.45	0.004	3759	3794	0.59	494022	0.8	0.01	1.8
CO-559	MH-382	4778.75	MH-75	4777.55	8.0	149.05	0.008	3000	3113	0.66	700746	0.4	0.03	4.0
CO-563	MH-383	4638.66	MH-201	4637.90	8.0	184.24	0.004	0	0	0.00	501593	0.0	0.00	0.0
CO-564	MH-384	4632.52	MH-121	4629.17	8.0	402.78	0.008	4500	4510	0.62	712242	0.6	0.02	2.4

2.5 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-565	MH-385	4609.86	MH-89	4607.92	8.0	434.76	0.004	16688	55780	0.95	521689	3.2	0.09	13.2
CO-566	MH-90	4612.22	MH-385	4609.86	8.0	351.68	0.007	3705	32482	0.62	639766	0.6	0.02	2.9
CO-604	MH-387	4808.53	MH-386	4806.82	8.0	400.00	0.004	0	0	0.00	510629	0.0	0.00	0.0
CO-605	MH-388	4807.90	MH-370	4806.34	8.0	400.00	0.004	0	0	0.00	487719	0.0	0.00	0.0
CO-606	MH-389	4808.75	MH-388	4807.90	8.0	400.00	0.002	0	0	0.00	360012	0.0	0.00	0.0
CO-607	MH-390	4809.55	MH-389	4808.75	8.0	160.26	0.005	0	0	0.00	551787	0.0	0.00	0.0
CO-608	MH-391	4809.91	MH-390	4809.55	8.0	245.84	0.001	0	0	0.00	298855	0.0	0.00	0.0
CO-613	MH-392	4779.50	MH-288	4775.93	8.0	324.88	0.011	6750	6882	0.70	818666	0.8	0.03	4.4
CO-614	MH-393	4780.77	MH-392	4779.50	8.0	313.53	0.004	3000	3089	0.67	497049	0.6	0.03	4.4

Calculation Executive Summary

Scenario			
Label	4.0 Peak Demand		
Storm Event			
Label	Base Rainfall Runoff	Return Event	(N/A) years
Global Storm Event	<None>		
Calculation Executive Summary			
Total Inflow Volume	3172847.09 gal	Total System Volume Change	150069.52 gal
Total System Outflow Volume	3210526.47 gal	Continuity Error	5.8 %
Total System Overflow Volume	0.00 gal	Total N-R Iterations	79002
Total Gutter Volume Change	(N/A) gal		

*Not all collector lines shown in Appendix A are included in the model. The system is modeled until at most 320 RE units are upstream of the line.

4.0 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-2	MH-2	4537.45	MH-1	4537.17	24.0	426.64	0.001	1627800	3299861	13.09	3745501	43.5	0.00	0.0
CO-3	MH-3	4537.89	MH-2	4537.45	24.0	476.55	0.001	1627800	3299610	13.09	4442530	36.6	0.00	0.0
CO-4	MH-4	4538.11	MH-3	4537.89	24.0	213.35	0.001	1627800	3299861	13.09	4694894	34.7	0.00	0.0
CO-5	MH-5	4538.30	MH-4	4538.11	24.0	406.95	0.000	1601400	3056727	12.89	3159137	50.7	0.00	0.0
CO-6	MH-6	4541.70	MH-5	4538.30	24.0	806.87	0.004	1601400	3056964	12.89	9490702	16.9	0.00	0.0
CO-7	MH-7	4544.32	MH-6	4541.70	24.0	355.98	0.007	1601400	3057514	12.89	12542933	12.8	0.00	0.0
CO-8	MH-8	4547.27	MH-7	4544.32	24.0	410.10	0.007	1601400	3057293	12.89	12400199	12.9	0.00	0.0
CO-9	MH-9	4550.23	MH-8	4547.27	24.0	401.42	0.007	1601400	3057204	12.89	12554694	12.8	0.00	0.0
CO-10	MH-10	4552.71	MH-9	4550.23	24.0	335.34	0.007	1601400	3056936	12.89	12573146	12.7	0.00	0.0
CO-11	MH-11	4561.11	MH-10	4552.71	12.0	394.56	0.021	654600	839491	5.62	3359652	19.5	0.01	1.2
CO-12	MH-12	4572.50	MH-11	4561.11	12.0	396.13	0.029	654600	839635	5.66	3904430	16.8	0.02	1.9
CO-13	MH-13	4574.45	MH-12	4572.50	12.0	156.02	0.012	654600	839727	5.70	2574219	25.4	0.03	2.6
CO-14	MH-14	4600.42	MH-13	4574.45	12.0	411.95	0.063	654600	839798	5.74	5781292	11.3	0.04	3.5
CO-15	MH-15	4606.53	MH-14	4600.42	12.0	314.89	0.019	643800	829155	5.93	3207425	20.1	0.09	8.9
CO-16	MH-16	4614.51	MH-15	4606.53	12.0	615.41	0.013	643800	828844	5.76	2622009	24.6	0.06	5.6
CO-17	MH-17	4618.43	MH-16	4614.51	12.0	389.31	0.010	612600	770972	5.24	2310520	26.5	0.00	0.0
CO-18	MH-18	4622.64	MH-17	4618.43	12.0	413.57	0.010	612600	770906	5.24	2323156	26.4	0.00	0.0
CO-19	MH-19	4624.30	MH-18	4622.64	12.0	398.71	0.004	612600	771187	5.39	1485729	41.2	0.03	2.9
CO-20	MH-20	4626.31	MH-19	4624.30	12.0	155.85	0.013	612600	771232	5.32	2614956	23.4	0.02	1.6
CO-21	MH-21	4627.60	MH-20	4626.31	12.0	328.34	0.004	463200	504948	4.55	1443263	32.1	0.09	9.4
CO-22	MH-22	4633.00	MH-21	4627.60	12.0	383.26	0.014	458400	500079	4.19	2733165	16.8	0.03	2.8
CO-23	MH-23	4636.83	MH-22	4633.00	12.0	760.42	0.005	440400	481988	4.27	1634129	27.0	0.07	7.2
CO-24	MH-24	4640.31	MH-23	4636.83	12.0	344.73	0.010	418800	460305	4.15	2313473	18.1	0.08	8.2
CO-25	MH-25	4645.15	MH-24	4640.31	12.0	407.88	0.012	412800	454576	3.86	2508257	16.5	0.03	3.4
CO-26	MH-26	4645.26	MH-25	4645.15	12.0	335.99	0.000	376800	418179	3.60	416629	90.4	0.04	3.7
CO-27	MH-27	4646.94	MH-26	4645.26	12.0	402.38	0.004	376800	418342	3.86	1487828	25.3	0.09	8.9
CO-28	MH-28	4659.30	MH-27	4646.94	12.0	393.52	0.031	358800	400303	3.34	4080752	8.8	0.01	1.3
CO-29	MH-29	4668.19	MH-28	4659.30	12.0	409.56	0.022	354000	395616	3.33	3392379	10.4	0.02	1.9
CO-30	MH-30	4682.30	MH-29	4668.19	8.0	411.74	0.034	117600	117600	1.50	1445739	8.1	0.02	2.9
CO-31	MH-31	4685.80	MH-30	4682.30	8.0	330.06	0.011	110400	110400	1.86	804218	13.7	0.10	15.2

4.0 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-32	MH-32	4687.30	MH-31	4685.80	8.0	372.21	0.004	96000	96000	1.84	495782	19.4	0.12	17.8
CO-33	MH-33	4691.00	MH-32	4687.30	8.0	379.22	0.010	88800	88800	1.54	771419	11.5	0.07	10.5
CO-34	MH-34	4692.60	MH-33	4691.00	8.0	404.15	0.004	76800	91633	1.83	491391	15.6	0.15	22.0
CO-35	MH-35	4695.40	MH-34	4692.60	8.0	357.92	0.008	76800	76800	1.38	690755	11.1	0.06	8.6
CO-36	MH-36	4699.00	MH-35	4695.40	8.0	379.25	0.009	40800	40800	1.15	760894	5.4	0.07	9.9
CO-37	MH-37	4709.89	MH-36	4699.00	8.0	335.58	0.032	34800	34800	1.10	1406867	2.5	0.07	9.9
CO-38	MH-38	4738.80	MH-37	4709.89	8.0	409.14	0.071	19200	19443	0.70	2075983	0.9	0.01	1.6
CO-39	MH-39	4753.50	MH-38	4740.80	8.0	338.08	0.038	16800	16848	0.68	1513670	1.1	0.01	1.5
CO-40	MH-40	4755.95	MH-39	4753.50	8.0	339.47	0.007	7200	7608	0.59	663469	1.1	0.01	1.2
CO-41	MH-40	4757.60	MH-41	4754.10	8.0	424.68	0.008	0	0	0.00	708987	0.0	0.00	0.0
CO-42	MH-42	4754.46	MH-41	4754.10	15.0	178.53	0.002	219600	781580	2.20	1874730	11.7	0.00	0.0
CO-43	MH-43	4754.95	MH-42	4754.46	15.0	249.88	0.002	219600	781526	2.20	1848728	11.9	0.00	0.0
CO-44	MH-44	4755.27	MH-43	4754.95	15.0	218.02	0.001	219600	781525	2.35	1599425	13.7	0.03	2.3
CO-45	MH-45	4755.87	MH-44	4755.27	15.0	420.29	0.001	219600	781398	2.98	1577392	13.9	0.16	12.5
CO-46	MH-46	4757.38	MH-45	4755.87	15.0	395.41	0.004	219600	781573	2.94	2579904	8.5	0.15	11.9
CO-47	MH-47	4758.96	MH-46	4757.38	15.0	33.48	0.047	212400	774524	2.29	9068710	2.3	0.03	2.3
CO-48	MH-48	4771.52	MH-47	4758.96	12.0	424.19	0.030	212400	703600	2.18	3962142	5.4	0.01	0.7
CO-49	MH-49	4773.25	MH-48	4771.52	12.0	312.03	0.006	206400	697420	2.42	1714493	12.0	0.06	6.4
CO-50	MH-50	4774.14	MH-49	4773.25	12.0	405.55	0.002	200400	691541	2.28	1078663	18.6	0.05	4.5
CO-51	MH-51	4774.96	MH-50	4774.14	12.0	371.83	0.002	195600	686705	2.41	1081306	18.1	0.08	7.9
CO-52	MH-52	4775.48	MH-51	4774.96	12.0	268.00	0.002	148800	637654	2.51	1014260	14.7	0.17	17.2
CO-53	MH-53	4776.00	MH-52	4775.48	12.0	211.04	0.002	144000	632901	2.38	1142959	12.6	0.18	17.7
CO-54	MH-54	4778.29	MH-53	4776.00	12.0	268.63	0.009	71972	549796	1.71	2125976	3.4	0.13	13.1
CO-55	MH-55	4779.16	MH-54	4778.29	12.0	395.99	0.002	103347	545959	1.29	1079268	9.6	0.22	21.5
CO-56	MH-56	4780.00	MH-55	4779.16	12.0	376.08	0.002	55200	430724	1.22	1088218	5.1	0.06	5.9
CO-57	MH-57	4780.60	MH-56	4780.00	12.0	282.71	0.002	49200	424623	1.37	1060768	4.6	0.10	9.8
CO-58	MH-58	4781.20	MH-57	4780.60	12.0	272.60	0.002	48124	418736	0.90	1080261	4.5	0.16	16.2
CO-59	MH-59	4781.87	MH-58	4781.20	12.0	300.86	0.002	76696	411548	1.15	1086603	7.1	0.19	18.9
CO-60	MH-60	4781.97	MH-59	4781.87	12.0	48.53	0.002	88823	405812	1.35	1045171	8.5	0.19	18.7
CO-61	MH-61	4782.83	MH-60	4781.97	12.0	391.01	0.002	9600	9670	0.74	1079860	0.9	0.03	3.2

