

Stormwater Master Plan Update

Final Report

Town of Lauderdale-By-The-Sea

December 2020

BAXTER & WOODMAN Consulting Engineers

ENGINEER'S CERTIFICATION

I hereby certify, as a Professional Engineer in the State of Florida, that the information in this Stormwater Master Plan Update – Final Report for the Town of Lauderdale-By-The-Sea (Town) was assembled under my direct responsible charge. The information provided herein was based on the information that was available and obtained from the Town and other sources**.** The certifying Engineer cannot be responsible for added or deleted information once distributed. This report is not intended or represented to be suitable for any reuse without specific verification or adoption by the Engineer. This Certification is provided in accordance with the Florida Board of Professional Engineers' Rule on Certification under Chapter 61G15-29.

_____

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Town of Lauderdale-By-The-Sea
Stormwater Master Plan Update
Final Report

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Section 1 Introduction

1.1 Purpose

The Town of Lauderdale-By-The-Sea (Town) contracted with Baxter & Woodman, Inc. (B&W) to perform professional engineering services to update the Town's Stormwater Master Plan that was originally developed by Chen & Associates, Inc. in 2010. The Stormwater Master Plan Update (Plan) includes a Capital Improvement Plan (CIP) with recommendations and estimated budgetary cost estimates for short term (1 to 10 years) and long term (11 to 20 years) planning horizons.

The Plan re-examines the flooding impacts, the Level of Service (LOS), the operation of the stormwater system and the Town's stormwater ordinances. Updated information regarding land use, topography and basin delineation were incorporated. The Town's stormwater infrastructure including pipes, manholes, inlets and outfalls was updated in a Geographical Information System (GIS) including attributes such as sizes, elevations, etc. The previous stormwater model was updated accordingly and entered in the latest version of the modeling software.

The Plan also includes a new element that was not included in previous master plans. The issue of Sea Level Rise (SLR) has become a measurable reality that has been taken more seriously by most coastal municipalities in South Florida. SLR does not only impact flooding in the future, it is being experienced in the present with more common and severe king tides that are high enough to bring water from the Intracoastal Waterway into the Town's road rights-of-way.

1.2 Background

The Town is located within Broward County, Florida (see ***Figure 1-1***) and is generally bounded by Cypress Creek Drive on the north, the Atlantic Ocean on the east, Flamingo Avenue on the south, and the Intracoastal Waterway on the west. The incorporated area of the Town encompass 1.57 square miles which includes 556.8 acres of land and 445.2 acres of water. The Town is a coastal, resort oriented residential community characterized by a land uses and a balance of year round and seasonal residents and tourists. Like most coastal communities in South Florida, the Town is fully developed with a mix of residential and commercial properties and a population of approximately 6,600 residents.

The Town established a Stormwater Utility Fee in the past for the purpose of maintaining the existing stormwater management system, but the Stormwater Utility Fee has since been eliminated.

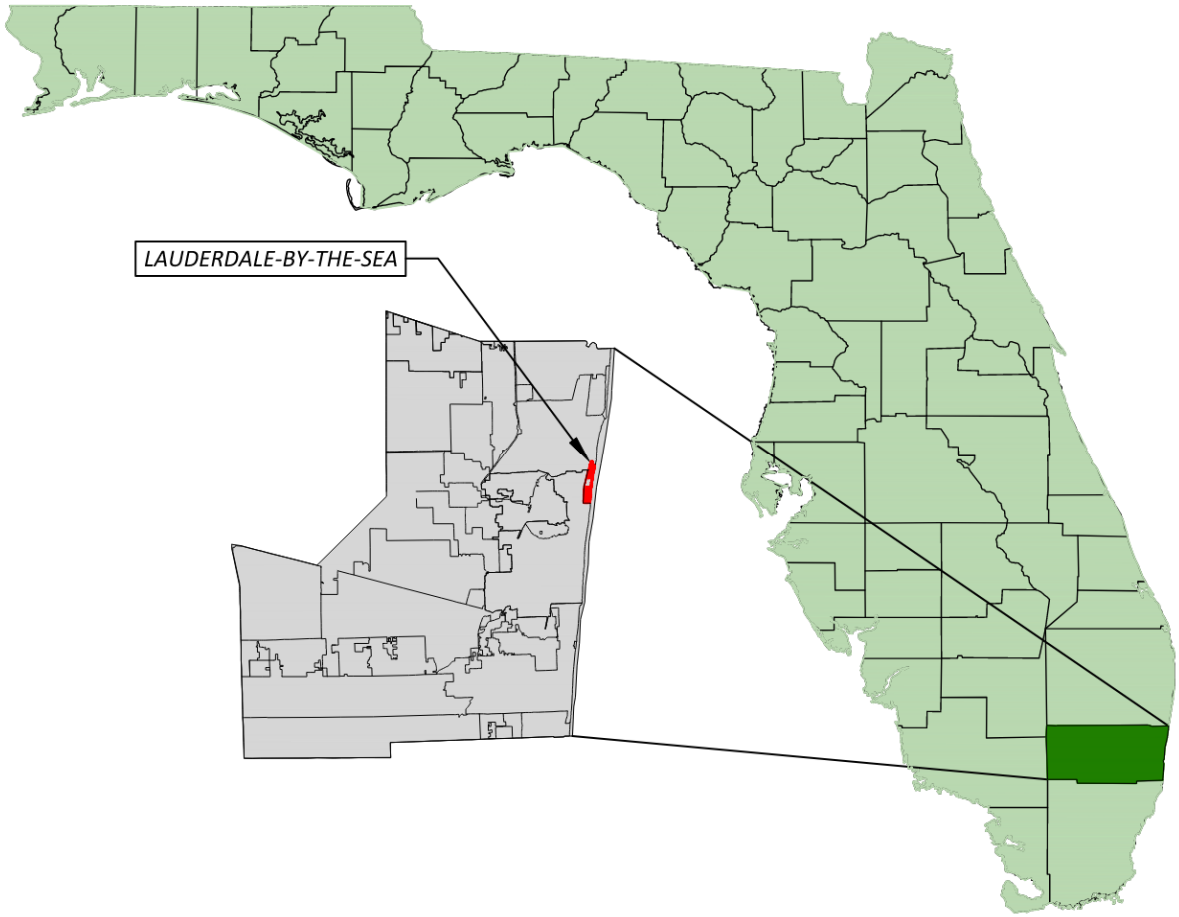


Figure 1-1: Lauderdale-By-The-Sea Location Map

1.3 Stormwater Infrastructure

The Town maintains its own stormwater facilities. Existing drainage facilities within the Town include catch basins connected by pipes of various materials and sizes to either exfiltration trench or positive outfalls into the Intracoastal Waterway and canals. Private drainage systems also discharge into the Intracoastal Waterway and canals. Some grassed swales exist within right-of-way areas for additional stormwater storage.

Table 1.1 shows the quantities of the different types of infrastructure within the Town and the owner/entity responsible for maintenance. These facilities are also shown on ***Figure 1-2***. The Geographic Information System (GIS) stormwater infrastructure datasets received by B&W appeared to have been maintained up until 2013. As part of performing this Plan update, B&W reviewed as-built drawings and permits dating back to 2013 and added 3,616 LF of new pipe, 46 new inlets and 9 new manholes.

The Town's GIS also did not include all of FDOT's infrastructure within the Highway A1A and E. Commercial Boulevard corridors. Although it is not the Town's responsibility to maintain those systems, they are an integral part of the Town's drainage. Therefore, FDOT was contacted and plans were obtained and entered into GIS. This resulted in an additional 8,008 LF of pipe, 46 inlets and 50 manhole, which were reviewed as part of the overall drainage system impacting the Town's surface water management.

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Table 1-1: GIS Stormwater Inventory Summary

	No. of Inlets	
Owner	New	Total
LBTS	46	510
FDOT	46	133
PRIVATE	0	25
	92	668

	No. of Manholes	
Owner	New	Total
LBTS	9	106
FDOT	50	110
PRIVATE	0	0
	59	216

	No. of Pipes		Length (ft)	
Owner	New	Total	New	Total
LBTS	55	476	3616	44546
FDOT	98	209	8008	19582
PRIVATE	0	21	0	1083
	153	706	11624	65211

Section 2 Stormwater Analysis

2.1 Background

The Town has the distinction of being almost entirely surrounded by tidal waters – on the west by the Intracoastal Waterway and the east by the Atlantic Ocean. There are several finger canals that extend eastward into the Town from the Intracoastal Waterway. A coastal ridge exists along the eastern side of the Town which forms a drainage divide. Portions of some properties along with dunes and beach drain to the Ocean. The majority of the Town, however, drains to the west into the Intracoastal Waterway and associated finger canals. Most of this drainage occurs via inlets and pipes during typical daily storm events. Large amounts of flow, however, can occur between buildings and other open spaces via sheetflow during major storm events.

Much of the Town's development occurred prior to regulatory requirements that were established in the mid to late 1970s as a result of the Clean Water Act of 1972. Therefore, many developments lack stormwater detention areas which are used for both flood protection and water quality treatment. Additionally, older developments often include insufficient stormwater conveyance capacity compared to today's standards. Undersized pipes and poor roadway surface grading are common in older communities.

As part of the Clean Water Act of 1972, there have also been rules implemented to address to water quality of canals, rivers, lakes and estuaries. The National Pollutant Discharge Elimination System (NPDES) was established to inventory stormwater outfalls, monitor pollutant concentrations and enforce upstream reduction of illicit discharges regardless of when the upstream development was constructed.

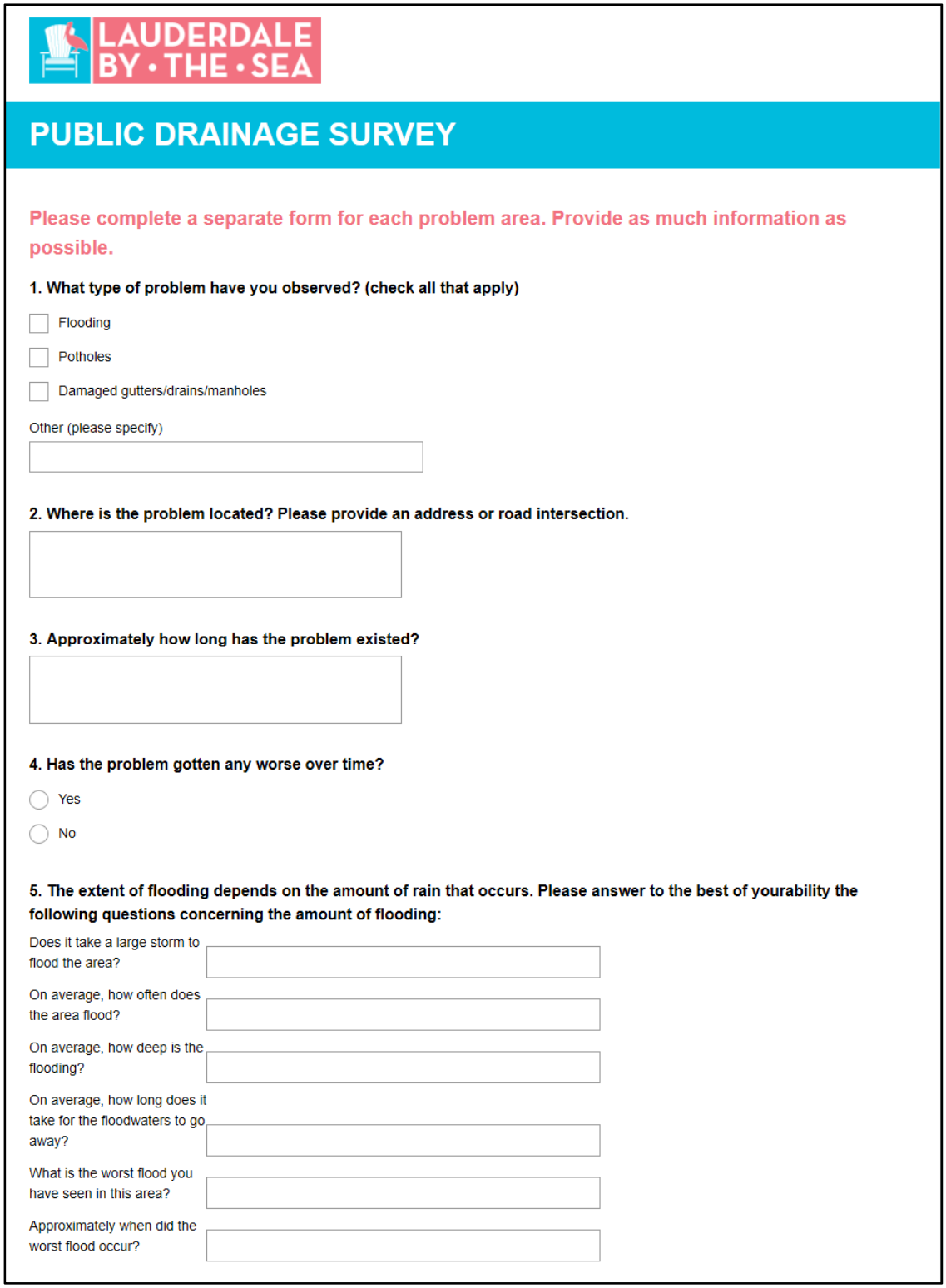
Sea Level Rise (SLR) is also of special concern for the Town because it is virtually surrounded by tidally influenced waters. Some residents have noticed higher king tides than they have seen in the past. Higher levels results mean higher tailwater on the drainage system resulting in lower discharge rates and less flood protection. SLR also results in higher future groundwater levels which reduce the capacity of the soils to absorb and store water. This also will impact the effectiveness of the existing exfiltration systems.

The purpose of this Stormwater Master Plan Update is to address all of the above by assessing the existing system for existing and future conditions. The Plan will develop recommendations for improvements that can be implemented on a phased schedule with the goals of preserving and improving flood protection and water quality.

2.2 Drainage Questionnaires

Resident input is an important aspect of assessing stormwater systems. Despite the advancement of models and the data used in the models, eye witness accounts can help provide confirmation of the model results or can draw attention to events that the models may not be accurately capturing. They can also indicate locations where other problems may be occurring related to the condition of the system. A drainage questionnaire was developed in an attempt

to determine where flooding has been observed and what the residents believe the causes may have been. ***Figure 2-1*** shows a sample questionnaire which was made available online May through July 2020 with a link on the Town's website.



LAUDERDALE BY • THE • SEA

PUBLIC DRAINAGE SURVEY

Please complete a separate form for each problem area. Provide as much information as possible.

1. What type of problem have you observed? (check all that apply)

- ☐ Flooding
- ☐ Potholes
- ☐ Damaged gutters/drains/manholes

Other (please specify)

2. Where is the problem located? Please provide an address or road intersection.

3. Approximately how long has the problem existed?

4. Has the problem gotten any worse over time?

- ○ Yes
- ○ No

5. The extent of flooding depends on the amount of rain that occurs. Please answer to the best of yourability the following questions concerning the amount of flooding:

Does it take a large storm to flood the area?

On average, how often does the area flood?

On average, how deep is the flooding?

On average, how long does it take for the floodwaters to go away?

What is the worst flood you have seen in this area?

Approximately when did the worst flood occur?

Figure 2-1: Sample Drainage Survey Questionnaire

6. Is there any trash left behind when the floodwaters are gone?

- ○ Yes
- ○ No

7. In your opinion, what may be causing the problem? (check all that apply)

- ☐ Water has nowhere to go
- ☐ Pipes are too small
- ☐ Inlets/pipes are clogged or damaged
- ☐ King tides

Other (please specify)

8. Additional Comments:

9. Attach a Photo if Available

Choose File No file chosen

10. Attach a Photo if Available

Choose File No file chosen

11. Attach a Photo if Available

Choose File No file chosen

12. May we contact you if we have any questions? (Contact information will be kept confidential)

- ○ Yes
- ○ No

13. Contact Information:

Neighborhood Association:

Name:

Street Address:

Figure 2-1: Sample Drainage Survey Questionnaire (Continued)

In all, 33 surveys were online and an additional eight were received by email. In some cases there were multiple responses for the same issue. ***Figure 2-2*** shows a consolidation of the responses and a summary of the issues at each location as reported by the respondents. Baxter & Woodmen also consulted Town staff and performed site visits during rain events.

The responses are varied and illustrate the types of flooding problems that can occur. The problem that is the most prevalent in older communities is referred to nuisance ponding and is the result of depressed area in road right of way where water is trapped and has nowhere drain. These depressed areas maybe the result of settling over time, especially if the soils contain organics or muck. The problem is exasperated by the fact that roadway standards for slopes to promote drainage were not as conservative as they are today. Many roads constructed 40 or more years ago were built virtually flat. ***Photos 2-1*** and ***2-2*** illustrate two locations where is problem is evident.

Another common drainage problem is when the rainfall intensity rate in inches per hour exceeds the ability of the roadways drainage system to remove the runoff. Whenever water enters a system faster than it can exit, the water will build up. This is usually caused by a combination of inadequate road slopes and undersized infrastructure which is also common in older communities. But it can also be caused by sediment in the pipes or damaged structures. Sometimes, the rainfall intensity is simply so great that it exceeds the design storm event for which the system was designed. It is believed that this is the case when flooding was observed on Bougainvilla Drive (***Photo 2-3***) which has a relatively new drainage system. Whatever the cause, flooding due to this type of problem is usually resolved soon after the rainfall intensity lessens.