4.0 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-64	MH-62	4777.94	MH-51	4774.96	8.0	334.43	0.009	37200	39386	0.85	737207	5.0	0.01	2.0
CO-65	MH-63	4778.72	MH-62	4777.94	8.0	155.89	0.005	33600	35726	0.83	552432	6.1	0.01	2.0
CO-66	MH-64	4779.76	MH-63	4778.72	8.0	255.49	0.004	28800	30943	1.10	498273	5.8	0.07	11.2
CO-67	MH-65	4781.08	MH-64	4779.76	8.0	330.81	0.004	22800	24929	1.09	493326	4.6	0.08	12.3
CO-68	MH-66	4782.49	MH-65	4781.08	8.0	350.80	0.004	10800	12889	0.81	495127	2.2	0.05	6.8
CO-69	MH-67	4783.98	MH-66	4782.49	8.0	434.19	0.003	0	2084	0.00	457498	0.0	0.00	0.0
CO-70	MH-67	4783.98	MH-68	4783.00	8.0	134.42	0.007	4800	4800	0.61	666832	0.7	0.01	2.2
CO-71	MH-68	4783.00	MH-69	4781.87	8.0	262.21	0.004	12000	12000	0.91	512688	2.3	0.07	10.8
CO-72	MH-70	4783.10	MH-69	4781.87	8.0	307.25	0.004	3600	3650	0.63	494136	0.7	0.02	3.1
CO-74	MH-71	4783.00	MH-72	4781.23	8.0	179.15	0.010	0	0	0.00	776275	0.0	0.00	0.0
CO-75	MH-72	4781.23	MH-73	4780.38	8.0	206.46	0.004	14400	14408	0.68	501103	2.9	0.01	2.0
CO-76	MH-73	4780.38	MH-74	4779.72	8.0	86.28	0.008	19200	19200	0.80	683062	2.8	0.03	4.6
CO-77	MH-74	4779.72	MH-75	4777.55	8.0	438.07	0.005	21600	21600	0.86	549663	3.9	0.04	5.9
CO-78	MH-75	4777.55	MH-53	4776.00	8.0	271.55	0.006	81600	81600	1.40	590034	13.8	0.05	8.1
CO-79	MH-76	4778.84	MH-75	4777.55	8.0	270.54	0.005	43200	43200	1.32	539279	8.0	0.10	14.7
CO-80	MH-77	4780.35	MH-76	4778.84	8.0	387.67	0.004	31200	31200	1.07	487411	6.4	0.07	9.9
CO-81	MH-69	4781.87	MH-77	4780.35	8.0	380.48	0.004	22800	22800	0.98	493621	4.6	0.06	9.2
CO-91	MH-78	4545.56	MH-4	4538.11	10.0	403.26	0.018	29217	242826	1.04	1924631	1.5	0.06	7.6
CO-92	MH-79	4550.28	MH-78	4545.56	10.0	398.27	0.012	36269	242703	1.26	1541503	2.4	0.11	13.6
CO-93	MH-80	4554.73	MH-79	4550.28	10.0	148.10	0.030	35829	242800	1.08	2454485	1.5	0.06	7.4
CO-94	MH-81	4561.81	MH-80	4554.73	10.0	387.15	0.018	47903	242815	1.43	1914875	2.5	0.11	13.5
CO-95	MH-82	4569.38	MH-81	4561.81	10.0	412.96	0.018	41456	185157	1.30	1917166	2.2	0.10	11.5
CO-96	MH-83	4576.67	MH-82	4569.38	10.0	397.73	0.018	54634	184911	1.52	1917044	2.8	0.12	14.3
CO-99	MH-85	4590.00	MH-84	4586.25	8.0	190.68	0.020	50673	184983	1.43	1095209	4.6	0.11	16.2
CO-100	MH-87	4593.61	MH-85	4590.00	8.0	405.89	0.009	57474	176611	1.38	736528	7.8	0.16	24.0
CO-101	MH-88	4602.50	MH-87	4593.61	8.0	275.54	0.032	74554	176670	1.73	1402790	5.3	0.13	19.7
CO-102	MH-89	4607.92	MH-88	4602.50	8.0	289.31	0.019	29832	107019	1.03	1068949	2.8	0.06	9.0
CO-104	MH-91	4616.93	MH-90	4612.22	8.0	512.67	0.009	24689	51870	1.18	748562	3.3	0.10	14.7
CO-105	MH-92	4619.72	MH-91	4616.93	8.0	292.16	0.010	27680	51804	1.16	763188	3.6	0.11	16.3
CO-106	MH-93	4621.11	MH-92	4619.72	8.0	286.95	0.005	34654	51815	0.90	543555	6.4	0.15	22.6

4.0 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-111	MH-94	4622.57	MH-93	4621.11	8.0	411.26	0.004	0	0	0.00	465322	0.0	0.00	0.0
CO-114	MH-394	4769.70	MH-158	4767.50	8.0	326.93	0.007	4800	4800	0.68	640647	0.7	0.03	4.4
CO-115	MH-86	4778.25	MH-362	4774.60	8.0	292.37	0.012	0	0	0.00	872599	0.0	0.00	0.0
CO-118	MH-395	4805.20	MH-369	4803.86	12.0	106.33	0.013	137201	258742	2.08	2584910	5.3	0.10	10.4
CO-119	MH-370	4806.01	MH-395	4805.20	12.0	299.06	0.003	140366	237284	1.63	1198325	11.7	0.23	22.6
CO-120	MH-386	4806.82	MH-395	4805.20	8.0	513.00	0.003	0	0	0.00	438870	0.0	0.00	0.0
CO-122	MH-102	4648.27	MH-101	4646.41	10.0	388.06	0.005	109800	110022	1.77	980330	11.2	0.08	10.0
CO-123	MH-104	4650.92	MH-103	4649.62	10.0	389.85	0.003	88200	88433	1.52	817687	10.8	0.07	8.1
CO-124	MH-1	4537.17	OF-1	4535.00	24.0	115.62	0.019	1627800	3299763	13.09	20029760	8.1	0.00	0.0
CO-125	MH-84	4586.25	MH-83	4576.67	8.0	299.61	0.032	59616	184944	1.57	1396507	4.3	0.12	18.2
CO-130	MH-95	4627.39	MH-20	4626.31	10.0	366.60	0.003	145800	262782	2.06	768564	19.0	0.09	10.4
CO-131	MH-96	4630.76	MH-95	4627.39	10.0	375.98	0.009	145800	262673	1.88	1340591	10.9	0.05	6.0
CO-132	MH-97	4640.79	MH-96	4630.76	8.0	551.03	0.018	7200	7206	0.59	1053655	0.7	0.01	1.2
CO-135	MH-98	4653.50	MH-99	4648.47	8.0	203.61	0.025	0	0	0.00	1227503	0.0	0.00	0.0
CO-136	MH-99	4648.47	MH-100	4647.61	8.0	229.31	0.004	0	0	0.00	478273	0.0	0.00	0.0
CO-137	MH-101	4646.41	MH-100	4645.61	10.0	337.94	0.002	109800	202700	1.54	688948	15.9	0.21	25.5
CO-140	MH-103	4649.62	MH-102	4648.27	10.0	402.53	0.003	94200	94489	1.49	820038	11.5	0.05	6.3
CO-143	MH-105	4652.21	MH-104	4650.92	10.0	255.63	0.005	35400	35512	1.14	1005888	3.5	0.07	8.8
CO-144	MH-106	4653.08	MH-105	4652.21	10.0	256.19	0.003	30600	30764	1.20	825168	3.7	0.09	11.1
CO-145	MH-107	4654.27	MH-106	4653.08	8.0	291.26	0.004	3600	3686	0.56	499193	0.7	0.01	1.0
CO-146	MH-108	4668.50	MH-106	4653.08	10.0	232.32	0.066	27000	27163	0.85	3648031	0.7	0.03	3.3
CO-147	MH-109	4684.65	MH-108	4670.16	8.0	322.95	0.045	16800	16946	0.93	1654269	1.0	0.06	9.0
CO-148	MH-110	4688.13	MH-109	4684.65	8.0	428.69	0.008	12000	12064	0.75	703646	1.7	0.03	4.8
CO-149	MH-111	4658.01	MH-104	4650.92	8.0	296.64	0.024	19200	19246	0.98	1207383	1.6	0.07	9.9
CO-152	MH-100	4645.61	MH-112	4644.60	10.0	333.52	0.003	109800	202735	2.18	779221	14.1	0.17	20.0
CO-153	MH-96	4630.76	MH-113	4632.70	10.0	387.95	-0.005	-138600	231608	-1.68	1001335	-13.8	0.02	2.6
CO-154	MH-114	4635.69	MH-113	4632.70	10.0	321.88	0.009	136200	229260	1.80	1364745	10.0	0.05	5.8
CO-155	MH-115	4637.65	MH-114	4635.69	10.0	325.43	0.006	124200	217286	1.58	1098915	11.3	0.02	2.8
CO-156	MH-116	4639.65	MH-115	4637.65	10.0	407.72	0.005	124200	217267	1.53	991742	12.5	0.01	1.8
CO-157	MH-117	4638.70	MH-114	4635.69	8.0	224.15	0.013	4976	4976	0.57	904998	0.5	0.01	1.0

4.0 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-158	MH-118	4618.96	MH-16	4614.51	8.0	390.33	0.011	31200	31343	0.86	833875	3.7	0.02	3.5
CO-159	MH-119	4620.27	MH-118	4618.96	8.0	335.14	0.004	25200	25348	1.13	488268	5.2	0.09	13.0
CO-160	MH-120	4622.92	MH-119	4620.27	8.0	381.17	0.007	20400	20533	0.87	651180	3.1	0.04	6.4
CO-161	MH-121	4629.17	MH-120	4622.92	8.0	405.77	0.015	13200	13322	0.65	969255	1.4	0.01	1.4
CO-162	MH-122	4556.32	MH-10	4553.40	21.0	406.08	0.007	946800	2218051	7.82	8683675	10.9	0.00	0.0
CO-163	MH-123	4559.02	MH-122	4556.32	21.0	398.03	0.007	946800	2217873	7.82	8434129	11.2	0.00	0.0
CO-164	MH-124	4561.75	MH-123	4559.02	21.0	409.38	0.007	946800	2217779	7.82	8362421	11.3	0.00	0.0
CO-165	MH-125	4564.50	MH-124	4561.75	21.0	403.39	0.007	946800	2217827	7.82	8455110	11.2	0.00	0.0
CO-166	MH-126	4567.22	MH-125	4564.50	21.0	409.39	0.007	946800	2217603	7.91	8346966	11.3	0.02	0.9
CO-167	MH-127	4568.93	MH-126	4567.22	21.0	254.31	0.007	946800	2217874	8.08	8397197	11.3	0.05	2.9
CO-168	MH-128	4574.80	MH-127	4568.93	21.0	392.25	0.015	946800	2217779	7.99	12527211	7.6	0.03	1.9
CO-169	MH-129	4582.52	MH-128	4574.80	21.0	307.75	0.025	927600	2198991	7.68	16219134	5.7	0.00	0.0
CO-170	MH-130	4584.44	MH-129	4582.52	21.0	391.69	0.005	927600	2198600	7.68	7169633	12.9	0.00	0.0
CO-171	MH-131	4585.13	MH-130	4584.44	21.0	409.57	0.002	927600	2198809	7.68	4203162	22.1	0.00	0.0
CO-172	MH-132	4588.42	MH-131	4585.13	21.0	350.41	0.009	927600	2198751	7.68	9922633	9.3	0.00	0.0
CO-173	MH-133	4590.00	MH-132	4588.42	21.0	305.36	0.005	927600	2198243	8.00	7366147	12.6	0.06	3.7
CO-174	MH-134	4592.48	MH-133	4590.00	21.0	409.12	0.006	927600	2198788	8.19	7972876	11.6	0.10	5.9
CO-175	MH-135	4594.50	MH-134	4592.48	21.0	416.90	0.005	927600	2198724	8.29	7128130	13.0	0.12	7.0
CO-176	MH-136	4601.20	MH-135	4594.50	18.0	397.68	0.017	717600	1393101	6.55	8811721	8.1	0.10	6.6
CO-177	MH-137	4604.59	MH-136	4601.20	18.0	128.45	0.026	717600	1308868	6.10	11028649	6.5	0.01	0.7
CO-178	MH-138	4618.04	MH-137	4604.59	18.0	790.89	0.017	717600	1308865	6.16	8853066	8.1	0.02	1.5
CO-179	MH-139	4619.56	MH-138	4618.04	18.0	368.84	0.004	680400	1251665	5.76	4358066	15.6	0.00	0.0
CO-180	MH-140	4621.09	MH-139	4619.56	18.0	399.21	0.004	680400	1251702	5.81	4202762	16.2	0.01	0.7
CO-181	MH-141	4627.15	MH-140	4621.09	18.0	396.68	0.015	680400	1251818	5.90	8390912	8.1	0.03	1.8
CO-182	MH-142	4633.19	MH-141	4627.15	18.0	401.91	0.015	680400	1251698	5.95	8322276	8.2	0.04	2.4
CO-183	MH-143	4642.47	MH-142	4633.19	18.0	397.86	0.023	667200	1238406	5.79	10368156	6.4	0.03	1.8
CO-184	MH-144	4648.06	MH-143	4642.47	18.0	353.03	0.016	667200	1238122	5.84	8542552	7.8	0.04	2.3
CO-185	MH-145	4655.90	MH-144	4650.02	18.0	374.97	0.016	531600	1103022	4.73	8501230	6.3	0.02	1.6
CO-186	MH-146	4658.22	MH-145	4655.90	18.0	389.12	0.006	528000	1099533	4.84	5241955	10.1	0.05	3.4
CO-187	MH-147	4666.76	MH-146	4658.22	12.0	388.83	0.022	252000	252410	2.66	3412418	7.4	0.04	4.2

4.0 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-188	MH-148	4673.45	MH-147	4666.76	12.0	370.70	0.018	252000	252306	2.74	3093250	8.1	0.06	5.9
CO-189	MH-149	4681.71	MH-148	4673.45	8.0	368.64	0.022	58800	58858	1.03	1169027	5.0	0.02	2.3
CO-190	MH-150	4686.93	MH-149	4681.71	8.0	396.83	0.013	54000	54033	0.99	895718	6.0	0.01	2.2
CO-191	MH-151	4702.56	MH-150	4693.97	8.0	368.89	0.023	4800	5553	0.57	1191748	0.4	0.01	1.0
CO-192	MH-152	4708.42	MH-151	4702.56	8.0	386.54	0.015	4800	5822	0.57	961589	0.5	0.01	1.0
CO-193	MH-153	4754.67	MH-152	4708.42	8.0	349.41	0.132	3600	3902	0.56	2841343	0.1	0.01	1.0
CO-194	MH-154	4707.30	MH-150	4688.52	8.0	304.58	0.062	43200	43224	0.97	1939258	2.2	0.03	4.0
CO-195	MH-155	4737.84	MH-154	4707.30	8.0	276.31	0.111	37200	37200	1.09	2596431	1.4	0.06	9.0
CO-196	MH-156	4748.60	MH-155	4737.84	8.0	206.60	0.052	37200	37254	0.99	1782298	2.1	0.04	5.9
CO-197	MH-157	4762.80	MH-156	4748.60	8.0	407.57	0.035	19200	19297	0.70	1457742	1.3	0.01	1.6
CO-198	MH-158	4767.50	MH-157	4762.80	8.0	397.18	0.012	10800	10823	0.63	849555	1.3	0.01	1.3
CO-199	MH-159	4771.45	MH-158	4767.50	8.0	413.94	0.010	6000	6011	0.66	762898	0.8	0.02	3.3
CO-200	MH-160	4763.37	MH-156	4748.60	8.0	435.08	0.034	8400	8471	0.64	1438944	0.6	0.01	2.2
CO-201	MH-161	4683.60	MH-148	4673.45	10.0	231.70	0.044	187200	187546	2.13	2963708	6.3	0.04	4.4
CO-202	MH-162	4700.51	MH-161	4683.60	10.0	302.23	0.056	183600	183891	2.30	3349421	5.5	0.08	9.0
CO-203	MH-163	4726.61	MH-162	4700.51	10.0	261.54	0.100	178800	179281	2.23	4473203	4.0	0.07	8.3
CO-204	MH-164	4736.60	MH-163	4728.27	8.0	230.56	0.036	12000	12000	0.82	1484469	0.8	0.05	6.8
CO-205	MH-165	4749.00	MH-163	4726.61	10.0	355.11	0.063	163200	163698	1.87	3555570	4.6	0.02	2.6
CO-206	MH-166	4760.70	MH-165	4749.00	10.0	409.94	0.029	154800	155101	1.81	2392189	6.5	0.02	2.6
CO-207	MH-167	4764.20	MH-166	4760.70	8.0	401.73	0.009	66000	66429	1.29	728958	9.1	0.06	8.3
CO-208	MH-168	4769.35	MH-167	4764.20	8.0	405.12	0.013	62400	62806	1.25	880537	7.1	0.05	8.1
CO-209	MH-169	4773.00	MH-168	4769.35	8.0	339.24	0.011	49200	49480	1.34	810078	6.1	0.09	13.8
CO-210	MH-170	4774.50	MH-169	4773.00	8.0	381.45	0.004	30000	30283	1.00	489741	6.1	0.05	8.1
CO-211	MH-171	4776.00	MH-170	4774.50	8.0	373.93	0.004	14400	14542	0.79	494636	2.9	0.04	5.3
CO-212	MH-172	4777.98	MH-171	4776.00	8.0	381.73	0.005	9600	9672	0.71	562464	1.7	0.03	4.0
CO-213	MH-173	4779.50	MH-172	4777.98	8.0	393.93	0.004	4800	4800	0.63	485120	1.0	0.02	2.9
CO-214	MH-174	4777.12	MH-170	4774.50	8.0	325.19	0.008	6000	6177	0.58	700998	0.9	0.01	1.1
CO-215	MH-175	4776.30	MH-168	4769.35	8.0	367.83	0.019	6000	6172	0.58	1073509	0.6	0.01	1.1
CO-216	MH-176	4762.40	MH-166	4760.70	10.0	409.16	0.004	81600	81600	1.27	912726	8.9	0.03	3.3
CO-217	MH-177	4765.19	MH-176	4762.40	10.0	355.02	0.008	75600	75758	1.29	1255278	6.0	0.04	4.9