The most severe, though less common, problem occurs when a prolonged rainfall event strikes a wide area creating large volumes of runoff that travel to low lying areas. These low lying areas often include drainage facilities that are not large enough to handle the volume of water that is generated. Flooding in such areas can sometimes last for days and can pose risks to homes and cars. An example of this can be seen in Terra Mar (***Photo 2-5***).

The residents were asked their opinions of what may be causing the flooding. The responses ranged from inadequate pipe sizes to possible clogging. In many cases, residents believed that king tides contributed to the problems. The most common observation was that water had nowhere to go. As mentioned above, this type of problem, nuisance ponding, is very common in older communities when roads were not designed to meet today's design standards.

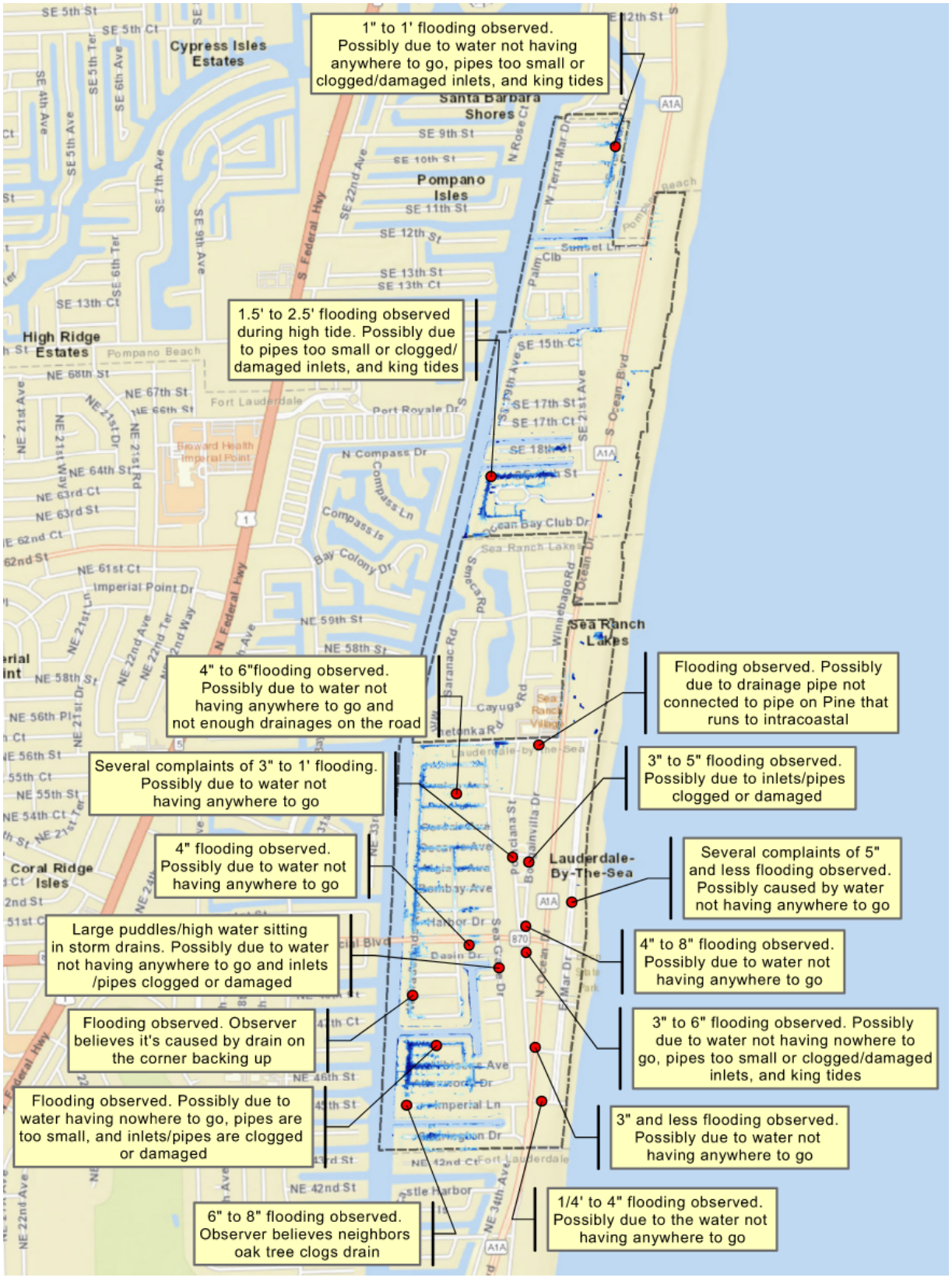


Figure 2-2: Flooding Issues Received from Drainage Survey



Photo 2-1: Ponding on Poinciana Street



Photo 2-2: Trapped water on Lombardy Ave. between W Tradewinds Ave. and Seagrape Dr.



Photo 2-3: High intensity rain event on Bougainvilla Dr. between Washingtonia Ave. & Pine Ave.



Photo 2-4: Flooding at west end of Coral Reef Dr.



Photo 2-5: Flooding on E. Terra Mar Dr.

2.3 Regulatory Requirements

2.3.1 Environmental Resource Permitting

The South Florida Water Management District (SFWMD) is the agency with jurisdiction with regard to regulation and enforcement of construction related activities that effect Waters of the State. The Intracoastal Waterway is considered Waters of the State. SFWMD has delegated permit review for Environmental Resource Permits (ERPs) to Broward County which also issues a County Surface Water License. The requirement for an ERP and County License are very similar. They impose a pre- versus post-requirement for peak discharge rates and stages associated with a 25-year, 3-day storm event and also require water quality treatment of a determined volume of runoff based on the amount of proposed impervious area. Pre- versus post- simply means that the proposed parameters (discharges rates and flood stages) cannot exceed the existing parameter values. Since no new impervious area will be proposed in the Master Plan recommendations, no new water quality treatment will be required. The pre- versus post- rule for discharge rates and flood stages will be the primary criterion to be followed.

SFWMD and Broward County will encourage the incorporation of water quality Best Management Practices (BMPs), which coincides with the Town's goal for the improvement of the water resources that are integral with Town. Additionally, water quality improvements are addressed in this Master Plan.

Broward County also requires, since 2016, that major redevelopment projects use a future groundwater elevation based on SLR projections. This would affect control elevations and soil storage assumptions. For Broward County and SFWMD regulations, SLR projections would not apply to projects that are anticipated in this Master Plan since they would not be considered "major redevelopment." This Master Plan, however, considers SLR regardless because recommended improvement will have a life service span of several decades and should consider future conditions.

The United States Army Corps of Engineers (USACE) will also be a regulatory entity for environmental permitting in regard to activities on, in or over Waters of the State. A 'Nationwide' permit would be required for modified or new outfall pipes into the Intracoastal Waterway. USACE would be reviewing such projects for environmental impacts to sea grass and marine life in the Waterway. It will need to be demonstrated that erosive velocities will not occur and that water quality will not be degraded. It should be noted that gaining USACE approval can be timely process taking an average of six months. Some USACE permitting has been recently relegated to the Florida Department of Environmental Protection (FDEP) which may facilitate the process.

2.3.2 Federal Emergency Management Agency Flood Hazard

Finished floor elevations of new buildings within the Town must be set at or above Federal Emergency Management Agency's (FEMA) Flood Hazard stages which are depicted on ***Figure 2-3*** and based on a 100-year storm event and storm surge predictions in the Atlantic Ocean and the Intracoastal Waterway. Additionally, landowners are required by FEMA to purchase flood insurance depending on which flood zone they are located within.

The current FEMA floodplain zones became effective in August of 2014. FEMA issued new preliminary flood zones in December of 2019 which show increases in flood stages. The Town's Engineer serves as the Town's Floodplain Manager and is enforcing the 2019 FEMA flood zones because they represent the best information available and will likely be adopted in the near future. In regard to the Town, the changes to the flood zones are more reflective of the storm surge predictions than of the 100-year storm event.

The higher flood elevations as predicted by FEMA, will result in more landowners being required to purchase flood insurance. The areas in green (Zone X) on ***Figure 2-3*** are currently not required to purchase flood insurance. Unfortunately, a GIS dataset was not available to download in order to show the differences in floodplain elevations between the current and proposed flood insurance maps. However, landowners can use Broward County's interactive map to check how their individual properties are affected by going to: https://www.broward.org/Environment/FloodZoneMaps/Pages/ProposedNewFloodMaps.aspx

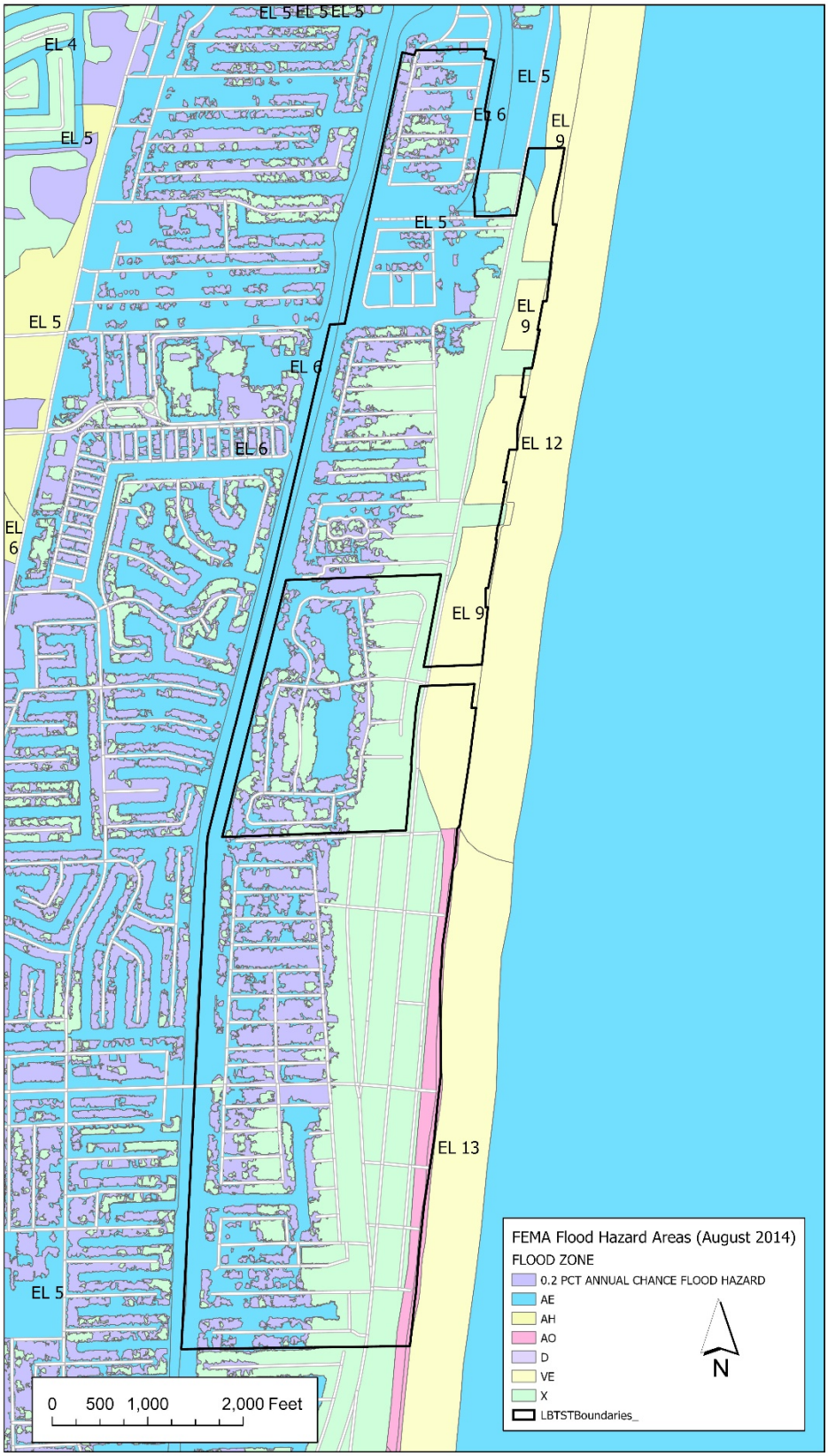


Figure 2-3: Current FEMA Flood Hazard Areas

2.3.3 National Pollutant Discharge Elimination System (NPDES) Program

The Environmental Protection Agency (EPA) was mandated by the United States Congress through Section 405 of the Water Quality Act of 1987 to manage the National Pollutant Discharge Elimination System (NPDES) Program for stormwater discharges from Municipal Separate Storm Systems (MS4s). In the State of Florida, EPA has delegated the NPDES Permit Program regulation to the Florida Department of Environmental Protection (FDEP).

The Town is one of the twenty-nine entities authorized for stormwater discharge under the comprehensive Broward County NPDES MS4 permit (Permit Number FLS000016-003). This permit is currently in its fourth cycle with each cycle consisting of approximately 5 years. The Town is authorized to discharge to Waters of the State per the approved stormwater management programs, effluent limitations, monitoring requirements, and other provisions as set forth in this permit. This permit is administered by FDEP and requires the Town to perform record keeping on the maintenance and operation of the existing stormwater management system through annual NPDES Reporting.

The NPDES Program requires that the Town implement a Stormwater Management Plan designed to reduce the discharge of pollutants into water bodies. The following outlines the specific enforceable sections of the Broward County NPDES MS4 permit (Permit Number FLS000016-003) that co-permittees are required to report on annually and the associated required inspection and maintenance activities:

Structural Controls and Stormwater Collection System Operation*:*
Permittees must provide an inventory of all structural controls, stormwater collection and conveyance systems, and outfalls. Additionally, all permittees must have Standard Operating Procedures (SOPs) for Structural Control Inspections. ***Table 2-1*** outlines the specific structural controls, stormwater collection and conveyance systems, and outfalls that the Town currently owns and maintains. The Town is required to report inspection and maintenance activity at the frequencies shown to comply with the NPDES Permit Conditions.

Table 2-1: NPDES Inspections & Maintenance Requirements

Type of Structure	Required Inspection Frequency	Possible Inspection Activities	Maintenance Frequency
Exfiltration Trench	New = Annually the first 2 years of operation; Existing (Good Condition) = Once every 3 years; Existing (Poor Condition) = Annually until chronic problems are corrected	i.e. Inspection for sediment, oil, and grit accumulation; Inspection for storage volume recovery	As needed based on inspection to assure proper operation
Grass Treatment Swales (Dry)	New = Annually the first 2 years of operation; Existing (Good Condition) = Once every 3 years; Existing (Poor Condition) = Annually until chronic problems are corrected	i.e. Inspect for storage volume recovery within 72 hrs; Inspect for debris, litter or sediment accumulation; Inspect for obstructions (parking, filling excavation, etc.)	As needed based on inspection to assure proper operation
Pollution Control Boxes; Weirs	Quarterly – unless historic clean out operation records demonstrated that a more or less frequent schedule is appropriate	i.e. Inspect sediment, vegetation and debris accumulation; Inspect absorbent materials to determine if replacement is needed	As needed based on inspection to assure proper operation
Pump Stations	Semi-annually or more frequently as needed	i.e. Inspect for proper pump operation; Inspect inlets and bar screens for debris	As needed based on inspection to assure proper operation
Pipes / Culverts	Inspect a minimum of 10% of the total number of structures each year. All of the structures shall be inspected at least once over two consecutive permit cycles (every 10 years).	i.e. Visual inspections for structural deficiencies and/or sediment or litter accumulation; Televising; Lamping	As needed based on inspection to assure proper operation
Inlets, Catch Basins, Ditches, Conveyance Swales, & Other Stormwater Conveyances	Inspect a minimum of 10% of the total number of structures each year. All of the structures shall be inspected at least once over two consecutive permit cycles (every 10 years).	i.e. Inspect for sediment and litter accumulation; Inspect for erosion	As needed based on inspection to assure proper operation

***Areas of New Development and Significant Redevelopment**:*
Permittees are required to adhere to a comprehensive master plan to reduce the discharge of pollutants. As part of this planning effort, permittees must maintain documentation of new development or significant redevelopment.

Roadways:
Permittees must maintain all public roads, rights-of-way, and maintenance yards / shops to reduce the discharge of pollutants into the MS4. Each permittee is required to have a Litter Control Program SOP that governs trash collection and maintenance of the public rights-of-way. This SOP may include a street sweeping program, which is encouraged as a Best Management Practice (BMP) for municipalities that own curb and gutter.

Flood Control Projects:
Permittees are required to review, evaluate, and track proposed flood control projects within the MS4. All proposed flood control projects must include stormwater treatment.

Municipal Waste Treatment, Storage and Disposal Facilities:
Permittees must monitor known facilities that handle municipal waste that are not covered by another NPDES stormwater permit. The monitoring program should be implemented and evaluated regularly for effectiveness in reducing pollutants in stormwater discharges from these facilities.

Pesticides, Herbicides, and Fertilizer Application:
Permittees are advised to adopt an Ordinance or SOP related to pesticide, herbicide and fertilizer application practices. Florida Department of Agriculture & Consumer Sciences (FDACS) licenses along with Green Industry BMP Training is required for applicators of pesticides, herbicides and fertilizers. Additionally, permittees must implement a public education / outreach program to encourage citizens to reduce their use of pesticides, herbicides and fertilizers. This public program may be in conjunction with other local permittees.

Illicit Discharges and Improper Disposal:
Permittees are required to be proactive and adopt the necessary SOP's and Ordinances to detect and eliminate illicit discharges and improper disposal into the MS4. All appropriate personnel must have the required annual training to identify and report potential illicit discharges, illegal connections and dumping into the MS4. The following are the only non-stormwater discharges that are allowed into the MS4:

- Water line flushing
- Landscaping irrigation
- Diverted stream flows
- Uncontaminated ground water infiltration to separate storm sewers
- Uncontaminated pumped ground water
- Discharges from potable water sources
- Foundation drains
- Air conditioning condensate

- Irrigation water
- Springs
- Water from crawl space pumps
- Footing drains
- Lawn watering
- Individual residential car washing
- Flows from riparian habitats and wetlands
- Dechlorinated swimming pool discharges
- Street wash waters
- Discharges or flows from emergency firefighting activities
- Reclaimed water line flushing authorized pursuant to a permit issuance under Rule 62-610 F.A.C.
- Flows from uncontaminated roof drains

All permittees are required to have a spill response and prevention SOP in place in case of hazardous and non-hazardous material spills. All appropriate personnel must have the necessary spill response training. Additionally, permittees must implement a public education / outreach program to encourage citizens to identify and report suspected illicit discharges and how to properly dispose of oils, toxics and house hazardous waste. This public program may be in conjunction with other local permittees.

Permittees are required to monitor and implement activities to reduce/eliminate sanitary sewer overflows (SSO) and infiltration & inflow (I&I) into the MS4.

Industrial & High-Risk Runoff:
Permittees must maintain an inventory of high-risk facilities within the MS4 and perform recorded inspections of these facilities. High-risk facilities include operating municipal landfills; hazardous waste treatment, storage, disposal and recovery (HWTSDR) facilities; EPCRA Title III, Section 313 facilities (TRI); and facilities deemed as high-risk by the permittee.

Construction Site Runoff:
Permittees are required to create and implement a SOP for construction site inspections of both private and public construction sites. This SOP outlines the required use and maintenance of appropriate stormwater best management practices to reduce pollutants discharge to the MS4 during construction. All construction sites that meet ERP and Construction General Permit (CGP) requirements must be logged, inspected and confirmed coverage for both requirements. Pre-, during and Post-inspections are required for all active construction sites that meet ERP and CGP requirements. Permittees are required to have the necessary codes and ordinances in place to enforce action if best management practices are not being adhered to at active construction sites. All permittee construction site inspectors, plan reviewers, and site operators are required to have the necessary FDEP Stormwater Inspector training and annual training.

TMDL Status Report:

As defined by FDEP, "a Total Maximum Daily Load (TMDL) is a scientific determination of the maximum amount of a given pollutant that a surface water can absorb and still meet the water quality standards that protect human health and aquatic life." Surface water bodies that exceed FDEP-specified TMDL's are classified as impaired. Permittees that discharge to an impaired waterbody with a known total maximum daily load (TMDL) must include a prioritized TMDL list along with the monitoring and implementation schedule. In the subsequent reporting years, monitoring data summaries including estimated load reductions along with proposed revisions to the Stormwater Management Plan (SWMP) are required to address the TMDL.

Specific Year Reporting Requirements:
Year 1 Only = Permittee must submit an updated inventory and map of all known major outfalls with the Annual Report.
Year 2 Only = Permittee must provide a summary review and evaluation of current codes and regulations to reduce stormwater from development with the Annual Report.
Year 2 Only = Permittee must include a copy of the adopted Florida-friendly fertilizer ordinance if required with the Annual Report.
Year 3 Only = Permittee must provide estimates of pollutant loading and event mean concentrations for each major outfall or watershed with the Annual Report.
Year 4 Only = Permittee must submit a follow-up report to the Year 2 code and regulation review. Additionally, if total annual pollutant loadings have not decreased over the past 2 permit cycles then revisions to the SWMP are required to be submitted with the Annual Report.

Cycle 4 – New Requirements:
As part of the Cycle 4 NPDES Permit, each permittee is required to submit an assessment program for review and approval by FDEP during Year 1. The Assessment Program is intended to assist each individual permittee in evaluating the effectiveness of its stormwater management program in reducing stormwater pollutant loadings. FDEP has reviewed all Assessment Programs during Year 1 and permittees are responsible for implementing their respective programs once approved. In the Cycle 4, Year 4 Permit, each MS4 permittee must evaluate their Assessment Program and recommend any needed revisions.
The Assessment Program can be broken down in the following three (3) implementation plans:

- Water Quality Monitoring Plan
- Pollutant Loading Estimate Plan
- Evaluation / Action Plan

NPDES Cycle 4 Permit Program:
The Town entered into an interlocal agreement with Broward County on July 18, 2017, which defines the Town as a "co-permittee" and Broward County as the "lead-permittee" of NPDES Permit Cycle 4 (Permit #FLS000016-004). Through the interlocal agreement, Broward County is responsible for managing and performing certain technical tasks necessary to determine compliance with the applicable portions of Parts III and V of the NPDES MS4 permit for all co-permittees. The Town is currently in the third year of the Cycle 4 permit. As outlined in the aforementioned permit requirements section, the Town

completes an annual report utilizing both in-house and information provided by Broward County.

2.4 Stormwater Model Development

A flood routing model was developed by Chen & Associates for the previous Master Plan to simulate the existing drainage systems using Inter-Connected Pond Routing (ICPR) version 3 software. This model was used and updated to ICPR version 4. Most of the model data was replaced using more current GIS datasets and algorithms specifically designed to work with ICPR4.

This model can simulate various storm events to verify the benefits of potential improvements while verifying the permitability of proposed systems. Specifically, flood stages and peak discharge rates cannot be increased. These criteria are evaluated for a 25-year, 3-day storm event. A 3-year, 1-day storm is used to evaluate the minimum LOS relative to street flooding.

2.4.1 Hydrology

Many of the sub-basins correspond to the estimated contributing area of an existing outfall to the Intracoastal Waterway. Some sub-basins, however, are located further east and discharge through another sub-basin before discharging to the Waterway. The subbasin dataset from the previous master plan was reviewed and modified based on the topography and drainage infrastructure.

GIS datasets of the stormwater infrastructure were provided by the Town and updated by Baxter & Woodman to include new pipes, manholes and inlets constructed since 2013, which is when the datasets were last updated. Permit information was obtained from the SFWMD and Broward County. Permitted areas are a good indication of where sub-basin divides exist. Most permitted areas handle their own drainage and are required to have perimeter elevation up to the 25-year, 3-day storm peak stage. Topography also provides a crucial backdrop for sub-basin delineation. Light Detection and Ranging (LiDAR) data available from the Florida Division of Emergency Management (FDEM) was obtained. The information is in the form of rasters with elevations provided in every 5-foot by 5-foot cell. This dataset, however, is over 10 years old.

Figure 2-4 shows the results of the sub-basin delineation along with the drainage infrastructure and existing LiDAR Topography.

There is a variety of soil types located within the Town, as shown in ***Figure 2-5***, ranging from Arents, which is defined as somewhat poorly drained, to Palm Beach which is defined as well drained because of its water absorption capabilities. The well drained soils are located at higher elevations coinciding with a coastal ridge that passes through the Town. A significant amount of area is designated with an Urban Land which indicates that the land was developed before the soil survey were performed by the government. Assumptions were made based on adjacent soil types and on ground elevations, which is a strong indication of how well the soils drain.

Soils are important for hydrology because they indicate the potential stormwater absorption capacity. Stormwater that is in excess of that capacity will become runoff and will enter the drainage infrastructure or sheet-flow to low lying areas. A Curve Number (CN) is developed to be used in the model to represent the soils ability to store water. The depth to the wet season water table also affects the volume of potential soil storage. The water table elevation ranges from 1.0 feet, NAVD to 2.0 feet, NAVD based on Broward County water table maps and existing permits within the City. ***Table 2-2*** shows the curve numbers SFWMD recommends for various types of soils per the depth to the water table for compacted soils.

Table 2-2: SFWMD Recommended Curve Numbers

Depth to W.T.	Well Drained	Somewhat Drained	Poorly Drained
1'	96	96	96
2'	84	84	86
3'	67	71	75
4'	55	60	66

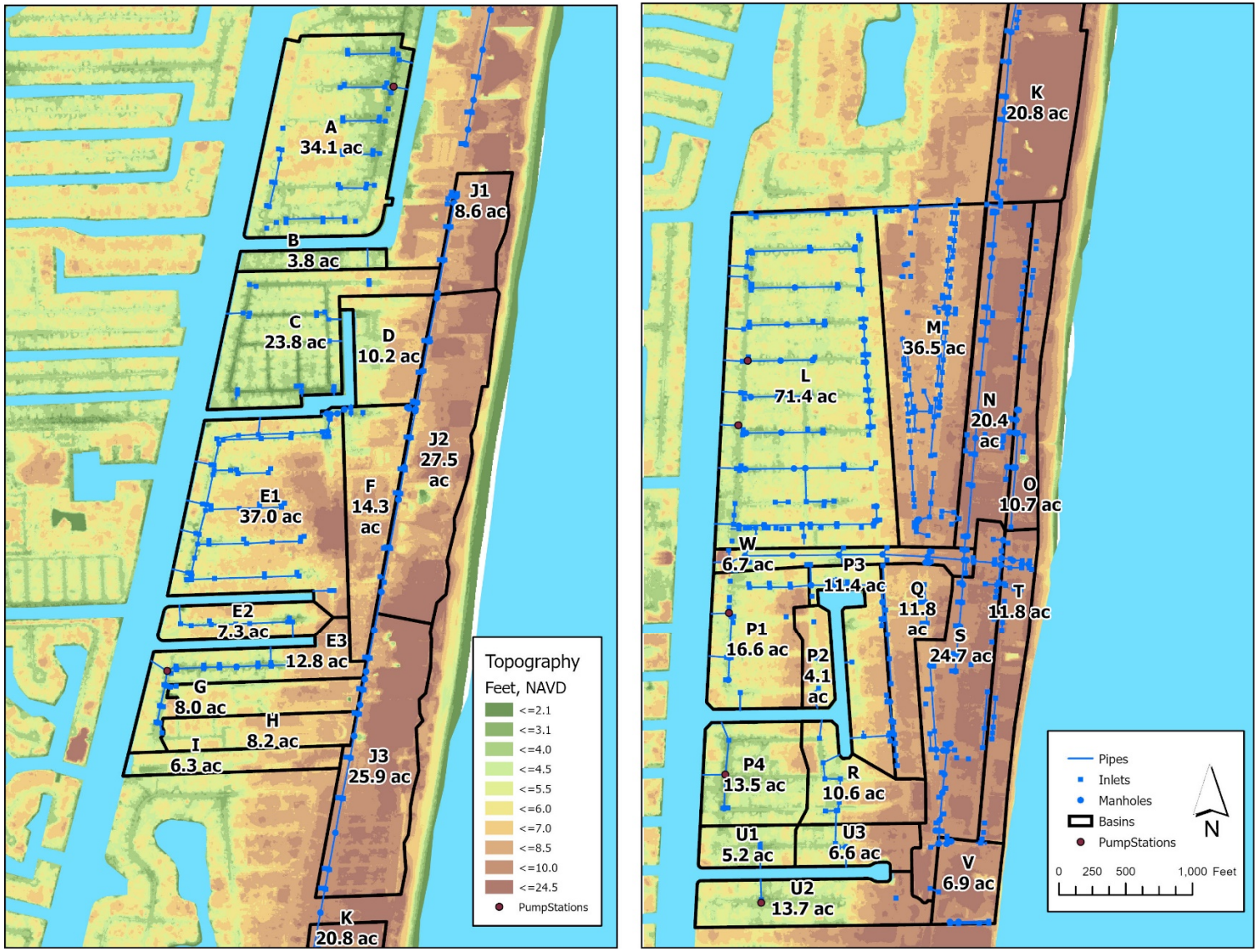


Figure 2-4: Sub-basin Delineation and Topography (North and South Sections of Town of Lauderdale-By-The-Sea)



Figure 2-5: Natural Resource Conservation Service (NRCS) Soils of Town of Lauderdale-By-The-Sea

To develop curve numbers, a GIS dataset was created for the depth to the water table by subtracting the groundwater elevation from the LiDAR topography. The depths were then spatially intersected with the soil hydrologic classifications and curve numbers were assigned to the intersected polygons based on the values in ***Table 2-2***.

These values were used throughout the Town and are adjusted in the ICPR model by impervious percentage values that were applied based on land use. ***Table 2-3*** shows the percentages of impervious area that were assumed for each land use. Land use within the City is a mix of single-family residential, commercial, and institutional. A land use map was provided by the Town. This map was reviewed and updated and converted to the Florida Land Cover and Classification System (FLUCCS) to match established land use characteristic. ***Figure 2-6*** shows the existing land uses within the Town.

Table 2-3: Land Use Assumptions

Land Use	Impervious	Manning's Equation Roughness Coefficient
Channelized Waterways, Canals	100%	0.01
Commercial and Services	90%	0.05
Fixed Single Family Units	40%	0.15
Institutional	70%	0.02
Multiple Dwelling Units	70%	0.05

Time of Concentration (Tc) values were also calculated for each sub-basin based on travel distances, slopes and types of surfaces. Tc is the time is takes for runoff to travel from the far end of the sub-basin to the outfall and includes two components – sheet flow and concentrated flow. Sheet flow is assumed to occur within the first 300 feet of rainfall contacting a surface and is determined using Manning's kinematic formula which applies roughness coefficients depending on the surface. The assumed Manning's roughness coefficients for each land use are shown in ***Table 2-3***. The concentrated flow calculation uses formulas derived in the United States Department of Agriculture Urban Hydrology for Small Watersheds TR-55 document for determining velocity which can be converted to time based on the length of travel. The travel time for each intersected segment was calculated depending on whether the flow was sheet flow or concentrated flow and summed per sub-basin.

GIS tools were used to create datasets needed for each sub-basin that provide the acreages of each land use and soil combination with the sub-basin. The model intersects the sub-basins, land uses and soils to create polygons of unique combinations which can be summarized. Since the soils dataset was modified to account for the depths to the water table, those depths are also factored in the unique combinations.

The Tc values and the land use/soil combination tables for the 30 basins can be found in the model input data in ***Appendix C***.

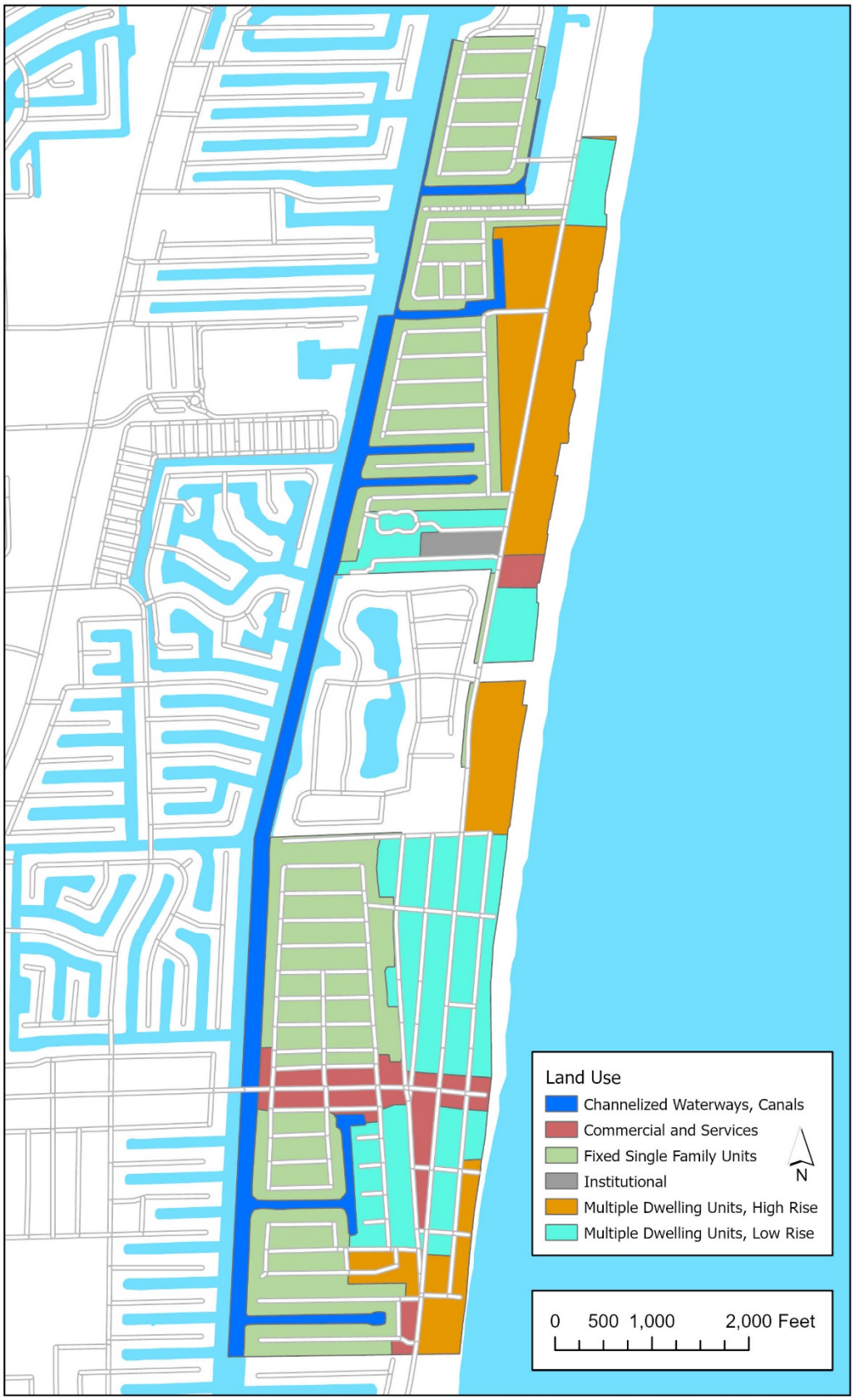


Figure 2-6: Town of Lauderdale-By-The-Sea Existing Land Use

2.4.2 Hydraulics

The primary drainage features used to convey stormwater during a smaller storm event is an existing network of drainage culverts that collect runoff via inlets and transport the water to the Intracoastal Waterway. The systems are located within road rights-of-way throughout the Town with various pipe sizes that generally increase in size as the systems get closer to the outfalls. To simulate each system, an equivalent pipe size was calculated that matched the hydraulic characteristics of the multiple sized pipes that exist in series. This was not necessary in all locations. Some sub-basins simply include only one pipe that was put directly into the model.