4.0 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-218	MH-178	4771.07	MH-177	4765.19	8.0	403.03	0.015	72000	72000	1.16	943316	7.6	0.02	3.1
CO-219	MH-179	4772.75	MH-178	4771.07	8.0	351.02	0.005	67200	67200	1.25	540288	12.4	0.05	7.0
CO-220	MH-180	4774.33	MH-179	4772.75	8.0	390.77	0.004	61200	61200	1.23	496595	12.3	0.05	7.7
CO-221	MH-181	4775.81	MH-180	4774.33	8.0	372.34	0.004	55200	55200	1.20	492376	11.2	0.05	8.1
CO-222	MH-182	4777.34	MH-181	4775.81	8.0	385.54	0.004	37200	37226	1.06	491980	7.6	0.05	8.1
CO-223	MH-183	4778.84	MH-182	4777.34	8.0	368.80	0.004	34800	34800	1.12	498066	7.0	0.07	10.5
CO-224	MH-184	4780.45	MH-183	4778.84	8.0	402.55	0.004	20400	20400	0.86	493900	4.1	0.04	6.2
CO-225	MH-185	4781.92	MH-184	4780.45	8.0	369.50	0.004	15600	15602	0.80	492596	3.2	0.04	5.3
CO-226	MH-186	4785.00	MH-185	4781.92	8.0	789.59	0.004	2400	2453	0.55	487766	0.5	0.01	0.9
CO-227	MH-187	4777.22	MH-181	4775.81	8.0	348.79	0.004	8400	8431	0.78	496552	1.7	0.04	6.6
CO-229	MH-188	4783.58	MH-185	4781.92	8.0	432.47	0.004	4800	4805	0.66	483854	1.0	0.02	3.7
CO-230	MH-189	4625.51	MH-138	4618.04	8.0	368.38	0.020	27285	28979	0.85	1112107	2.5	0.03	4.2
CO-231	MH-190	4629.73	MH-189	4625.51	8.0	177.61	0.024	30810	30810	0.80	1203815	2.6	0.01	1.8
CO-232	MH-191	4637.50	MH-190	4629.73	8.0	202.56	0.038	29740	29740	0.79	1529563	1.9	0.01	1.8
CO-233	MH-192	4641.44	MH-191	4637.50	8.0	254.57	0.015	8555	8555	0.75	971583	0.9	0.04	5.5
CO-234	MH-193	4647.16	MH-192	4641.44	8.0	389.41	0.015	0	0	0.00	946527	0.0	0.00	0.0
CO-235	MH-194	4646.68	MH-25	4645.15	8.0	385.43	0.004	20400	20437	0.81	492050	4.1	0.03	4.6
CO-236	MH-195	4648.17	MH-194	4646.68	8.0	373.25	0.004	20400	20400	0.89	493432	4.1	0.05	7.0
CO-238	MH-196	4650.10	MH-195	4648.17	8.0	600.69	0.003	10800	10803	0.81	442681	2.4	0.05	6.8
CO-239	MH-197	4629.88	MH-138	4618.04	8.0	401.90	0.029	16800	16800	0.75	1340466	1.3	0.02	3.7
CO-240	MH-198	4636.58	MH-197	4629.88	8.0	365.42	0.018	13200	13200	0.65	1057496	1.2	0.01	1.4
CO-241	MH-199	4645.00	MH-198	4636.58	8.0	274.44	0.031	0	0	0.00	1367955	0.0	0.00	0.0
CO-242	MH-200	4638.66	MH-198	4636.58	8.0	315.19	0.007	6000	6000	0.72	634432	0.9	0.04	5.3
CO-243	MH-201	4637.90	MH-23	4636.83	8.0	391.88	0.003	4800	4947	0.68	408087	1.2	0.03	4.2
CO-244	MH-202	4641.35	MH-23	4636.83	8.0	297.48	0.015	4800	4883	0.63	962677	0.5	0.02	2.6
CO-245	MH-116	4639.65	MH-203	4641.65	10.0	402.41	-0.005	-117000	210218	-1.41	998259	-11.7	0.00	0.0
CO-246	MH-204	4642.80	MH-203	4641.65	10.0	401.25	0.003	117000	210134	1.74	758064	15.4	0.07	8.1
CO-247	MH-112	4644.60	MH-204	4642.80	10.0	399.20	0.005	117000	210053	2.06	950834	12.3	0.13	15.6
CO-248	MH-205	4596.59	MH-135	4595.50	12.0	404.17	0.003	210000	805552	2.12	1195764	17.6	0.00	0.0
CO-249	MH-206	4597.71	MH-205	4596.59	12.0	393.42	0.003	210000	805483	2.12	1228550	17.1	0.00	0.0

4.0 Peaking Factor
FlexTable: Conduit Table
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Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-250	MH-207	4598.55	MH-206	4597.71	12.0	301.25	0.003	210000	805649	2.12	1215884	17.3	0.00	0.0
CO-251	MH-208	4599.70	MH-207	4598.55	12.0	414.32	0.003	210000	805848	2.19	1213092	17.3	0.01	1.3
CO-252	MH-209	4601.36	MH-208	4599.70	12.0	110.79	0.015	210000	805958	2.12	2818470	7.5	0.00	0.0
CO-253	MH-210	4602.25	MH-209	4601.36	12.0	399.17	0.002	210000	805946	2.12	1087254	19.3	0.00	0.0
CO-254	MH-211	4605.00	MH-210	4602.25	12.0	369.33	0.007	210000	806147	2.12	1986874	10.6	0.00	0.0
CO-255	MH-212	4608.14	MH-211	4605.00	12.0	355.73	0.009	210000	806204	2.12	2163297	9.7	0.00	0.0
CO-256	MH-213	4611.18	MH-212	4608.14	12.0	356.43	0.009	210000	806382	2.35	2126492	9.9	0.05	4.5
CO-257	MH-214	4617.00	MH-213	4611.18	12.0	396.37	0.015	210000	806042	2.39	2790118	7.5	0.05	5.3
CO-258	MH-215	4628.16	MH-214	4617.00	12.0	377.53	0.030	210000	806142	2.39	3958844	5.3	0.05	5.3
CO-259	MH-216	4635.02	MH-215	4628.16	12.0	355.48	0.019	210000	805984	2.41	3198663	6.6	0.06	5.7
CO-260	MH-217	4646.66	MH-216	4638.34	12.0	606.86	0.014	210000	778563	2.12	2696075	7.8	0.00	0.0
CO-261	MH-218	4654.58	MH-217	4646.66	12.0	245.92	0.032	210000	778220	2.12	4132167	5.1	0.00	0.0
CO-262	MH-219	4667.73	MH-218	4654.58	12.0	402.65	0.033	210000	778166	2.15	4161145	5.0	0.01	0.6
CO-263	MH-220	4672.65	MH-219	4667.73	12.0	258.55	0.019	210000	778158	2.29	3176347	6.6	0.03	3.4
CO-264	MH-221	4681.03	MH-220	4672.65	12.0	202.15	0.041	210000	778133	2.20	4688158	4.5	0.01	1.5
CO-265	MH-222	4694.30	MH-221	4681.03	12.0	245.30	0.054	210000	778157	2.21	5355560	3.9	0.02	1.6
CO-266	MH-223	4704.31	MH-222	4694.30	12.0	370.88	0.027	70800	606510	1.16	3782790	1.9	0.02	2.3
CO-267	MH-224	4714.00	MH-223	4704.31	12.0	358.46	0.027	67200	602958	1.11	3785770	1.8	0.02	1.8
CO-268	MH-225	4738.50	MH-224	4714.00	12.0	147.96	0.166	64800	600429	1.08	9369538	0.7	0.02	1.6
CO-269	MH-226	4761.60	MH-225	4738.50	12.0	223.72	0.103	62400	597975	1.06	7398850	0.8	0.02	1.5
CO-270	MH-227	4766.18	MH-226	4761.60	12.0	263.53	0.017	62400	598083	1.16	3035493	2.1	0.04	3.5
CO-271	MH-228	4766.81	MH-227	4766.18	12.0	220.36	0.003	56400	592128	1.01	1231160	4.6	0.01	1.5
CO-272	MH-229	4767.78	MH-228	4766.81	12.0	350.04	0.003	56400	592223	1.12	1212110	4.7	0.04	3.7
CO-273	MH-230	4774.82	MH-229	4767.78	12.0	281.40	0.025	0	53804	0.00	3641986	0.0	0.00	0.0
CO-274	MH-231	4768.73	MH-229	4767.78	12.0	340.67	0.003	108943	442932	1.51	1215935	9.0	0.20	20.0
CO-275	MH-232	4769.31	MH-231	4768.73	12.0	217.58	0.003	166760	441371	1.72	1188839	14.0	0.25	24.6
CO-276	MH-233	4769.90	MH-232	4769.31	12.0	199.95	0.003	193895	436999	1.77	1250769	15.5	0.27	26.8
CO-277	MH-234	4775.70	MH-233	4769.90	12.0	390.95	0.015	193895	393981	2.80	2804583	6.9	0.19	19.4
CO-278	MH-235	4778.23	MH-234	4775.70	12.0	299.20	0.008	193895	393733	2.86	2117360	9.2	0.19	19.1
CO-279	MH-236	4778.68	MH-235	4778.23	12.0	196.07	0.002	193895	393593	1.28	1103112	17.6	0.34	33.8