Unfortunately, the GIS data for the stormwater pipes did not include invert elevations for many of the pipes and several pipe sizes were missing. Upstream and downstream pipe sizes were used to interpolate the missing sizes. For modeling purposes, invert elevations were assumed based on engineering judgement. For example, a cover of at least two (2) feet was maintained over the crown of the pipes at the upstream end of the systems and a minimum slope of 0.2% was used for downstream elevations. Since most of these systems become fully submerged during storm events, a full flow condition would occur regardless of the elevations, provided that they are set within the appropriate range.

In addition to these inlets and pipes, larger storm events also rely on overland flow at the boundaries of the sub-basins. Overland flow occurs when the drainage infrastructure becomes overwhelmed by the amount of runoff. To simulate this in the model, several broad crested weirs were placed at sub-basin divides. The locations were carefully chosen to correspond to areas where the least amount of flow would occur due to site grading above ground impediments such as buildings. The "irregular" geometry for each weir were determined by producing and reviewing profiles of the LiDAR information along those locations. The profile data (station and stage) were then recompiled to only include the lower elevations where flow would occur.

Downstream boundary condition nodes were created to represent tidal conditions in the river. The closest monitoring station of tidal water levels is at SFWMD's S-37A Structure. A review of water level data recorded downstream of the Structure determined that the average daily high water elevation is currently 1.25 feet, NAVD. S-37A is a salinity control structure with tidal waters on the downstream side that are openly connected to the Intracoastal Waterway. ***Figure 2-7*** shows the maximum daily stages measured since 1985 to present day. Considering the proximity of the level reading device to the SFWMD structure, some of the spikes in the data may be due to releases of flow which may not have been experienced further downstream. There is also the distance between the structure and the Intracoastal Waterway to consider and the head losses that may occur. Considering these factors, an average high tide elevation of 1.0 feet, NAVD88 was used. For the model boundary condition, elevations ranging from 1.0 to (-) 1.0 feet, NAVD88 were used with 12-hour separations to simulate tidal conditions. The timing of the high tide was correlated with the theoretical peak of the storm events that were modeled to consider a worst case situation.

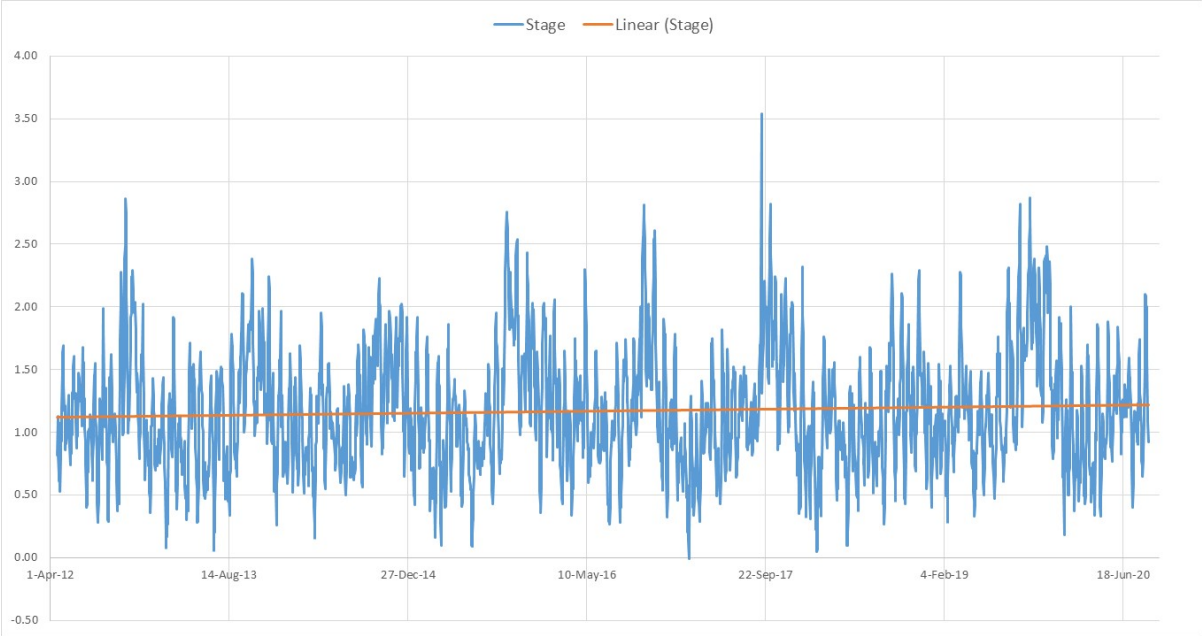


Figure 2-7: Daily Maximum Stages Downstream of Structure S-37A

Stage-Area relationships were also developed for each sub-basin by utilizing GIS functions that can tabulate the number of raster cells within the LiDAR dataset that correspond to specific elevations within each sub-basin. The stage vs. area tables were entered into the ICPR model as storage nodes and they are used in the model to determine the flood elevation based on the peak runoff volume that occurs in the simulation.

The equivalent pipes, overflow weirs and stage-area tables can be found in the model input in ***Appendix C***.

2.5 Model Results for Existing Conditions

The existing conditions model was run for a 3-year, 1-day; 5-year, 1-day; 10-year, 1-day; 25-year, 3-day and 100-year, 3-day storm events. After a review of the initial results, additional sheet flow between sub-basins was incorporated into the model by adding more broad-crested weirs at locations where it was apparent that such flow could occur.

The flooding that residents reported in their questionnaires matched the results in some locations, but did not in other locations. This is common because the model cannot pick up all types of flooding that can occur. There are many depressed areas as described in Section 2.2 where water becomes trapped and cannot make its way to an inlet or outfall. This is an example of poor surface grading and does not reflect on the ability of the subsurface infrastructure to handle the stormwater. The model assumes that all runoff can reach to the storage node which is linked to offsite areas via pipes and/or overflow weirs.

Figure through 2-17 show the spatial extent and depths of flooding during the modeled storm events. The flood stage elevations per sub-basin are provided in ***Table 2-4***.

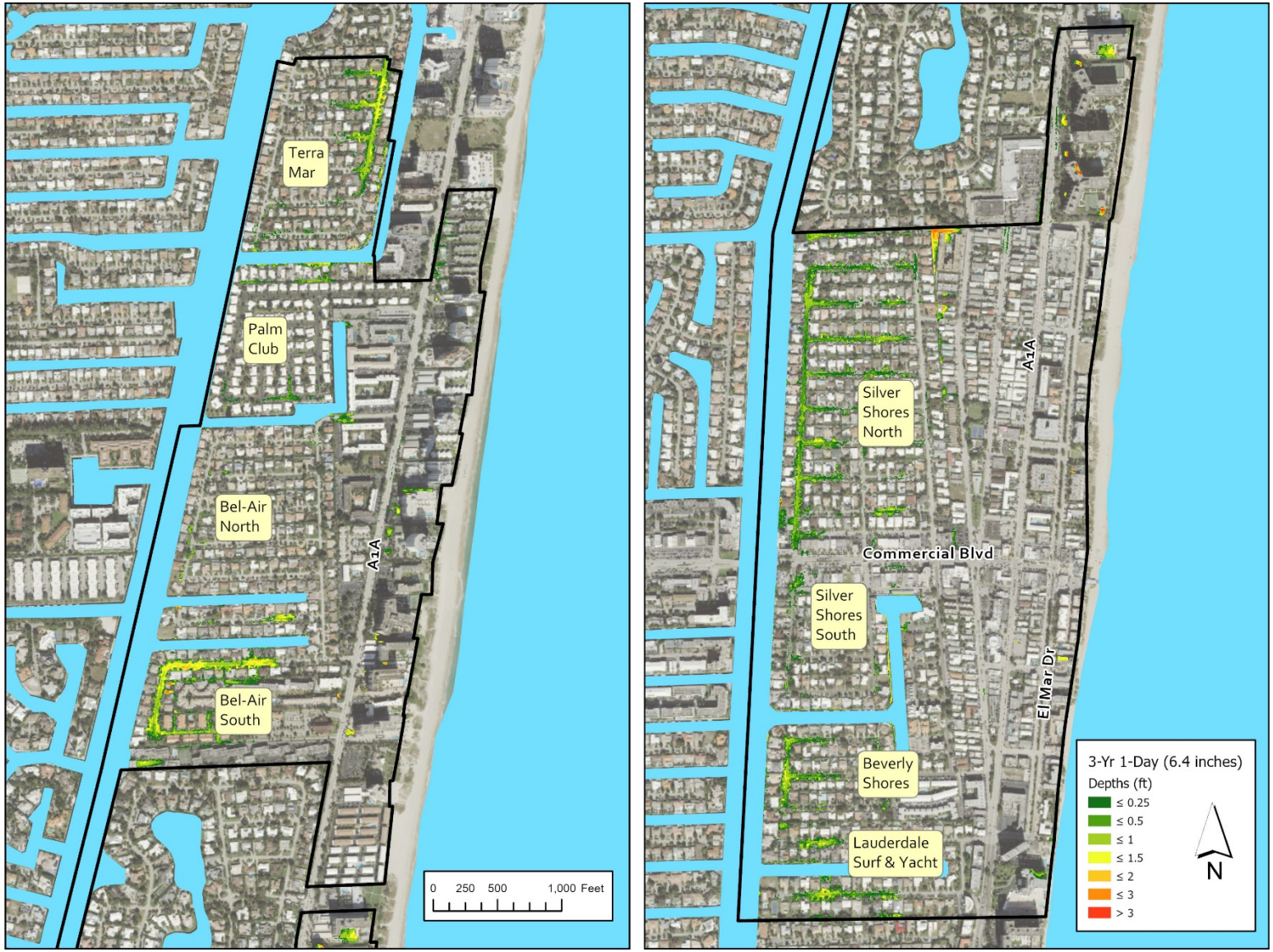


Figure 2-8: Flood Depths for Existing Conditions during 3-Year, 1-Day Storm Event of the Town of Lauderdale-By-The-Sea

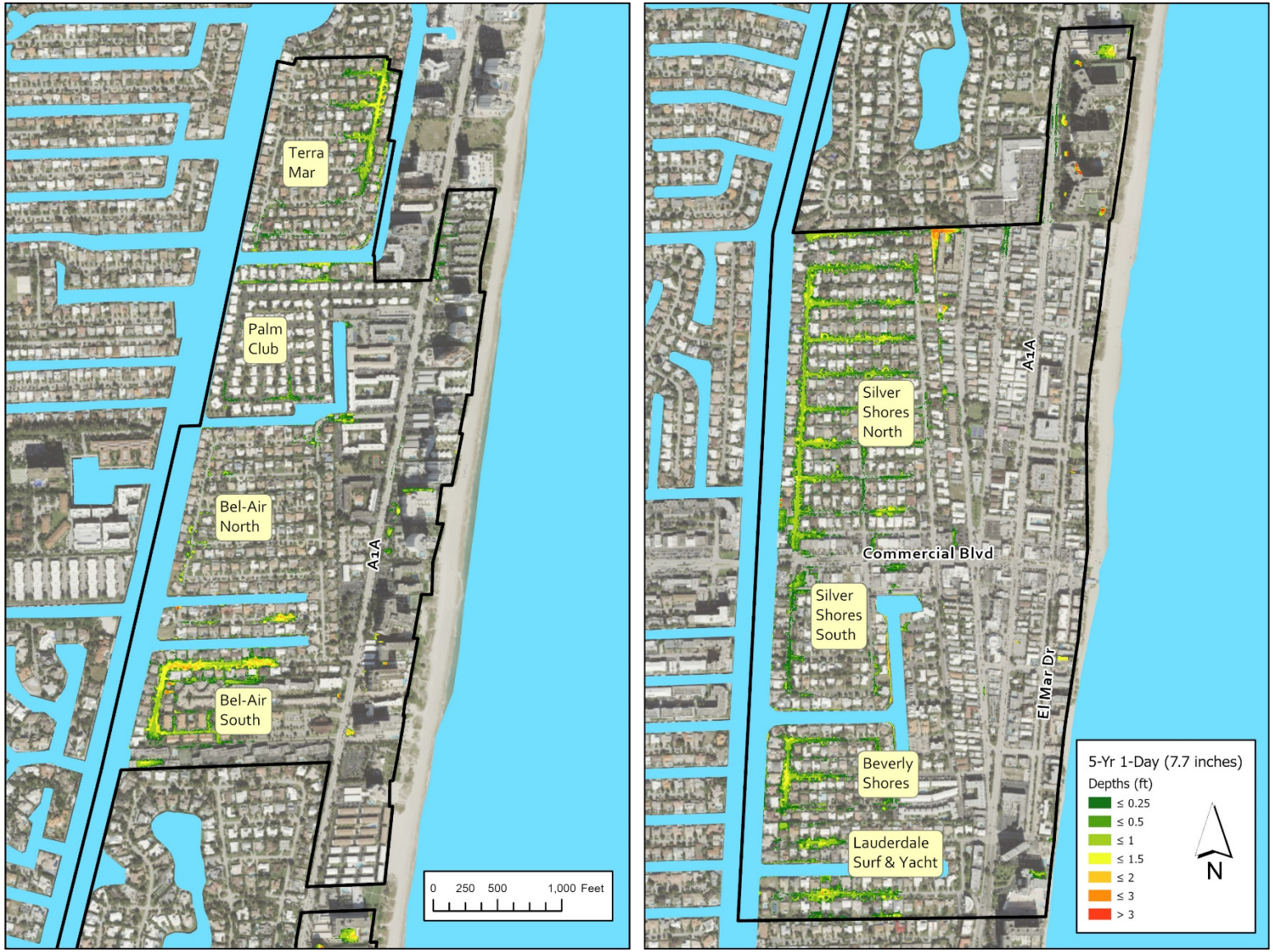


Figure 2-9: Flood Depths for Existing Conditions during 5-Year, 1-Day Storm Event of the Town of Lauderdale-By-The-Sea

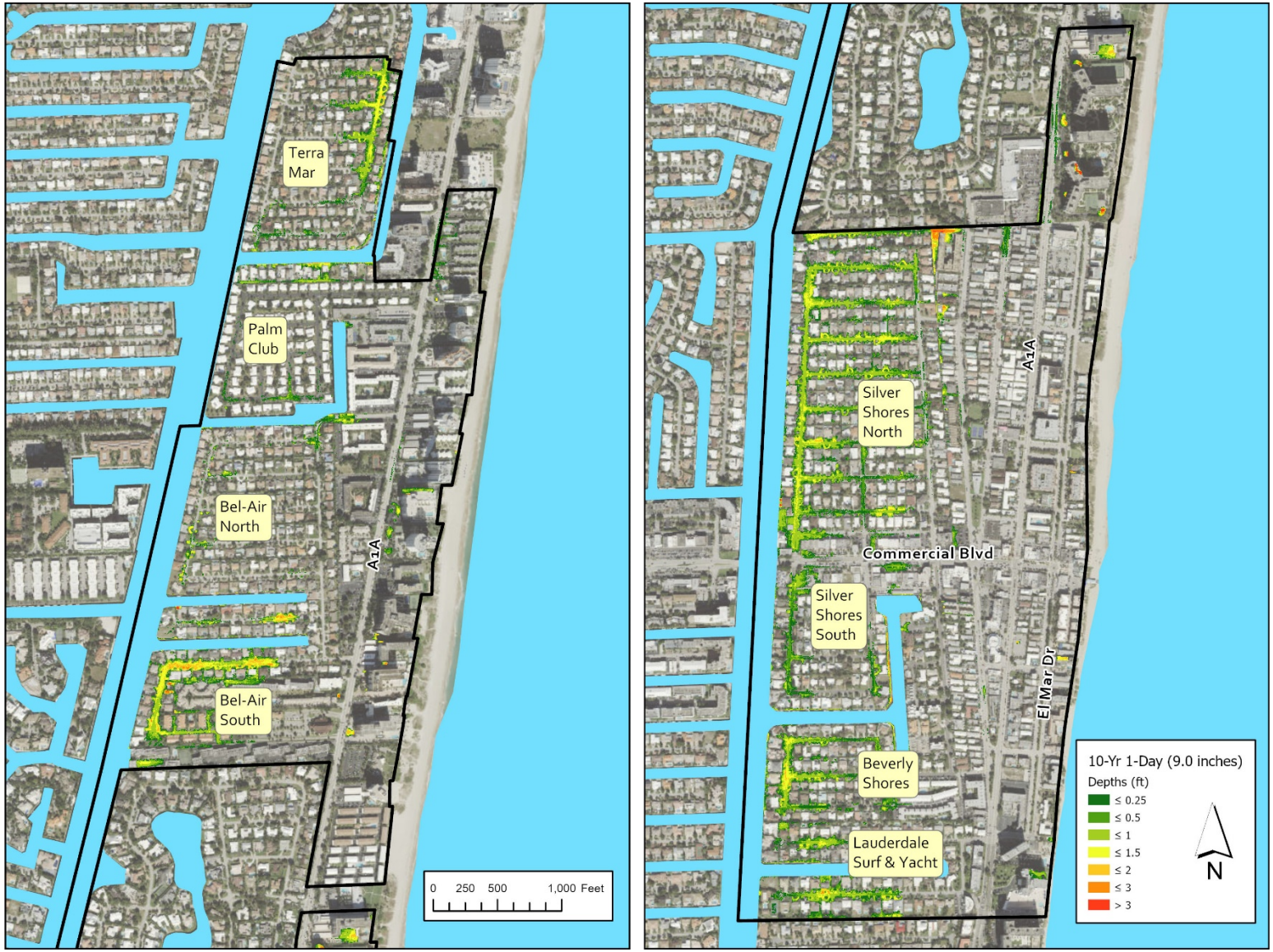


Figure 2-10: Flood Depths for Existing Conditions during 10-Year, 1-Day Storm Event of the Town of Lauderdale-By-The-Sea