4.0 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-280	MH-237	4781.30	MH-236	4778.68	12.0	277.49	0.009	193895	396290	2.26	2237375	8.7	0.23	22.6
CO-343	MH-238	4694.58	MH-222	4694.30	8.0	52.09	0.005	136800	169269	2.29	572605	23.9	0.15	21.8
CO-344	MH-239	4711.45	MH-238	4694.58	8.0	298.79	0.056	118800	151509	1.94	1855727	6.4	0.10	15.5
CO-345	MH-240	4729.70	MH-239	4711.45	8.0	251.96	0.072	115200	147853	1.91	2101847	5.5	0.10	15.5
CO-346	MH-241	4737.47	MH-240	4729.70	8.0	279.32	0.028	52800	53027	1.36	1302561	4.1	0.09	13.5
CO-347	MH-242	4738.42	MH-241	4737.47	8.0	229.91	0.004	44400	44511	1.14	502017	8.8	0.06	8.8
CO-348	MH-243	4739.65	MH-242	4738.42	8.0	392.93	0.003	33600	33655	1.31	436953	7.7	0.11	16.5
CO-349	MH-244	4745.93	MH-243	4739.65	8.0	264.11	0.024	28800	28888	1.21	1204262	2.4	0.10	14.6
CO-350	MH-245	4748.40	MH-244	4745.93	8.0	93.09	0.027	25200	25415	0.75	1272151	2.0	0.01	1.8
CO-351	MH-246	4752.72	MH-245	4748.40	8.0	397.84	0.011	14400	14665	0.79	813818	1.8	0.04	5.3
CO-352	MH-247	4753.83	MH-246	4752.72	8.0	96.91	0.011	13458	13545	0.78	835827	1.6	0.04	5.3
CO-353	MH-248	4761.34	MH-247	4753.83	8.0	268.71	0.028	7277	7300	0.77	1305613	0.6	0.04	6.4
CO-354	MH-249	4742.00	MH-241	4737.47	8.0	134.99	0.034	0	0	0.00	1430673	0.0	0.00	0.0
CO-355	MH-250	4751.89	MH-240	4729.70	8.0	322.82	0.069	54552	55249	1.42	2047552	2.7	0.10	14.9
CO-356	MH-251	4758.65	MH-250	4751.89	8.0	259.09	0.026	44243	46946	1.39	1261502	3.5	0.11	16.3
CO-357	MH-252	4761.09	MH-251	4758.65	8.0	93.62	0.026	14400	14400	0.66	1260787	1.1	0.01	1.5
CO-358	MH-253	4767.55	MH-252	4761.09	8.0	335.96	0.019	14400	14488	0.83	1082955	1.3	0.04	6.6
CO-359	MH-254	4770.21	MH-253	4767.55	8.0	275.26	0.010	12000	12065	0.81	767722	1.6	0.04	6.6
CO-360	MH-255	4774.58	MH-254	4770.21	8.0	309.80	0.014	7353	7353	0.70	927556	0.8	0.03	4.4
CO-363	MH-256	4752.13	MH-250	4751.89	8.0	154.78	0.002	0	0	0.00	307525	0.0	0.00	0.0
CO-364	MH-257	4695.98	MH-238	4694.58	8.0	315.34	0.004	8400	8414	0.78	520368	1.6	0.04	6.4
CO-365	MH-258	4700.20	MH-257	4695.98	8.0	426.37	0.010	3600	3695	0.56	776965	0.5	0.01	1.1
CO-366	MH-259	4716.00	MH-239	4711.45	8.0	250.77	0.018	0	0	0.00	1051977	0.0	0.00	0.0
CO-367	MH-260	4746.00	MH-259	4716.00	8.0	367.35	0.082	0	0	0.00	2231810	0.0	0.00	0.0
CO-368	MH-261	4752.64	MH-240	4729.70	8.0	295.58	0.078	31200	31325	1.09	2175688	1.4	0.07	10.5
CO-369	MH-262	4761.31	MH-261	4752.64	8.0	258.35	0.034	26400	26446	1.09	1430692	1.8	0.08	11.4
CO-370	MH-263	4770.00	MH-262	4761.31	8.0	265.59	0.033	24000	24130	1.09	1412660	1.7	0.08	12.1
CO-371	MH-264	4772.84	MH-263	4770.00	8.0	368.73	0.008	20400	20548	0.86	685395	3.0	0.04	6.2
CO-372	MH-265	4775.50	MH-264	4772.84	8.0	354.40	0.008	15600	15688	0.80	676597	2.3	0.04	5.5
CO-377	MH-266	4773.00	MH-227	4766.18	8.0	229.65	0.030	0	0	0.00	1345858	0.0	0.00	0.0

4.0 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-378	MH-267	4776.99	MH-266	4773.00	8.0	203.91	0.020	0	0	0.00	1092456	0.0	0.00	0.0
CO-379	MH-268	4772.87	MH-232	4769.31	12.0	259.44	0.014	0	0	0.00	2697226	0.0	0.00	0.0
CO-396	MH-269	4681.87	MH-29	4668.19	10.0	354.58	0.039	226800	275843	2.31	2781326	8.2	0.01	1.4
CO-397	MH-270	4683.48	MH-269	4681.87	10.0	402.93	0.004	217200	266226	2.47	895076	24.3	0.06	7.0
CO-398	MH-271	4688.36	MH-270	4683.48	10.0	385.42	0.013	200400	249252	2.18	1593342	12.6	0.03	3.2
CO-399	MH-272	4691.88	MH-271	4688.36	10.0	374.59	0.009	194400	243352	2.22	1372639	14.2	0.04	5.3
CO-400	MH-273	4693.40	MH-272	4691.88	10.0	381.10	0.004	156000	188354	2.01	894265	17.4	0.06	7.2
CO-401	MH-274	4700.90	MH-273	4693.40	8.0	351.38	0.021	148800	181183	1.75	1140975	13.0	0.02	2.9
CO-402	MH-275	4744.00	MH-274	4700.90	8.0	359.94	0.120	86400	118833	1.25	2702464	3.2	0.02	2.6
CO-403	MH-276	4753.00	MH-275	4744.00	8.0	350.61	0.026	86400	118798	1.25	1251263	6.9	0.02	2.6
CO-404	MH-277	4755.00	MH-276	4753.00	8.0	126.80	0.016	84000	116300	1.23	980830	8.6	0.02	2.6
CO-405	MH-278	4759.00	MH-277	4755.00	8.0	270.08	0.015	81600	113868	1.49	950428	8.6	0.07	10.8
CO-406	MH-279	4762.15	MH-278	4759.00	8.0	352.59	0.009	74400	106814	1.29	738169	10.1	0.04	6.4
CO-407	MH-280	4765.71	MH-279	4762.15	8.0	396.08	0.009	67200	99577	1.18	740408	9.1	0.03	4.8
CO-408	MH-281	4769.00	MH-280	4765.71	8.0	361.48	0.009	62400	94876	1.14	745068	8.4	0.03	4.8
CO-409	MH-282	4775.66	MH-281	4769.00	8.0	401.13	0.017	12000	12011	0.64	1006306	1.2	0.01	1.4
CO-410	MH-283	4778.40	MH-282	4775.66	8.0	346.59	0.008	9600	9616	0.77	694389	1.4	0.04	5.9
CO-411	MH-284	4780.00	MH-283	4778.40	8.0	404.95	0.004	3600	3600	0.60	490902	0.7	0.01	2.2
CO-412	MH-285	4772.78	MH-281	4769.00	8.0	355.59	0.011	43200	75701	0.91	805204	5.4	0.01	2.2
CO-413	MH-286	4773.87	MH-285	4772.78	8.0	385.97	0.003	37200	69517	0.91	415024	9.0	0.02	3.7
CO-414	MH-287	4774.81	MH-286	4773.87	10.0	340.98	0.003	36000	68504	1.01	743472	4.8	0.05	5.4
CO-415	MH-288	4775.93	MH-287	4774.81	10.0	402.67	0.003	32400	64880	1.08	746791	4.3	0.07	7.9
CO-416	MH-289	4776.98	MH-288	4775.93	10.0	371.53	0.003	27847	48159	0.95	752766	3.7	0.11	13.7
CO-417	MH-290	4778.00	MH-289	4776.98	10.0	355.09	0.003	34583	40862	0.93	758923	4.6	0.13	16.2
CO-418	MH-291	4779.60	MH-290	4778.00	8.0	338.48	0.005	8400	8593	0.80	536947	1.6	0.05	7.0
CO-419	MH-292	4781.00	MH-291	4779.60	8.0	361.87	0.004	4800	4940	0.65	485765	1.0	0.02	3.3
CO-422	MH-293	4713.63	MH-274	4700.90	8.0	231.04	0.055	56400	56461	1.01	1833179	3.1	0.01	2.2
CO-423	MH-294	4730.96	MH-293	4713.63	8.0	202.43	0.086	56400	56661	1.11	2285091	2.5	0.04	5.3
CO-424	MH-295	4742.14	MH-294	4730.96	8.0	325.03	0.034	56400	56550	1.41	1448429	3.9	0.09	14.2
CO-425	MH-296	4750.00	MH-295	4742.14	8.0	395.10	0.020	40800	40967	0.93	1101528	3.7	0.02	3.5