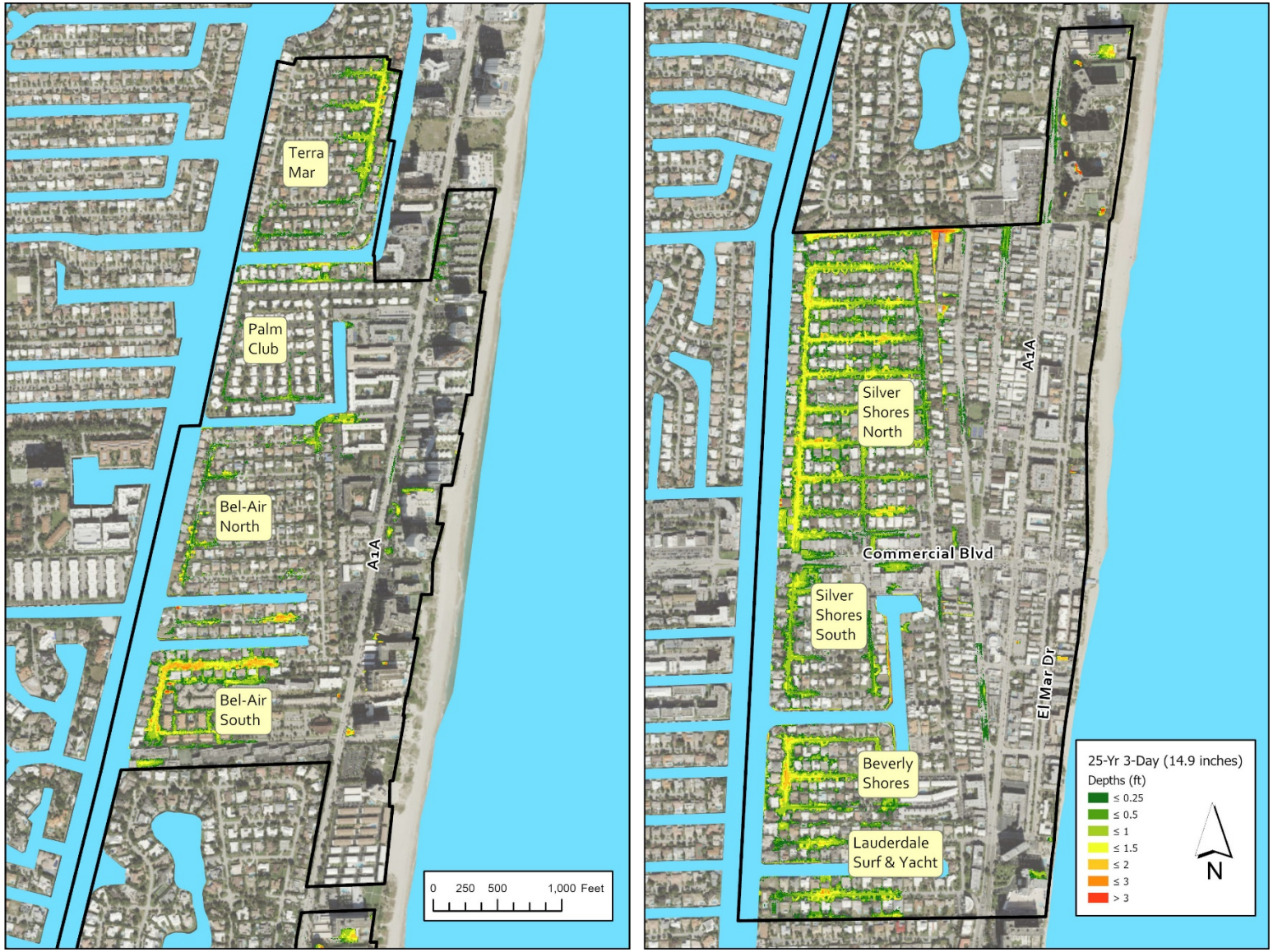


Figure 2-11: Flood Depths for Existing Conditions during 25-Year, 3-Day Storm Event of the Town of Lauderdale-By-The-Sea

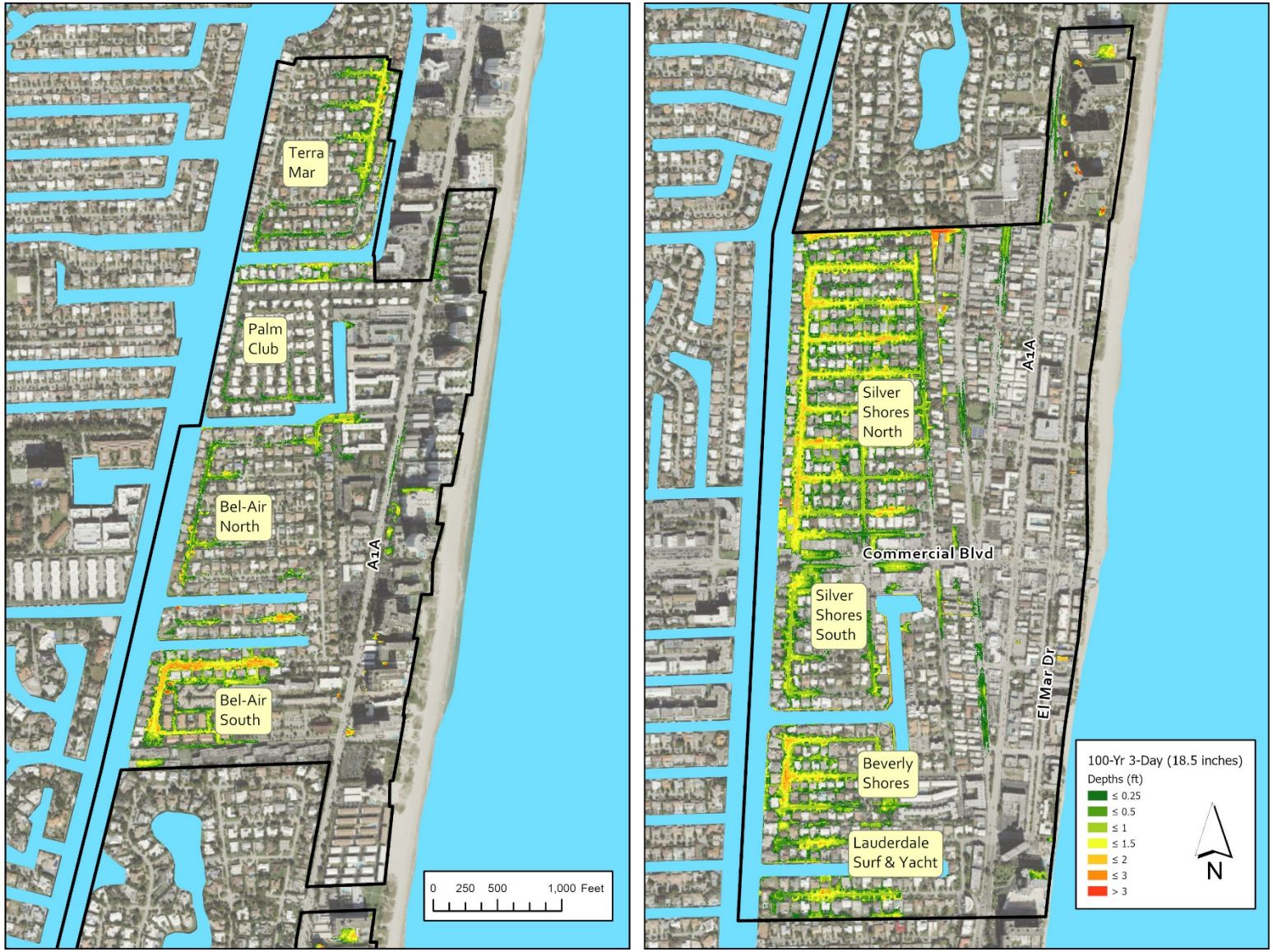


Figure 2-12: Flood Depths for Existing Conditions during 100-Year, 3-Day Storm Event of the Town of Lauderdale-By-The-Sea

Table 2-4: Peak Flood Elevations for Existing Conditions in Feet, NAVD88

Basin	3-yr 1-day	5-yr 1-day	10-yr 1-day	25-yr 3-day	100-yr 3-day
A	3.13	3.20	3.26	3.39	3.47
B	2.92	3.06	3.17	3.33	3.46
C	1.82	1.87	1.91	2.00	2.05
D	2.51	2.58	2.64	2.75	2.85
E1	3.11	3.48	3.70	4.04	4.25
E2	3.61	3.96	4.19	4.36	4.45
E3	4.15	4.30	4.42	4.63	4.78
F	3.42	3.58	3.71	3.97	4.13
G	4.19	4.33	4.45	4.66	4.81
H	4.42	4.48	4.56	4.74	4.88
I	3.61	3.67	3.73	3.84	3.93
J1	7.14	7.18	7.21	7.28	7.33
J2	5.47	5.55	5.62	5.76	5.87
J3	5.06	5.14	5.22	5.40	5.54
K	8.21	8.32	8.39	8.47	8.52
L	3.75	4.02	4.21	4.54	4.76
M	6.17	6.31	6.41	6.60	6.73
N	6.24	6.66	7.12	7.96	8.11
O	6.22	6.53	6.79	7.23	7.42
P1	3.78	4.01	4.20	4.54	4.75
P2	4.30	4.63	4.84	5.09	5.19
P3	3.43	3.52	3.61	3.78	3.91
P4	3.21	3.43	3.65	3.97	4.15
Q	4.08	4.55	5.12	6.09	6.46
R	3.42	3.71	3.87	4.11	4.24
S	6.49	6.70	6.90	7.17	7.31
T	6.25	6.39	6.51	6.68	6.78
U1	3.57	3.73	3.83	4.01	4.20
U2	3.70	3.92	4.04	4.20	4.30
U3	2.48	3.00	3.34	3.97	4.20
V	6.42	6.52	6.60	6.72	6.81
W	3.76	4.01	4.21	4.54	4.75
W1	5.96	6.29	6.64	7.17	7.31

2.6 Future Conditions

There are two factors to consider when evaluating future needs in terms of Stormwater – land use and Sea Level Rise (SLR). A future land use map was provided by the Town, which was a required component in the Town's Comprehensive Plan submitted to the State. The map shows very little changes to land use zoning, which is to be expected since the Town is fully built out. Therefore, it was not necessary to revise the GIS land use dataset for future changes to land use.

SLR events consist of storm surges, king tides and the effects of climate change, all of which can have adverse impacts on gravity-based drainage systems. The Town is especially vulnerable to SLR because it is virtually surrounded by tidal waters. The effects can force water up into low lying areas while also impeding the discharge of stormwater that would normally need to occur.

The Unified Sea Level Projection was published in October 2015 and updated in 2019 by the Southeast Florida Regional Climate Change Compact (SEFRCCC) with regional projections for the period from 1992 through 2120 based on projections and ongoing scientific literature. This publication is being used by local municipalities for SLR planning purposes. The unified projections include three global mean curves that were regionally adapted to account for observed acceleration in SLR in South Florida as shown in ***Figure 2-13***. SEFRCCC's recommended application of these curves is as follows:

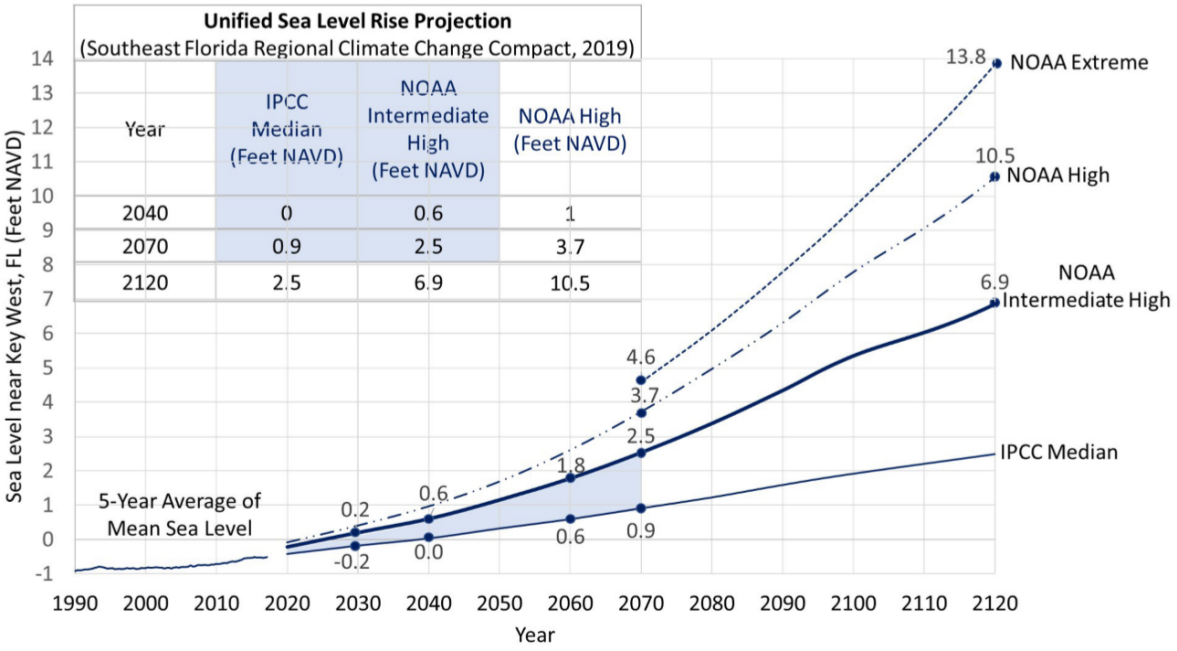


Figure 2-13: Sea Level Rise Projections for Southeast Florida

Application of the IPCC Median Curve

The Intergovernmental Panel on Climate Change (IPCC) Median or lower blue shaded portion of the projection can be applied to most infrastructure projects before 2070 or projects whose failure would result in limited consequences to others. An example low risk projects may be a small culvert in an isolated area. The designer of a type of infrastructure that is easily replaced, has a short lifespan, is adaptable, and has limited interdependencies with other infrastructure or services must weigh the potential benefit of designing for higher sea level rise with the additional costs. Should the designer opt for specifying the lower curve, she/he must consider the consequences of under-designing for the potential likely sea level condition. Such consequences may include premature infrastructure failure.

Application of the NOAA Intermediate High Curve

Projects in need of a greater factor of safety related to potential inundation should consider designing for the National Oceanic and Atmospheric Administration (NOAA) Intermediate High Curve. Examples of such projects may include evacuation routes planned for reconstruction, communications and energy infrastructure, and critical government and financial facilities or infrastructure that may stay in place beyond a design life of 50 years.

Application of the NOAA High Curve

Due to the community's fundamental reliance on major infrastructure, existing and proposed critical infrastructure should be evaluated using the NOAA High curve. Critical projects include those projects which are not easily replaceable or removable, have a long design life (more than 50 years), and are interdependent with other infrastructure or services. If failure of the critical infrastructure would have catastrophic impacts, it is considered to be high risk. Due to the community's critical reliance on major infrastructure, existing and proposed high risk infrastructure should be evaluated using the NOAA High curve. Examples of high risk critical infrastructure include nuclear power plants, wastewater treatment facilities, levees or impoundments, bridges along major evacuation routes, airports, seaports, railroads, and major highways.

For this Master Plan, the 2060 NOAA Intermediate High prediction was used because the infrastructure to be recommended is not considered to be "easily replaced" or to have "short lifespan." Stormwater infrastructure is expensive to construct and should be designed for a 50+ year lifspan. According to the graph in ***Figure 2-13***, the mean seal level elevation will be 1.8 feet, NAVD. This corresponds to a 2060 average high tide elevation of 2.8 feet, NAVD88. The model was modified to reflect a sea level rise of 1.8 feet over current average high tide elevation.