4.0 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-426	MH-297	4757.00	MH-296	4750.00	8.0	364.95	0.019	38400	38521	1.00	1081613	3.6	0.04	6.2
CO-427	MH-298	4763.61	MH-297	4757.00	8.0	418.37	0.016	30000	30121	0.82	981654	3.1	0.02	2.6
CO-428	MH-299	4765.00	MH-298	4763.61	8.0	337.02	0.004	19200	19200	1.01	501549	3.8	0.09	13.8
CO-429	MH-300	4766.56	MH-299	4765.00	8.0	389.03	0.004	4800	4912	0.63	494548	1.0	0.02	2.6
CO-432	MH-301	4764.00	MH-297	4757.00	8.0	398.86	0.018	0	0	0.00	1034613	0.0	0.00	0.0
CO-433	MH-302	4749.15	MH-295	4742.14	8.0	233.13	0.030	7200	7265	0.59	1354235	0.5	0.01	1.2
CO-434	MH-303	4756.00	MH-302	4749.15	8.0	235.80	0.029	0	0	0.00	1331087	0.0	0.00	0.0
CO-435	MH-304	4695.15	MH-272	4691.88	8.0	420.78	0.008	28800	45283	0.88	688471	4.2	0.03	4.6
CO-436	MH-305	4699.00	MH-304	4695.15	8.0	339.24	0.011	22800	39368	0.91	831987	2.7	0.05	7.0
CO-437	MH-306	4702.58	MH-305	4699.00	8.0	483.21	0.007	3600	20073	0.32	672218	0.5	0.06	9.7
CO-438	MH-37	4709.89	MH-306	4702.58	8.0	280.40	0.026	0	16569	0.00	1260968	0.0	0.00	0.0
CO-439	MH-307	4709.00	MH-305	4699.00	8.0	257.71	0.039	8400	8400	0.76	1538414	0.5	0.04	5.7
CO-441	MH-308	4684.40	MH-270	4683.48	8.0	232.59	0.004	0	0	0.00	491177	0.0	0.00	0.0
CO-442	MH-309	4687.89	MH-270	4683.48	8.0	267.77	0.016	7200	7261	0.68	1002256	0.7	0.02	3.7
CO-443	MH-310	4689.17	MH-309	4687.89	8.0	320.76	0.004	0	0	0.00	493349	0.0	0.00	0.0
CO-444	MH-311	4709.00	MH-33	4691.00	8.0	285.95	0.063	0	0	0.00	1959414	0.0	0.00	0.0
CO-445	MH-311	4709.00	MH-305	4699.00	8.0	485.09	0.021	0	0	0.00	1121309	0.0	0.00	0.0
CO-446	MH-312	4697.50	MH-35	4695.40	8.0	352.04	0.006	26400	26536	1.06	603183	4.4	0.07	10.5
CO-447	MH-313	4706.00	MH-312	4697.50	8.0	406.27	0.021	22728	22728	0.80	1129638	2.0	0.02	3.7
CO-448	MH-314	4742.00	MH-313	4708.00	8.0	358.33	0.095	7262	7262	0.60	2405650	0.3	0.01	1.2
CO-449	MH-315	4748.00	MH-314	4742.00	8.0	243.46	0.025	0	0	0.00	1226023	0.0	0.00	0.0
CO-450	MH-316	4750.00	MH-313	4708.00	8.0	474.71	0.088	4800	4800	0.61	2322987	0.2	0.01	2.2
CO-451	MH-317	4650.44	MH-144	4648.46	8.0	322.16	0.006	87600	87600	1.38	612254	14.3	0.04	6.2
CO-452	MH-318	4652.02	MH-317	4650.44	8.0	408.99	0.004	87600	87600	1.46	485413	18.0	0.06	8.6
CO-453	MH-319	4665.60	MH-318	4652.02	8.0	382.61	0.035	50400	50520	1.29	1471326	3.4	0.08	12.1
CO-455	MH-321	4684.80	MH-320	4675.00	8.0	214.04	0.046	43200	43614	1.11	1671088	2.6	0.05	8.1
CO-456	MH-322	4687.71	MH-321	4684.80	8.0	273.68	0.011	7200	7336	0.71	805312	0.9	0.03	4.6
CO-457	MH-323	4692.68	MH-322	4687.71	8.0	285.33	0.017	0	0	0.00	1030720	0.0	0.00	0.0
CO-458	MH-324	4688.82	MH-321	4684.80	8.0	281.92	0.014	18000	18394	0.95	932583	1.9	0.06	9.4
CO-459	MH-325	4689.86	MH-324	4688.82	8.0	255.50	0.004	0	0	0.00	498262	0.0	0.00	0.0

4.0 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-460	MH-326	4671.03	MH-319	4665.60	8.0	98.58	0.055	43200	43398	0.94	1832906	2.4	0.02	3.1
CO-461	MH-320	4675.00	MH-326	4671.03	8.0	112.01	0.035	43200	43421	1.08	1470283	2.9	0.05	7.3
CO-463	MH-327	4676.00	MH-320	4675.00	8.0	77.86	0.013	0	0	0.00	885049	0.0	0.00	0.0
CO-464	MH-328	4653.68	MH-318	4652.02	8.0	397.64	0.004	27600	27600	1.09	504600	5.5	0.07	11.2
CO-465	MH-329	4655.30	MH-328	4653.68	8.0	390.90	0.004	21600	21600	1.00	502763	4.3	0.07	10.1
CO-466	MH-330	4664.00	MH-329	4655.30	8.0	288.69	0.030	10698	10698	0.82	1355762	0.8	0.05	7.3
CO-467	MH-331	4680.63	MH-330	4664.00	8.0	307.35	0.054	10101	10101	0.79	1816638	0.6	0.04	6.4
CO-469	MH-332	4654.30	MH-27	4646.94	8.0	402.75	0.018	6000	6038	0.58	1055745	0.6	0.01	1.1
CO-470	MH-333	4648.00	MH-27	4646.94	8.0	257.57	0.004	0	0	0.00	501010	0.0	0.00	0.0
CO-472	MH-334	4658.80	MH-104	4652.94	8.0	331.62	0.018	24000	24198	1.02	1038168	2.3	0.07	9.9
CO-473	MH-335	4677.02	MH-334	4658.80	8.0	390.25	0.047	15600	16510	0.67	1687495	0.9	0.01	1.5
CO-474	MH-336	4684.70	MH-335	4677.02	8.0	378.88	0.020	6000	6161	0.58	1111909	0.5	0.01	1.1
CO-475	MH-337	4693.00	MH-335	4677.02	8.0	589.42	0.027	2400	2540	0.55	1285921	0.2	0.01	0.9
CO-476	MH-338	4679.54	MH-144	4650.64	8.0	604.48	0.048	32400	32400	0.94	1707641	1.9	0.04	5.7
CO-477	MH-339	4686.73	MH-338	4679.54	8.0	195.24	0.037	32400	32437	0.99	1498702	2.2	0.05	7.0
CO-478	MH-340	4693.50	MH-339	4688.73	8.0	321.20	0.015	7200	7200	0.67	951711	0.8	0.02	3.5
CO-479	MH-341	4701.85	MH-340	4693.50	8.0	293.51	0.028	0	0	0.00	1317251	0.0	0.00	0.0
CO-480	MH-342	4689.83	MH-339	4686.73	8.0	303.79	0.010	8400	8511	0.74	788912	1.1	0.04	5.3
CO-483	MH-343	4674.78	MH-146	4658.22	12.0	406.32	0.041	264000	803702	2.58	4648452	5.7	0.01	0.7
CO-484	MH-344	4693.14	MH-343	4674.78	12.0	386.41	0.048	255600	795219	2.50	5019120	5.1	0.00	0.4
CO-485	MH-345	4709.74	MH-344	4693.14	8.0	386.67	0.043	0	0	0.00	1618153	0.0	0.00	0.0
CO-486	MH-346	4724.02	MH-344	4693.14	12.0	388.89	0.079	249600	789528	2.45	6488448	3.8	0.00	0.4
CO-487	MH-347	4745.99	MH-346	4726.08	12.0	372.86	0.053	247200	786953	2.43	5320805	4.6	0.00	0.4
CO-488	MH-348	4749.39	MH-347	4745.99	12.0	363.35	0.009	238800	778596	2.49	2227374	10.7	0.03	2.9
CO-489	MH-41	4754.10	MH-348	4749.39	12.0	353.32	0.013	234000	774515	2.38	2658527	8.8	0.01	1.3
CO-490	MH-349	4734.50	MH-37	4711.13	8.0	306.60	0.076	7409	7409	0.73	2156168	0.3	0.04	5.3
CO-491	MH-350	4752.00	MH-349	4734.50	8.0	271.65	0.064	0	0	0.00	1982219	0.0	0.00	0.0
CO-492	MH-351	4759.00	MH-39	4753.50	8.0	252.54	0.022	3600	3676	0.64	1152534	0.3	0.02	3.3
CO-493	MH-352	4761.50	MH-351	4759.00	8.0	277.22	0.009	0	0	0.00	741645	0.0	0.00	0.0
CO-494	MH-353	4758.80	MH-41	4754.10	8.0	352.86	0.013	6000	6102	0.58	901326	0.7	0.01	1.1

4.0 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-495	MH-354	4763.00	MH-353	4758.80	8.0	285.76	0.015	0	0	0.00	946814	0.0	0.00	0.0
CO-496	MH-355	4770.50	MH-45	4758.62	8.0	340.13	0.035	0	0	0.00	1459568	0.0	0.00	0.0
CO-497	MH-356	4774.25	MH-355	4770.50	8.0	303.11	0.012	0	0	0.00	868667	0.0	0.00	0.0
CO-498	MH-357	4778.00	MH-356	4774.25	8.0	293.70	0.013	0	0	0.00	882472	0.0	0.00	0.0
CO-499	MH-358	4759.68	MH-46	4757.38	8.0	389.79	0.006	7200	7366	0.74	599913	1.2	0.04	5.5
CO-505	MH-359	4775.45	MH-179	4772.75	8.0	299.22	0.009	0	0	0.00	741861	0.0	0.00	0.0
CO-506	MH-360	4771.62	MH-233	4769.90	8.0	381.08	0.005	34800	34807	1.32	524680	6.6	0.12	17.4
CO-507	MH-361	4773.16	MH-360	4771.62	8.0	387.20	0.004	32400	32488	1.23	492525	6.6	0.10	14.5
CO-508	MH-362	4774.60	MH-361	4773.16	8.0	355.83	0.004	3600	3661	0.64	496820	0.7	0.02	3.3
CO-511	MH-363	4779.65	MH-361	4773.16	8.0	443.88	0.015	13764	13764	0.66	944340	1.5	0.01	1.5
CO-524	MH-364	4793.58	MH-60	4781.97	12.0	198.36	0.059	92836	393480	1.31	5570612	1.7	0.02	1.8
CO-525	MH-365	4794.65	MH-364	4793.58	12.0	214.40	0.005	103938	393661	2.04	1626647	6.4	0.15	14.7
CO-526	MH-366	4796.70	MH-365	4794.65	12.0	410.00	0.005	133600	393403	2.30	1628167	8.2	0.17	17.2
CO-527	MH-367	4798.75	MH-366	4796.70	12.0	410.00	0.005	18000	258410	0.92	1628167	1.1	0.06	5.6
CO-528	MH-368	4800.81	MH-367	4798.75	12.0	410.00	0.005	78664	258567	1.80	1632133	4.8	0.14	13.8
CO-529	MH-369	4803.86	MH-368	4800.81	12.0	412.49	0.007	110753	258691	2.00	1979963	5.6	0.13	12.8
CO-531	MH-371	4807.67	MH-370	4806.01	12.0	306.21	0.005	150958	199129	2.50	1695345	8.9	0.18	17.6
CO-532	MH-372	4810.70	MH-371	4807.67	12.0	378.51	0.008	168163	180274	2.53	2060139	8.2	0.15	14.6
CO-533	MH-373	4813.73	MH-372	4810.70	12.0	378.51	0.008	153555	153555	2.38	2060139	7.5	0.14	13.8
CO-540	MH-374	4655.87	MH-107	4654.27	8.0	402.61	0.004	2400	2431	0.55	492327	0.5	0.01	0.9
CO-541	MH-375	4657.39	MH-374	4655.87	8.0	379.74	0.004	2400	2428	0.55	494104	0.5	0.01	0.9
CO-542	MH-376	4659.03	MH-375	4657.39	8.0	401.84	0.004	1200	1200	0.53	498920	0.2	0.00	0.7
CO-543	MH-377	4662.84	MH-111	4658.01	8.0	307.86	0.016	15600	15641	0.86	978217	1.6	0.05	7.0
CO-544	MH-378	4664.60	MH-377	4662.84	8.0	289.29	0.006	13200	13499	0.90	609157	2.2	0.08	11.6
CO-545	MH-379	4694.65	MH-110	4688.13	8.0	323.17	0.020	3600	3691	0.56	1109287	0.3	0.01	1.0
CO-557	MH-380	4782.11	MH-72	4781.23	8.0	166.83	0.005	8400	8472	0.70	567198	1.5	0.03	4.0
CO-558	MH-381	4782.70	MH-380	4782.11	8.0	147.45	0.004	6000	6041	0.65	494022	1.2	0.02	3.1
CO-559	MH-382	4778.75	MH-75	4777.55	8.0	149.05	0.008	4800	4918	0.72	700746	0.7	0.04	5.5
CO-563	MH-383	4638.66	MH-201	4637.90	8.0	184.24	0.004	0	0	0.00	501593	0.0	0.00	0.0
CO-564	MH-384	4632.52	MH-121	4629.17	8.0	402.78	0.008	7200	7248	0.67	712242	1.0	0.02	3.3

4.0 Peaking Factor
FlexTable: Conduit Table
Current Time: 0.00 hours

Label	Start Node	Invert (Start) (ft)	Stop Node	Invert (Stop) (ft)	Diameter (in)	Length (Scaled) (ft)	Slope (Calculated) (ft/ft)	Flow (gpd)	Flow (Maximum) (gpd)	Velocity (ft/s)	Capacity (Full Flow) (gpd)	Flow / Capacity (Design) (%)	Depth (Middle) (ft)	Depth/Rise (%)
CO-565	MH-385	4609.86	MH-89	4607.92	8.0	434.76	0.004	24923	89114	0.80	521689	4.8	0.13	19.6
CO-566	MH-90	4612.22	MH-385	4609.86	8.0	351.68	0.007	12864	51887	0.88	639766	2.0	0.06	8.3
CO-604	MH-387	4808.53	MH-386	4806.82	8.0	400.00	0.004	0	0	0.00	510629	0.0	0.00	0.0
CO-605	MH-388	4807.90	MH-370	4806.34	8.0	400.00	0.004	0	0	0.00	487719	0.0	0.00	0.0
CO-606	MH-389	4808.75	MH-388	4807.90	8.0	400.00	0.002	0	0	0.00	360012	0.0	0.00	0.0
CO-607	MH-390	4809.55	MH-389	4808.75	8.0	160.26	0.005	0	0	0.00	551787	0.0	0.00	0.0
CO-608	MH-391	4809.91	MH-390	4809.55	8.0	245.84	0.001	0	0	0.00	298855	0.0	0.00	0.0
CO-613	MH-392	4779.50	MH-288	4775.93	8.0	324.88	0.011	10800	10956	0.63	818666	1.3	0.01	1.3
CO-614	MH-393	4780.77	MH-392	4779.50	8.0	313.53	0.004	4800	4846	0.73	497049	1.0	0.04	5.9

Appendix C

Hyrum City Monthly Discharge Monitoring Report 2015

Day	January	February	March	April	May	June	July	August	September	October	November	December
1	0.7364	0.8021	0.7365	0.6655	0.6847	0.9746	0.7509	0.6997	0.7624	0.7298	0.7341	0.7654
2	0.6934	0.7668	0.7462	0.6558	0.7552	0.9836	0.7415	0.7264	0.7061	0.7347	0.7001	0.6365
3	0.7736	0.7899	1.1796	0.7712	0.7235	0.8332	0.7584	0.8276	0.7060	0.7131	0.7456	0.6547
4	0.7566	0.8142	0.7339	0.8834	0.7465	0.8014	0.7402	0.7244	0.7074	0.7702	0.6513	0.6596
5	0.7500	0.7842	0.6848	0.9301	0.7753	0.8430	0.7866	0.6966	0.7528	0.7624	0.6905	0.6416
6	0.6840	0.7742	0.6894	0.8359	0.7539	0.8558	0.7775	0.7033	0.6682	0.7620	0.6228	0.6803
7	0.7374	0.8417	0.7441	0.7523	0.9215	0.8224	0.7504	0.7313	0.7780	0.7779	0.6754	0.7072
8	0.6869	0.7952	0.7099	0.7841	0.9240	0.8111	0.8345	0.7337	0.7476	0.7222	0.6806	0.7471
9	0.6802	0.8063	0.7339	0.7307	0.8700	0.7935	0.8737	0.7407	0.7177	0.7360	0.6634	0.6788
10	0.7606	0.7947	0.7228	0.6485	0.7973	0.7720	0.7808	0.7542	0.7284	0.7193	0.6981	0.6962
11	0.7479	0.7295	0.6879	0.7114	0.7447	0.8774	0.8101	0.6907	0.7086	0.7340	0.6470	0.6692
12	0.7432	0.6997	0.7559	0.6783	0.7088	0.7709	0.7680	0.7493	0.7340	0.7463	0.6316	0.6732
13	0.6878	0.7398	0.6755	0.6811	0.8052	0.8245	0.7602	0.7052	0.7715	0.7173	0.6035	0.7544
14	0.7612	0.7746	0.7332	0.6911	0.7494	0.8171	0.7342	0.7200	0.7164	0.6557	0.6776	0.7343
15	0.6844	0.7534	0.7297	0.7329	0.8067	1.1608	0.7578	0.7465	0.7963	0.7021	0.6735	0.7139
16	0.7402	0.7617	0.8452	0.7018	0.9571	0.7828	0.6918	0.7202	0.8927	0.6824	0.6784	0.7397
17	0.7085	0.7591	0.9545	0.6606	0.9203	1.0358	0.7505	0.7277	0.7993	0.7209	0.6527	0.6889
18	0.7295	0.7367	0.7290	0.7081	0.9091	0.7530	0.7781	0.6779	0.7525	0.7537	0.6317	0.6948
19	0.7800	0.7151	0.6952	0.6924	0.9431	0.7384	0.7379	0.6983	0.7713	0.7468	0.7039	0.7141
20	0.7736	0.7379	0.6870	0.6702	0.8977	0.7273	0.7178	0.7248	0.7987	0.7357	0.6431	0.7816
21	0.7277	0.7854	0.7397	0.6728	0.9195	0.7588	0.7205	0.7079	0.8083	0.6774	0.6330	0.8279
22	0.7353	0.7661	0.7362	0.6606	0.8688	0.7557	0.7131	0.7427	0.7451	0.6707	0.6387	0.9164
23	0.7216	0.7544	0.7497	0.7090	0.9675	0.7403	0.7281	0.7400	0.7210	0.6633	0.6476	0.8818
24	0.7779	0.7564	0.7542	0.7316	0.8942	0.7728	0.6770	0.7213	0.7270	0.7062	0.6764	0.9149
25	0.7398	0.7098	0.7343	0.7858	0.9037	0.7382	0.7236	0.6928	0.7122	0.7047	0.7048	0.8525
26	0.7469	0.6975	0.8142	0.8398	0.9676	0.7616	0.7540	0.7065	0.7452	0.6884	0.7560	0.7828
27	0.7758	0.6774	1.0086	0.7732	0.8555	0.7753	0.7653	0.7035	0.7636	0.6844	0.6208	0.8369
28	0.7272	0.7426	1.0194	0.7275	1.0009	0.7540	0.7153	0.6841	0.7412	0.6703	0.7050	0.8107
29	0.7507		0.9865	0.7472	0.9758	0.7058	0.7118	0.7216	0.7515	0.6935	0.7454	0.8297
30	0.7425		0.9992	0.7029	0.9789	0.7439	0.7198	0.5837	0.6980	0.6414	0.7819	0.7451
31	0.7815		0.8334		0.9406		0.6522	0.7254		0.7045		0.7357
Max	0.781	0.842	1.180	0.930	1.001	1.161	0.874	0.828	0.893	0.778	0.782	0.916
Min	0.680	0.677	0.675	0.649	0.685	0.706	0.652	0.584	0.668	0.641	0.603	0.636
Ave	0.737	0.760	0.784	0.731	0.860	0.816	0.748	0.717	0.748	0.714	0.677	0.747