In addition to sea level rise, king tides can raise the normal high tides. King tides occur once or twice every year when the orbits and alignment of the Earth, moon, and sun combine. ***Figure 2-7*** was used to determine the average high tide elevations over time, but also shows peak stages due to king tides as regular spikes in the data. King tides appear to add approximately 1.5-feet to the normal high tide. In 2060, the combined sea level rise and king tide would result in a high tide that peaks at elevation 4.3 feet, NAVD88. This elevation is higher than many of the streets within some of the residential portions of the Town. ***Figure 2-14*** shows the inundation that would occur in 2060 with unabated SLR during a king tide event versus the current king tide depths. It should be noted that existing drainage pipes can exasperate the problem by allowing the rising tides to enter the streets. The location of the Town's existing stormwater outfalls are also show on the figure.

Based on the LiDAR information and current (2020) sea levels, the only communities showings flooding due strictly to king tides are Terra Mar and Palm Club. There is a stark difference, however, with the increase in sea level expected by 2060. These conditions would be even worse is a rain event occurs at the same time. This emphasizes the need to add backflow protection and highlights the areas where it will be needed the most.

The most common line of defense against SLR is to prevent tidal waters from entering into the stormwater conveyance systems by installing check valves in vulnerable areas. This would be effective during king tide events. However, SLR also effects the drainage system while a storm event occurs, regardless of the presence of valves.

2.6.1 Model Revisions for Future Conditions

Higher sea levels also result in higher groundwater elevations which reduces the capacity of the soils to absorb stormwater runoff. The runoff curve numbers were recalculated accordingly. To simulate storm events with the future changes due to land use and SLR, a new model scenario was created in ICPR by copying the existing conditions scenario and modifying the following parameters:

- Depth to water table
- Soil Curve Number
- Land use/soil combinations
- Boundary conditions – stage vs. time

Other parameters such as stage-storage and impervious assumptions were unchanged. The rainfall amounts and intensities also remained the same for comparison purposes. It is important to note that these changes to the model do not include measures to offset the impacts of SLR. This future conditions model was created to illustrate what may occur if no actions are taken. The model does not include a king tide condition considering the frequency of these events and likeliness of occurring during a major storm event. It is, however, possible.

To simulate the effects of SLR during storm conditions, the model was run with one-way valves and with the anticipated average SLR tidal conditions. The results show that even during a relatively minor storm event, a significant increase in flood stages occurs. ***Figure 2-15*** and ***Figure 2-16*** show the comparison of flood stages estimated for a 3-year, 1-day storm today vs. in 2060 for the northern and southern portions of the Town, respectively. This is caused by the loss of soil storage and the reduction of head loss between roads and the Intracoastal Waterway.

Table 2-5 shows the results of the SLR scenario in terms of peak flood stages compared to the current peak flood stages for various design storms for each drainage basin. Drainage basin locations are shown in ***Figure 2-5***.

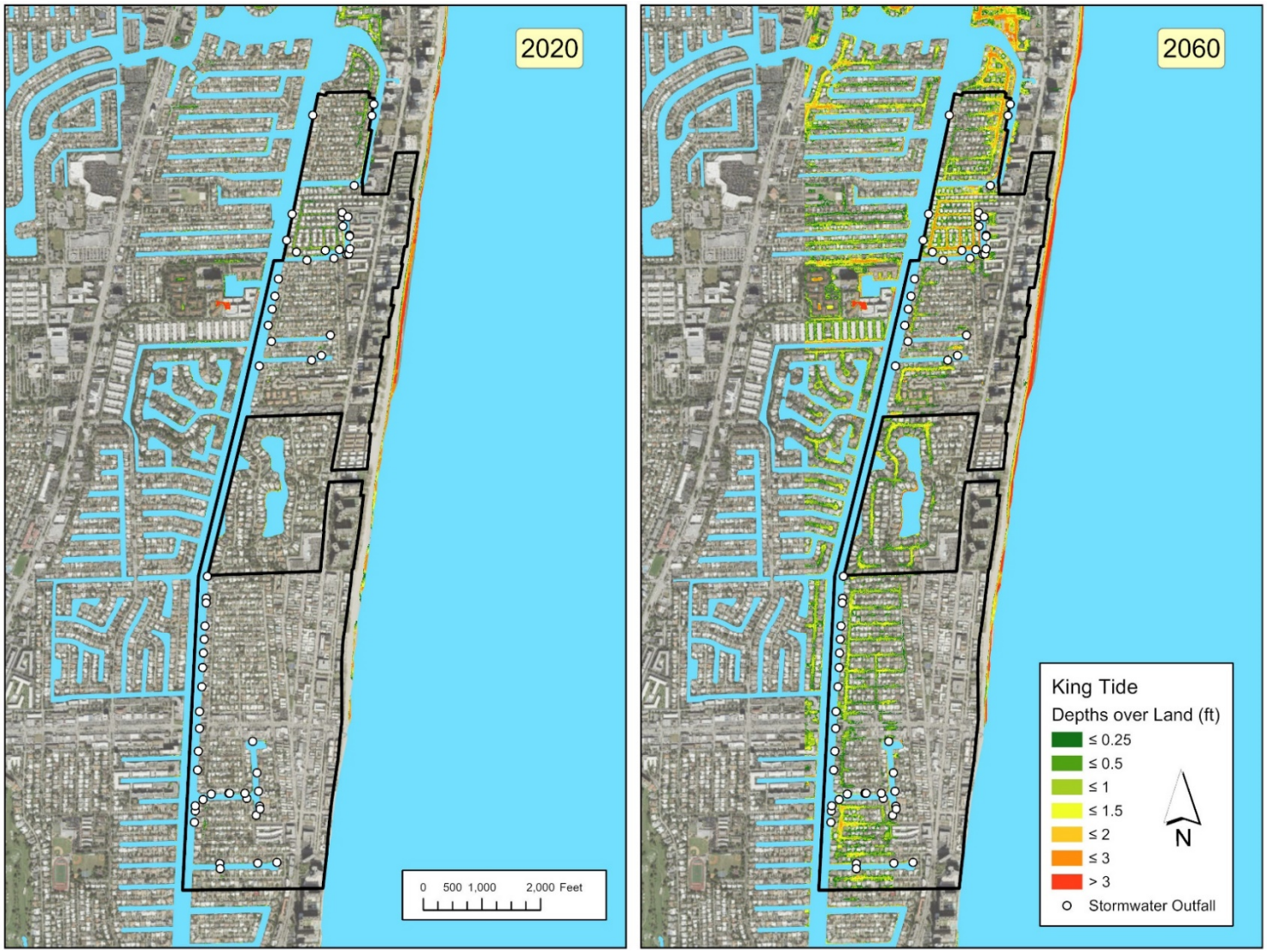


Figure 2-14: Sea Level Rise Flooding with King Tides – Zero Rainfall – Town of Lauderdale-By-The-Sea

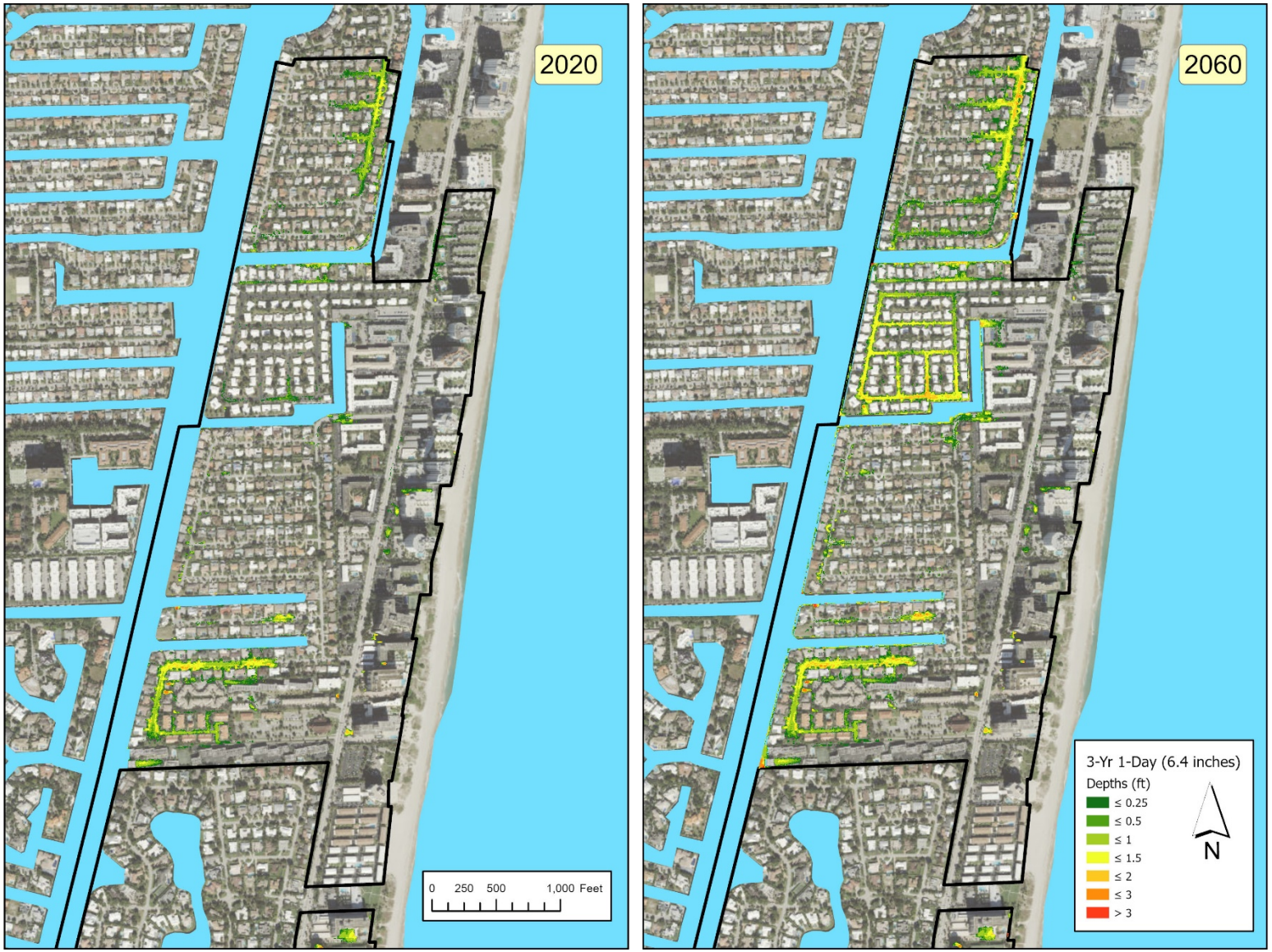


Figure 2-15: 3-Year, 1-Day Storm Sea Level Rise Flooding Comparison (North) – Town of Lauderdale-By-The-Sea

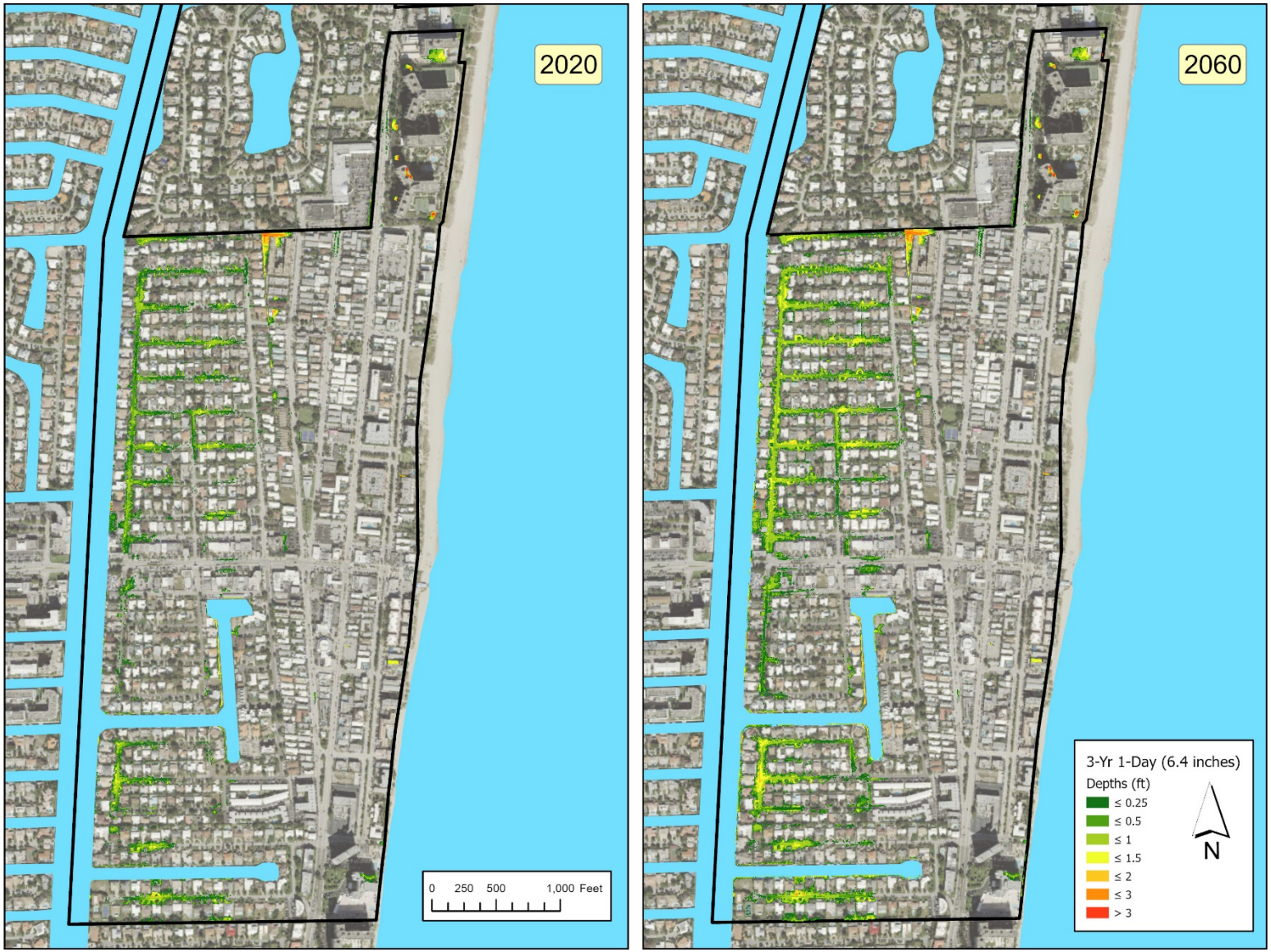


Figure 2-16: 3-Year, 1-Day Storm Sea Level Rise Flooding Comparison (South) – Town of Lauderdale-By-The-Sea

Table 2-5: Peak Flood Elevations for Existing vs. Future SLR Conditions in Feet, NAVD88 – Town of Lauderdale-By-The-Sea

Basin	3-yr 1-day			5-yr 1-day			10-yr 1-day			25-yr 3-day			100-yr 3-day		
	2020	2060	Change	2020	2060	Change	2020	2060	Change	2020	2060	Change	2020	2060	Change
A	3.13	3.61	0.48	3.20	3.69	0.49	3.26	3.77	0.51	3.39	3.90	0.51	3.47	3.99	0.52
B	2.92	3.34	0.42	3.06	3.42	0.36	3.17	3.50	0.33	3.33	3.60	0.27	3.46	3.70	0.24
C	1.82	3.33	1.51	1.87	3.39	1.52	1.91	3.45	1.54	2.00	3.53	1.53	2.05	3.61	1.56
D	2.51	3.62	1.11	2.58	3.68	1.10	2.64	3.74	1.10	2.75	3.85	1.10	2.85	3.94	1.09
E1	3.11	3.69	0.58	3.48	3.83	0.35	3.70	3.96	0.26	4.04	4.22	0.18	4.25	4.39	0.14
E2	3.61	4.14	0.53	3.96	4.26	0.30	4.19	4.32	0.13	4.36	4.43	0.07	4.45	4.49	0.04
E3	4.15	4.25	0.10	4.30	4.38	0.08	4.42	4.49	0.07	4.63	4.67	0.04	4.78	4.80	0.02
F	3.42	3.67	0.25	3.58	3.77	0.19	3.71	3.87	0.16	3.97	4.05	0.08	4.13	4.20	0.07
G	4.19	4.28	0.09	4.33	4.41	0.08	4.45	4.51	0.06	4.66	4.70	0.04	4.81	4.83	0.02
H	4.42	4.42	0.00	4.48	4.51	0.03	4.56	4.60	0.04	4.74	4.77	0.03	4.88	4.90	0.02
I	3.61	3.65	0.04	3.67	3.70	0.03	3.73	3.76	0.03	3.84	3.86	0.02	3.93	3.94	0.01
J1	7.14	7.14	0.00	7.18	7.18	0.00	7.21	7.21	0.00	7.28	7.28	0.00	7.33	7.33	0.00
J2	5.47	5.47	0.00	5.55	5.56	0.01	5.62	5.63	0.01	5.76	5.76	0.00	5.87	5.87	0.00
J3	5.06	5.06	0.00	5.14	5.14	0.00	5.22	5.22	0.00	5.40	5.40	0.00	5.54	5.54	0.00
K	8.21	8.21	0.00	8.32	8.32	0.00	8.39	8.39	0.00	8.47	8.47	0.00	8.52	8.52	0.00
L	3.75	4.10	0.35	4.02	4.27	0.25	4.21	4.41	0.20	4.54	4.66	0.12	4.76	4.85	0.09
M	6.17	6.24	0.07	6.31	6.35	0.04	6.41	6.43	0.02	6.60	6.60	0.00	6.73	6.73	0.00
N	6.24	6.38	0.14	6.66	6.76	0.10	7.12	7.17	0.05	7.96	7.96	0.00	8.11	8.11	0.00
O	6.22	6.32	0.10	6.53	6.59	0.06	6.79	6.82	0.03	7.23	7.24	0.01	7.42	7.42	0.00
P1	3.78	4.10	0.32	4.01	4.27	0.26	4.20	4.41	0.21	4.54	4.66	0.12	4.75	4.85	0.10
P2	4.30	4.56	0.26	4.63	4.80	0.17	4.84	4.97	0.13	5.09	5.13	0.04	5.19	5.21	0.02
P3	3.43	3.61	0.18	3.52	3.70	0.18	3.61	3.77	0.16	3.78	3.93	0.15	3.91	4.06	0.15
P4	3.21	3.65	0.44	3.43	3.83	0.40	3.65	3.98	0.33	3.99	4.20	0.21	4.21	4.34	0.13
Q	4.08	4.27	0.19	4.55	4.72	0.17	5.12	5.26	0.14	6.09	6.11	0.02	6.46	6.48	0.02
R	3.42	3.85	0.43	3.71	3.95	0.24	3.87	4.04	0.17	4.11	4.21	0.10	4.24	4.35	0.11
S	6.49	6.50	0.01	6.70	6.71	0.01	6.90	6.90	0.00	7.17	7.17	0.00	7.31	7.31	0.00
T	6.25	6.26	0.01	6.39	6.40	0.01	6.51	6.51	0.00	6.68	6.68	0.00	6.78	6.78	0.00
U1	3.57	3.78	0.21	3.73	3.88	0.15	3.83	4.00	0.17	4.01	4.21	0.20	4.20	4.35	0.15
U2	3.70	3.97	0.27	3.92	4.07	0.15	4.04	4.15	0.11	4.20	4.26	0.06	4.30	4.35	0.05
U3	2.48	3.60	1.12	3.00	3.82	0.82	3.34	3.98	0.64	3.97	4.21	0.24	4.20	4.35	0.15
V	6.42	6.43	0.01	6.52	6.53	0.01	6.60	6.60	0.00	6.72	6.72	0.00	6.81	6.81	0.00
W	3.76	4.10	0.34	4.01	4.27	0.26	4.21	4.41	0.20	4.54	4.67	0.13	4.75	4.85	0.10
W1	5.96	6.07	0.11	6.29	6.38	0.09	6.64	6.69	0.05	7.17	7.18	0.01	7.31	7.31	0.00

Section 3 Stormwater Ordinances

3.1 Inventory

The Town has in place several ordinances to ensure the consideration of stormwater flow in new and future private developments. The following ordinances describe the administrative authority and various permitting requirements regarding stormwater affairs:

- Chapter 5 Article IV. Section 5-81: *Applications for building permits*
  - For construction on coastal building zones, a permit may require the Building Official to be certified by an architect or a professional engineer registered in the State.
- Chapter 9 Article II. Section 9-16: *Applications and permits*
  - In flood hazard areas, all proposed developments must submit plans to the Floodplain Administrator for review and issuance of permit in conjunction to the Florida Building Code.
- Chapter 20 Article IV. Sections 20-34 – 20-90: *Stormwater Management Utility*
  - Details duties and powers of City over its stormwater management system, including ability to establish charges for stormwater management services that varies based on class on service received by property.
- Chapter 30 Article II. Division 2 Section 30-71 (c)(2): *Adequacy of water management*
  - Details required LOS standards for new development. Notably, buildings must be no lower "…than the respective area depicted on the "100-Year Flood Criteria Map."" Additionally, on-site storage must be "…design rainfall volume minus off-site discharge occurring during design rainfall."

Additionally, the Town requires various surfacing and landscaping to increase the amount of well-drained areas of the Town:

- Chapter 30 Article V. Division 2. Subdivision O. Section 30-291(i): *Surfacing*
  - Requires pavement for parking areas in community facilities to be graded and drained in order to dispose of all surface water.
- Chapter 30 Article V. Division 2 Subdivision Q. Section 30-313: *General Provisions*
  - (a) *Drainage facilities*. Obligates all improved property to have adequate drainage and "…all well and drainage locations must be shown on a site plan in accordance with all applicable regulation."
  - (i)(1) *Driveways for single-family, two-family and townhome dwellings.* Demands that driveways be constructed of non-asphalt pavement.
  - *(i)(1)e. Pervious pavement.* Prohibits the use of pervious pavement for properties on El Mar Drive only and details process to use pervious payment in other locations.
  - *(i)(3) Standards for swales for single-family, two-family and townhome dwellings.*

d. Grading requirements. For properties without a curb and gutter, the following grading standards shall be met and maintained:
1. All grassed areas and other permeable areas within the public right-of-way shall be graded so that the final grade is a minimum of three inches lower than the adjacent street and driveway pavement. Town Engineer approval of the design specifications for the grade must be obtained.
2. The grade of driveways within the swale area shall be constructed so that the final grade matches the adjacent landscaped swale area and shall slope from the driveway to the adjacent landscaped swales according to the cross section standard adopted by the Town Engineer, unless a specific modification has been approved by the Town Engineer because of field conditions or the use of pervious pavement or pervious pavers.

    - Specifically, swales on Ocean Drive (A1A) require FDOT specifications and permit requirements and resurfacing or restriping of parking areas must maintain the minimum Broward County water quality stormwater requirements for runoff.
    - (l) *Paving drainfield areas.* Prohibits paving with hard surface materials in drainage facilities.

- Chapter 30 Article V. Division 2 Subdivision Q Section 30-317(f): *Drainage*
    - Requires all off-street parking facilities to be drained to prevent any nuisance on adjacent or public property.
- Chapter 30 Article VII. Section 30-481: *Landscape requirements by zoning districts*
    - For single-family, two-family, and multi-family districts, a minimum of 25 percent of total gross area of a plot is required to be devoted to landscaped pervious area.

Lastly, the City has several other ordinances prohibiting actions to ensure the protection and preservation of their current stormwater management system:

- Chapter 6 Article I. Section 6-2: *Discharge into town sanitary or storm sewer system*
    - Requires cleaning of grease traps every six months to avoid grease flow into storm sewer lines and prohibits illicit discharge.
- Chapter 8 Article III. Section 8-49: *Waste oil prohibitions*
    - Prohibits any oil, liquid, inflammable, or combustible waste to discharge or runoff into any storm sewer.
- Chapter 19 Article II. Section 19-23: *Swale parking restrictions*
    - Prohibit any parking in swale without expressed permission from property owner.

3.2 Assessment

The ordinances governing new construction also apply to reconstruction, which is important since the Town is almost completed developed. The replacement or major modification of an existing home or business must provide storage of runoff that is equal to the site's current amount of storage above the average wet season water table (Chapter 30 Article II. Division 2 Section 30-71 (c)(2)). The intent is to limit the discharge of stormwater from the property to

the existing volume that runs off. This is volume represents any standing water on the site as well as water absorbed into the soils, referred to as soil storage. Many properties may not experience standing water onsite because they have likely been designed to drain the water off. However, if a property is planned to be modified or redeveloped with an increase in impervious area, then then the owner is required to provide storage onsite for the loss of soil storage that would occur as a result.

While many of the ordinances address water quality requirements, such ordinances were established as a requirement of the Town's NPDES permit and cover illicit discharges of pollutants, system maintenance and reinforcement of Best Management Practices (BMPs). There is not a requirement for new or redevelopment projects provide water quality treatment. Many municipalities in South Florida have ordinances requiring that new or major redevelopment projects provide a minimum amount of onsite retention for the "first flush" of runoff, typically one inch. The Town does, however, have an ordinance requiring that swales be constructed in front of new or redeveloped residential properties (Chapter. 30 Article V. Division 2 Subdivision. Q. Section. 30-313 (i)(4)) and that driveways be graded to match the invert of the swale. The purpose of the swale is to collect road drainage and allow it to drain to the Town's stormwater system. The swales, which located within the Town's right-of-way, also collect runoff from the adjacent property and provide a level of water quality treatment since they are pervious.

Chapter 20 Article IV. Sections 20-34 through 20-90 establishes the Town's Stormwater Management Utility by defining the stormwater system and the Town's powers and responsibilities. It also provides the Town with the authority to apply "service charges" to fund stormwater activities. Currently, there are no stormwater fees being charged to property owners within the Town under this provision. Stormwater activities are funded through the Town's general fund.

Section 4 Capital Improvement Projects

4.1 Design Approach

Several proposed stormwater improvement options were modeled to address the Town's stormwater problems and to provide the Town with both short-term and long-term solutions. The proposed short-term improvements are anticipated to be implemented in the next 10-years of the Town's Capital Improvement Plan (CIP) budget. The proposed long-term improvements address future SLR implications for the City and are anticipated to be implemented by 2060. This goes beyond the 20-year long-term projections used for the water and sanitary utilities because any stormwater improvements planned for the next 20 years need to also consider what will happen beyond that time because the service life of drainage pipes and structures can extend well beyond 20 years. It is also recognized that based on the magnitude of the drainage issues, the Town may need more than 20 years to fully implement the solutions.

It should be noted that culverts, inlets and stormwater facilities can have a life span from 50 to 100 years and that it would be inefficient to install facilities if there is a possibility that they could be obsolete in a much shorter timeframe. By planning for the short-term and long-term improvements at the time, it is possible to coordinate those improvements so that the short-term improvements can be functional into the future. For example, if a future pipe is planned in the same location as a short-term recommended pipe, but is larger than the short-term pipe, the short-term pipe can be increased in size so that it can also be used in the long-term.

The types of solutions depend on the locations and the severity of the drainage problems. Several complaints of flooding were reported at locations with relatively higher elevation such as El Mar Drive and Bougainvilla Drive. The model did not detect flooding in these areas because the topography is not detailed enough to simulate areas where runoff is trapped causing "nuisance flooding." These areas include isolated drainage infrastructure with no outlets.

The obvious solution for such areas is to provide an outlet. However, SFWMD and Broward County will not allow an increase in flow rates to the Intracoastal Waterway or to the Ocean. Therefore, new outfall would likely not get regulatory approval. The best solution for such areas is to take advantage of the soil conditions and disperse the water through exfiltration trenches that are designed for a 3-year storm event. These areas should also be surveyed to determine areas where ponding may occur so that roadway regrading can be considered.

El Mar Drive is currently being studied for a major redesign that will also include a new stormwater system. The stormwater design should consider broader use of exfiltration trenches. Bougainvilla Drive and Poinsettia Drive should also be a reviewed for similar drainage improvements.

There are more severe flooding problems in residential neighborhoods in the western portions of the Town as verified by the model. These areas are problematic because they are low lying and have limited discharge capacity. Exfiltration trenches will be less effective in these areas because of the low depth to the water table and poorer soil conditions. As mentioned above,

allowable discharge is also an issue. These areas will not be allowed to discharge water faster than it currently discharges.

To many, it may seem that the solution for this type of problem would be to raise the roads. But this is not feasible in this situation because the higher roads would simply displace the water pushing it up higher onto adjacent private property. The higher flood stages also result in higher discharge rates due to the increase in head loss, which regulatory agencies would not allow.

For areas with this type of problem, the best solution is to try to increase the discharge volume without increasing the peak discharge rate. This can be difficult to achieve and requires several model iterations. During a major storm event (25-year 3-day), most of the basins along the Intracoastal Waterway discharge water via sheetflow between homes in addition to discharging through pipes. Increasing the pipe discharge can have the effect of decreasing the sheetflow discharge because the lower flood stages. A larger outfall can produce this effect without increasing the overall total discharge rate (pipe flow plus sheet flow). The improvements can be minor in terms of flood stages, but can dramatically reduce the durations of flooding.

The benefits of this approach, however, will diminish over time as Sea Level Rise (SLR) occurs. At which time, there will be only one solution to solve the flooding. Pump stations will be needed to maintain flood stages at or below current flood levels. The primary benefit of using pumps is the ability to continuously discharge water regardless of the downstream tailwater elevation. A secondary benefit is that the pumps can discharge at a relatively constant rate of flow equal to the allowable discharge. Gravity discharge systems can only discharge at that rate when the peak flood stage is occurring. Pump systems result in lower flood stages and significantly less flooding durations. The pump stations would be located underground in the road rights-of-way with control panels located nearby in grassed areas of the right-of-way. No additional right-of-way acquisition is anticipated, but would need to be verified when designed.

Considering that certain basins will ultimately need pump stations, the design approach includes identifying those basins, modeling outfall pipe improvements, modeling pump stations and sizing the pipes needed upstream of the pump stations. The short term improvements would include the pipes with a manhole or inlet located where, ultimately, a pump station would be installed. The pipes would be sized to function with a future pump station. The pump stations would be constructed in the long term portion of the CIP.

This approach was taken for the drainage improvements at Terra Mar, which will be constructed later this year. The first phase of the improvements includes new pipes to improve drainage and that are designed to function with a future pump station.

The analyses performed for both the short-term and long-term improvements are outlined below along with conceptual drawings and associated cost estimates.

4.2 CIP Modeling

Five basins were identified as being in need of improvements to reduce flooding and combat SLR using the phased approach described above – pipe outfall improvements followed by pump stations. These basins include: Basin A (Terra Mar), Basin E3 (Bel-Air South), Basin L (Silver Shores North), Basin P4 (Beverly Shores), and Basin U2 (Lauderdale Surf & Yacht).

Terra Mar (Basin A) was included despite the ongoing plans for improvements because those improvements have yet to be completed and there are no plans to-date regarding a pump station, which will be needed in the future. Silver Shores North (Basin L) and Beverly Shores (Basin P4) only exhibited moderate flooding for the 3-year 1-day storm under current sea level conditions. However, they were included because of the future flooding predicted by the model with SLR conditions. Palm Club (Basin C) showed similar flooding as a result of SLR, but was not included because it includes private roads and stormwater infrastructure.

Several model iterations were performed for both short-term (typically pipes) and long-term (typically pumps) scenarios in order to achieve the best results without exceeding the allowable discharge rates for the 25-year 3-day storm event. Some basins were more responsive to the design approach than other basins which depends on reducing overland flow discharge by increasing pipe discharge. Basins that currently do not exhibit large amounts of overland discharge were less likely to show improvements in terms of flood stages.

Another consideration is the size of the outfall pipes that can be physical installed considering the limited spaces between homes. A maximum size of 24 inches in diameter was used along with a maximum capacity of 50 cubic feet per second (cfs) for pressure conditions. It was found that most of the basins could be served by a single pump station. Two stations, however, were needed for Basin L.

The results of the combined pipe and pump scenarios are shown in ***Figures 4-1*** and ***4-2*** for current sea level (2020) and in ***Figures 4-3*** and ***4-4*** for future seal level conditions (2060) for the northern and southern portions of the Town, respectively. The figures show that the improvements will be reduced below current flood levels, and will remain lower even under future SLR conditions. While these figures show where the flood would occur, they do not address the duration of flooding which is also reduced by the improvements. ***Figures 4-5*** through ***4-9*** show graphs of time versus water level during a 3-year 1-day storm event for existing and future sea level conditions. ***Table 4-1*** shows the reduced durations of flood predicted by the model.

The graphs and table illustrate that significant reductions in the duration of flooding can be achieved by adding pipes and pumps. The effectiveness of the pipes alone diminishes over time as SLR occurs. The addition of the pumps not only counters this effect, but improves upon current system even during SLR conditions. The figures and graphs illustrate the 2020 and 2060 (SLR) conditions assuming that pumps for Basins L and P4 will be added sometime before 2060. These pump, however, are not recommended in the 10-year or 20-year CIP and, therefore, are not reflected in ***Table 4-1***.

Table 4-2 includes the peak discharge rates in cubic feet per second (cfs) for the existing conditions, pipe improvements and pump station model scenarios for comparison. Most of the peak discharge rates for the proposed scenarios are substantially close to the existing rates with the exception of Basin L. However, this basin is interconnected with Basin W by overland flow. The combined discharge rates of Basin L and Basin W are less for the proposed scenarios than the existing conditions.