Values in millions of gallons

Hyrum City Monthly Discharge Monitoring Report 2016

Day	January	February	March	April	May	June	July	August	September	October	November	December
1	0.7621	0.8254	1.0482	1.3344	0.9272	0.8365	0.8548	0.8925	0.8294	0.8894	0.9683	0.8249
2	0.8071	0.8098	0.9902	1.3337	0.9986	0.8712	0.8905	0.8502	0.7828	0.9382	0.8954	0.7771
3	0.7621	0.7768	0.9901	1.3401	0.9972	0.8250	0.9298	0.7891	0.7684	0.8872	0.8704	0.8322
4	0.7873	0.7411	0.9784	1.3257	1.0171	0.8308	0.9490	0.7936	0.7671	0.8888	0.8837	0.8553
5	0.7504	0.7445	1.0242	1.2025	0.8623	0.8539	0.9328	0.8312	0.8240	0.8480	0.8940	0.7827
6	0.7394	0.7902	1.0980	1.1192	0.9867	0.8247	0.7989	0.8374	0.7683	0.8483	0.8558	0.8392
7	0.7437	0.7691	1.0807	1.1018	0.9674	0.8221	0.8625	0.8259	0.7439	0.8311	0.8536	0.8028
8	0.7085	0.7769	1.0764	1.0504	0.9507	0.7980	0.8255	0.8079	0.7349	0.8416	0.8029	0.7569
9	0.7819	0.7264	1.0220	1.1092	0.8927	0.8416	0.8532	0.8056	0.7213	0.8837	0.7934	0.7719
10	0.7077	0.7362	0.9723	1.0968	0.9059	0.8136	0.8753	0.7974	0.7808	0.8643	0.8199	0.9991
11	0.7621	0.7138	1.0082	1.0485	0.8024	0.9265	0.8555	0.7843	0.7956	0.8160	0.7709	0.9734
12	0.7460	0.7299	1.0334	1.0130	0.8437	0.9357	0.8520	0.7688	0.7524	0.8154	0.8285	0.9086
13	0.6732	0.7512	1.0283	0.9795	0.8004	0.9627	0.7967	0.8306	0.7732	0.8269	0.8387	0.9239
14	0.7428	0.7903	1.0453	1.1219	0.8451	0.9901	0.8671	0.8280	0.7875	0.8200	0.8197	0.8828
15	0.7128	0.8637	1.0520	1.0791	0.8428	0.8880	0.8486	0.8450	0.7647	0.8894	0.8177	0.9219
16	0.7186	0.9028	1.0000	1.0842	0.9033	0.8570	0.9136	0.8541	0.7477	1.0086	0.7478	1.4269
17	0.6636	0.9214	1.0767	1.0308	0.8277	0.8746	0.8117	0.7728	0.7637	1.1798	0.7979	1.2732
18	0.7886	1.1917	1.0667	1.0112	0.8493	0.8711	0.8175	0.8237	0.8010	1.1472	0.7843	1.2165
19	0.7624	1.1122	1.1481	0.9443	0.8835	0.8968	0.8870	0.7994	0.7144	1.0173	0.8140	1.1576
20	0.7530	1.1753	1.0869	0.9962	1.0308	0.8960	0.8248	0.7949	0.6983	0.9691	0.8167	1.1251
21	0.7194	1.1361	1.0467	0.9345	1.0116	0.8663	0.8144	0.8419	0.7407	0.9317	0.8435	0.9948
22	0.7495	1.1537	1.2629	0.9301	0.9335	0.8470	0.8220	0.8213	1.0837	0.9110	0.8412	1.0020
23	0.7579	1.0304	1.1854	1.0035	0.9778	0.8628	0.8085	0.8407	1.2019	0.9442	0.8185	0.9921
24	0.8137	1.1913	1.1433	1.1747	0.8772	0.9013	0.8166	0.7319	1.2494	0.9501	0.7990	1.0265
25	0.7540	0.9751	0.9690	1.1747	0.8658	0.8231	0.8051	0.7795	1.1061	0.9543	0.7450	0.9207
26	0.7603	0.9646	0.9713	1.1747	0.8528	0.8681	0.8742	0.7989	1.0375	0.8541	0.7986	0.9219
27	0.7080	1.0240	0.9273	1.1747	0.8363	0.8703	0.8061	0.7856	0.9901	0.8637	0.8772	0.9593
28	0.7348	1.0553	1.1208	1.1747	0.8176	0.8848	0.8375	0.7978	0.9228	0.9169	0.8486	0.9214
29	0.7608	1.0349	1.2248	0.8979	0.8569	0.8958	0.8194	0.7338	0.9532	0.9348	0.8305	0.9146
30	0.8965		1.3110	0.9543	0.9303	0.8717	0.8628	0.7787	0.8987	0.9438	0.8322	0.9158
31	0.8500		1.3156		0.8533		0.9247	0.7636		0.9869		0.9567
Max	0.897	1.192	1.316	1.340	0.930	0.990	0.949	0.892	1.249	1.180	0.968	1.427
Min	0.664	0.714	0.927	0.898	0.853	0.798	0.797	0.732	0.698	0.815	0.745	0.757
Ave	0.754	0.911	1.073	1.097	0.880	0.870	0.853	0.807	0.850	0.916	0.830	0.954

Values in millions of gallons

Hyrum City Monthly Discharge Monitoring Report **2017**

Day	January	February	March	April	May	June	July	August	September	October	November	December
1	0.9317	0.9890	1.7578	1.8718	1.3741	1.0538	1.0198	0.9333				
2	0.9633	0.9754	1.6887	1.8034	1.3048	0.9714	1.0383	0.8894				
3	0.9079	0.9702	1.6810	1.7657	1.2413	1.0255	1.0061	0.8841				
4	0.9043	1.1697	1.7539	1.6656	1.2106	1.0647	1.0098	0.9124				
5	0.8937	1.2300	1.8713	1.5759	1.2092	1.0371	0.9835	0.9220				
6	0.8500	1.4717	1.9265	1.5938	1.2386	1.0536	0.9969	0.9423				
7	0.9869	1.9003	1.9009	1.5865	1.2039	1.0579	0.9870	0.9224				
8	0.9826	1.9804	1.8724	1.8642	1.1845	1.0339	1.0556	0.9603				
9	1.4763	1.9803	1.9060	1.8802	1.2055	1.0010	1.0717	0.8739				
10	1.4217	1.9802	1.9101	1.8456	1.0976	1.0484	1.0762	0.9013				
11	1.8986	1.9804	1.9083	1.7810	1.1158	1.0213	1.0391	0.9236				
12	1.7325	1.9805	1.8499	1.6528	1.1280	1.0132	0.9983	0.9917				
13	1.4278	1.9804	1.8203	1.5734	1.1147	1.1400	0.9978	0.9553				
14	1.4406	1.9492	1.8128	1.5709	1.1240	1.0827	1.0334	0.9735				
15	1.2793	1.9051	1.7787	1.5281	1.0639	1.0068	1.0172	0.9711				
16	1.2535	1.8277	1.6757	1.5072	1.1190	1.0758	1.0241	0.8847				
17	1.1800	1.7239	1.6147	1.6178	1.1777	1.0614	1.0264	0.9084				
18	1.1376	1.8247	1.6421	1.6413	1.1630	1.0166	1.0141	0.9184				
19	1.1424	1.9480	1.6328	1.5716	1.1112	1.0878	0.9696	0.8936				
20	1.0977	1.9801	1.5475	1.4609	1.0783	1.0936	0.9455	0.8912				
21	1.1326	1.9752	1.6117	1.4192	1.1090	1.0550	0.9105	0.9303				
22	1.1134	1.9800	1.5854	1.4541	1.0877	0.9806	0.9121	0.9878				
23	1.1302	1.9631	1.8495	1.4649	1.0674	1.0192	0.9534	0.9087				
24	1.0731	1.9562	1.7951	1.4760	1.0873	1.0357	0.9344	0.9113				
25	1.0040	1.9193	1.8360	1.5448	1.0531	1.0436	0.9598	0.8616				
26	1.0447	1.9189	1.8629	1.4391	1.0482	1.0917	0.9521	0.8824				
27	1.0177	1.8727	1.8912	1.4576	1.0358	1.0484	0.9163	0.9377				
28	1.0612	1.8543	1.9274	1.4284	1.0425	1.0073	0.9368	0.9022				
29	1.0081		1.8251	1.4111	1.0969	1.0176	0.9532	0.9320				
30	1.0568		1.8756	1.4321	1.1070	0.9908	0.9613	0.7175				
31	1.0760		1.9394		1.0556		0.9582	Bad				
Max	1.899	1.980	1.939	1.880	1.374	1.140	1.076	0.992				
Min	0.850	0.970	1.548	1.411	1.036	0.971	0.911	0.717				
Ave	1.149	1.757	1.787	1.596	1.137	1.041	0.989	0.914				

Values in millions of gallons