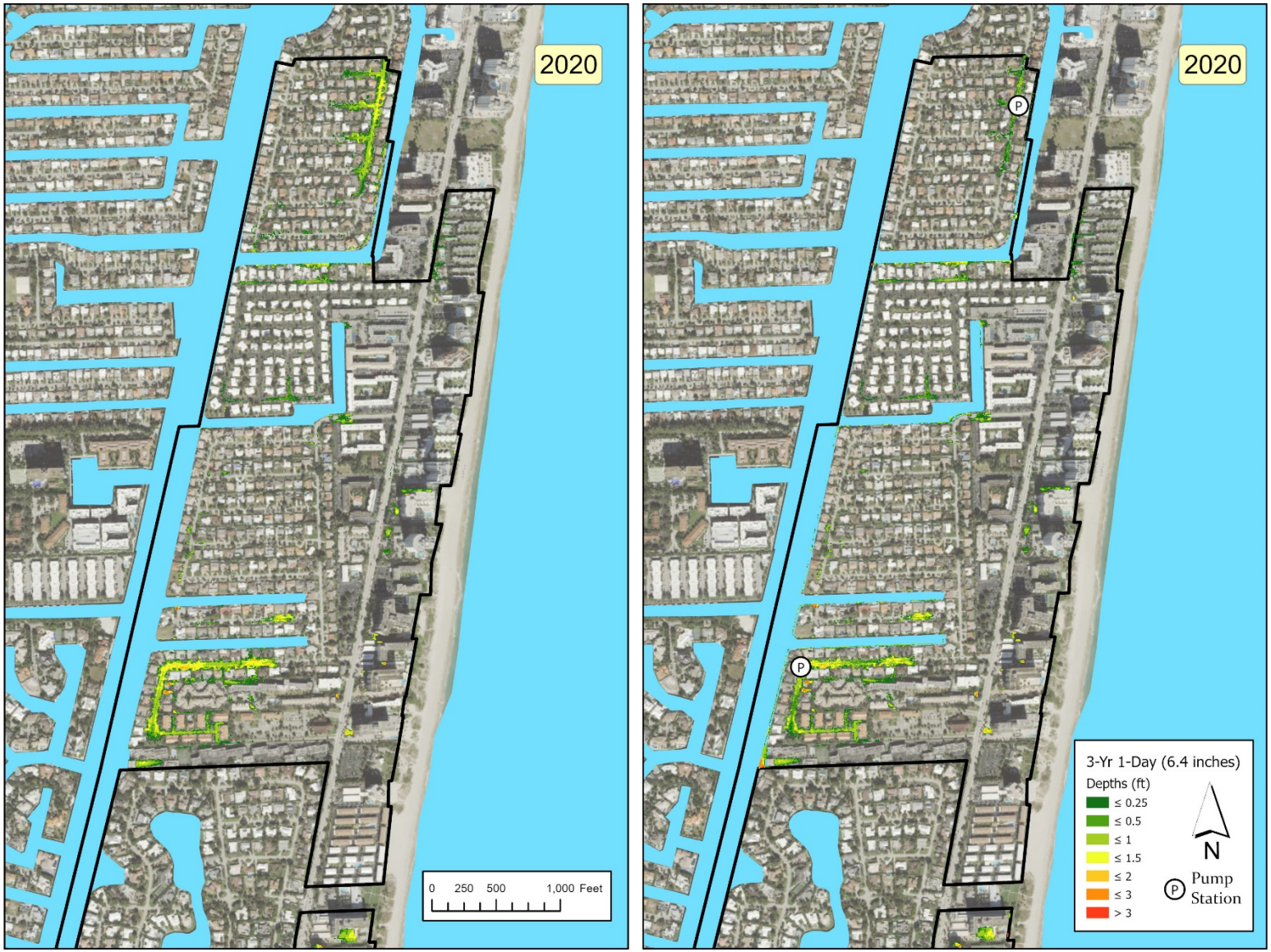


Figure 4-1: 3-Year, 1-Day Storm Existing vs. Proposed Flood Level Comparison – Current Conditions (North) – Town of Lauderdale-By-The-Sea

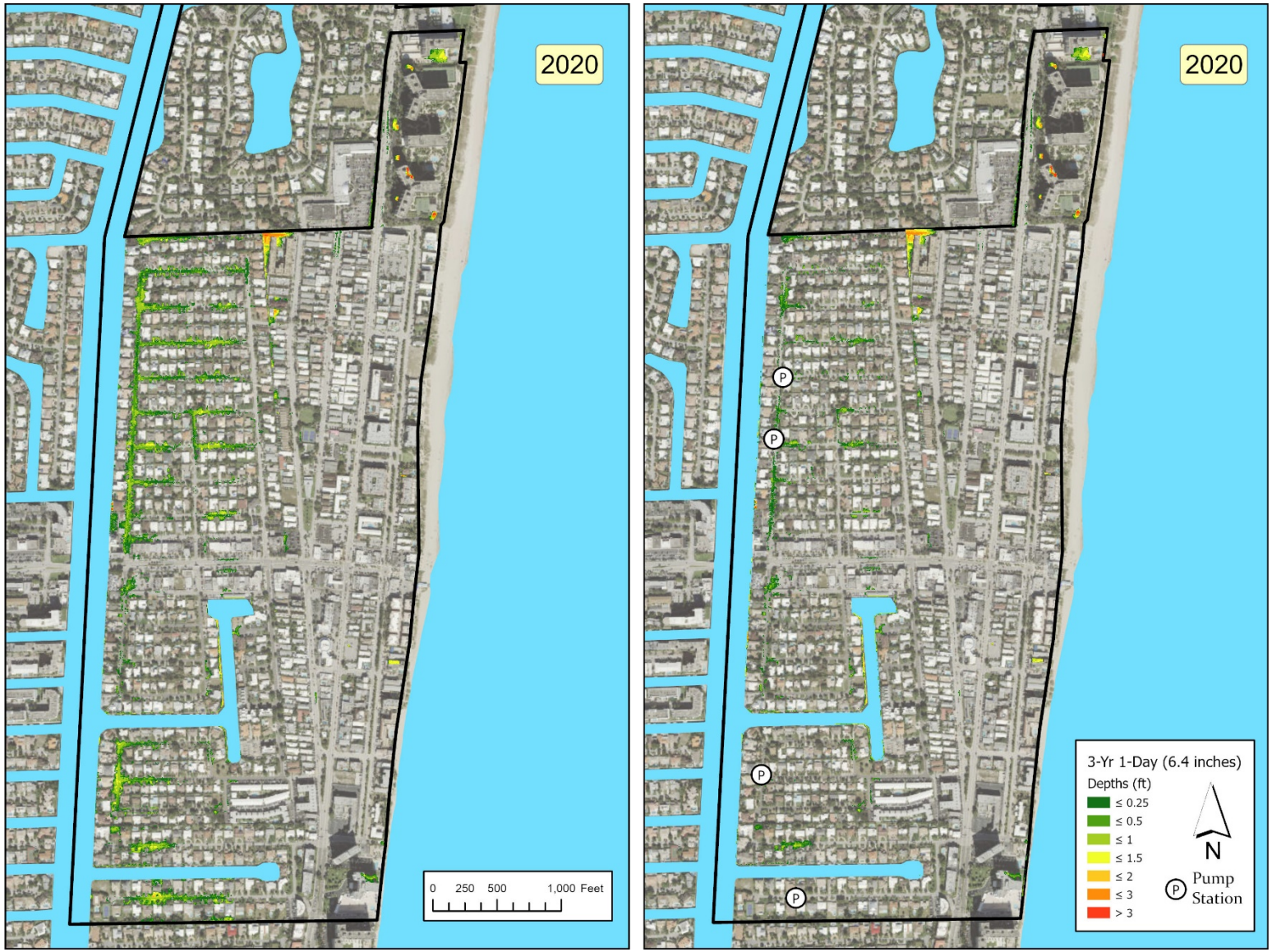


Figure 4-2: 3-Year, 1-Day Storm Existing vs. Proposed Flood Level Comparison – Current Conditions (South) – Town of Lauderdale-By-The-Sea

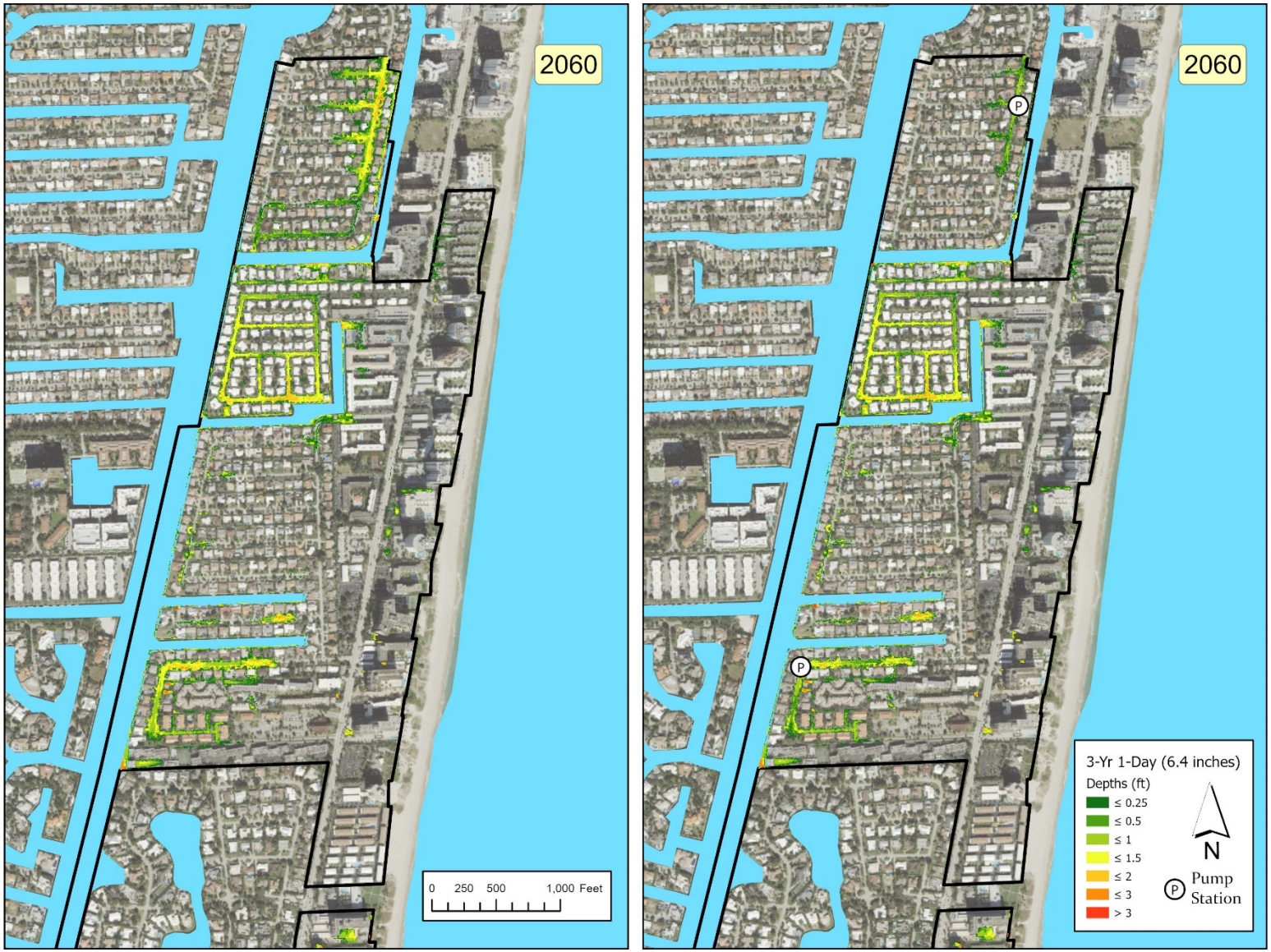


Figure 4-3: 3-Year, 1-Day Storm Existing vs. Proposed Flood Level Comparison – SLR Conditions (North) – Town of Lauderdale-By-The-Sea

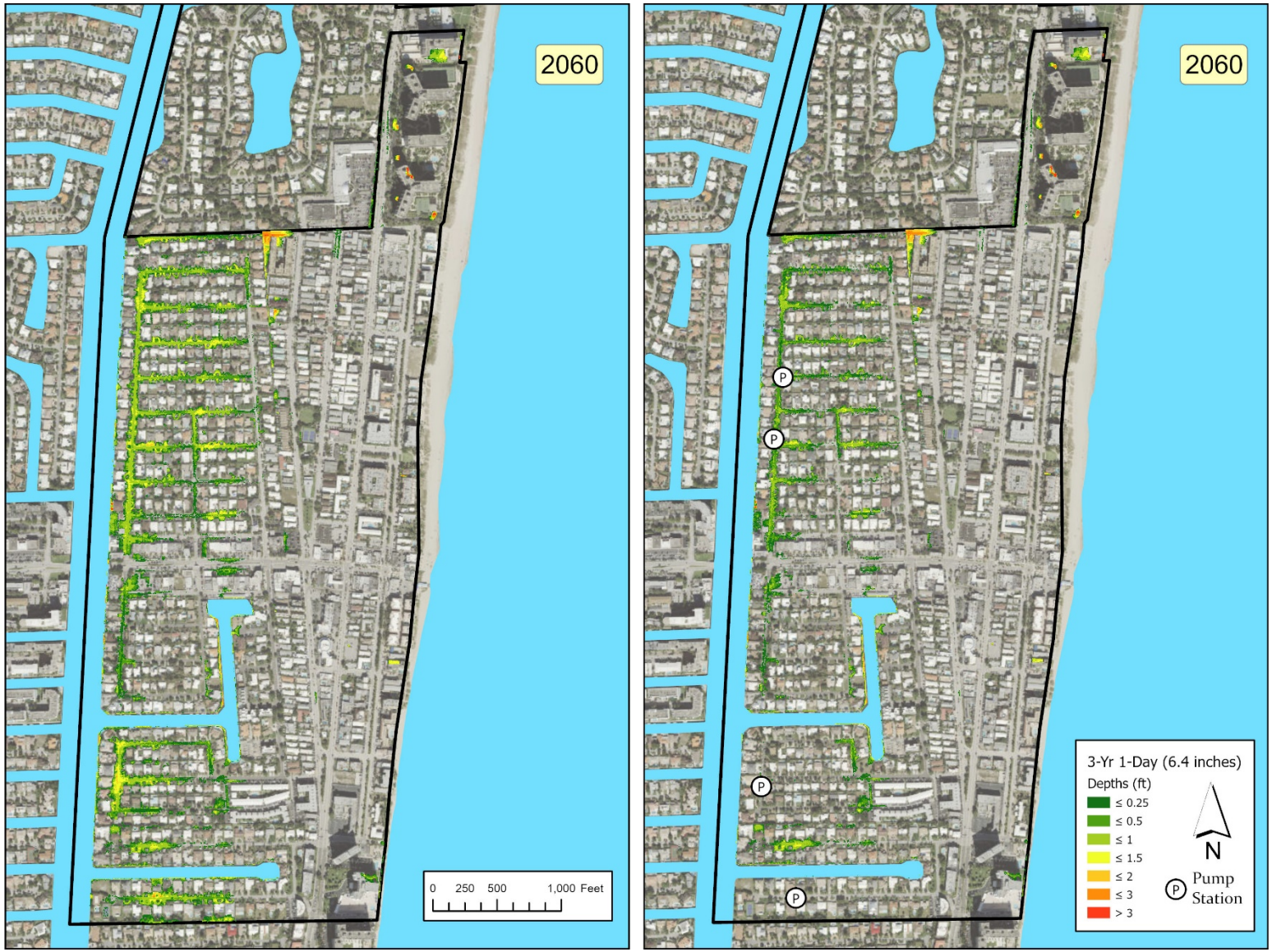


Figure 4-4: 3-Year, 1-Day Storm Existing vs. Proposed Flood Level Comparison – SLR Conditions (South) – Town of Lauderdale-By-The-Sea

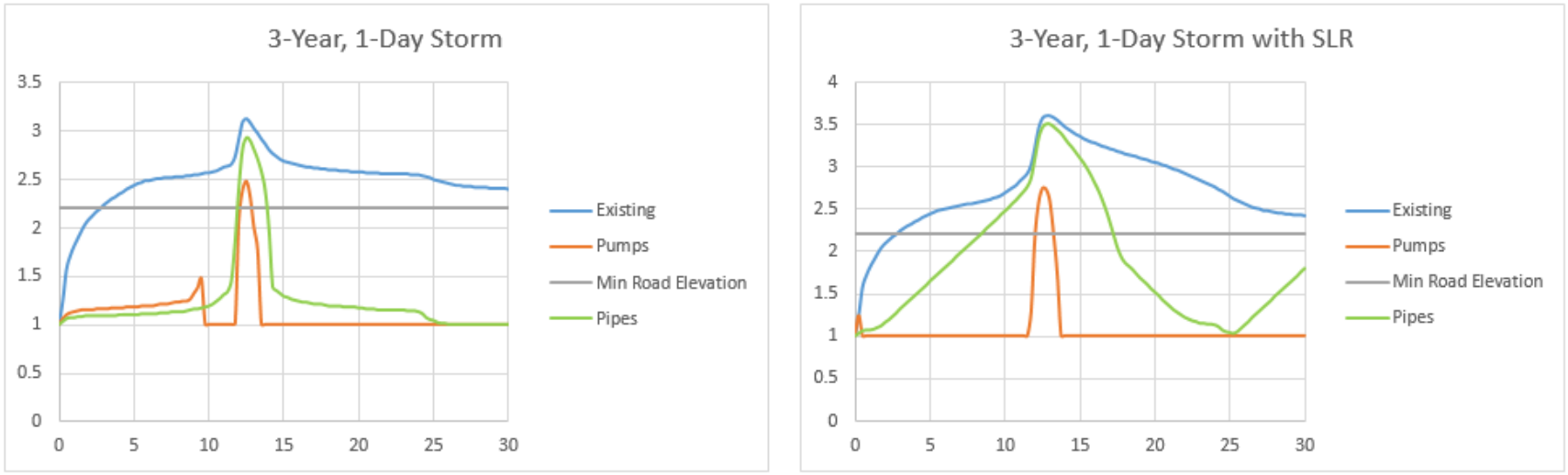


Figure 4-5: Basin A (Terra Mar) 3-Year, 1-Day Storm: Time vs. Water Level Comparison

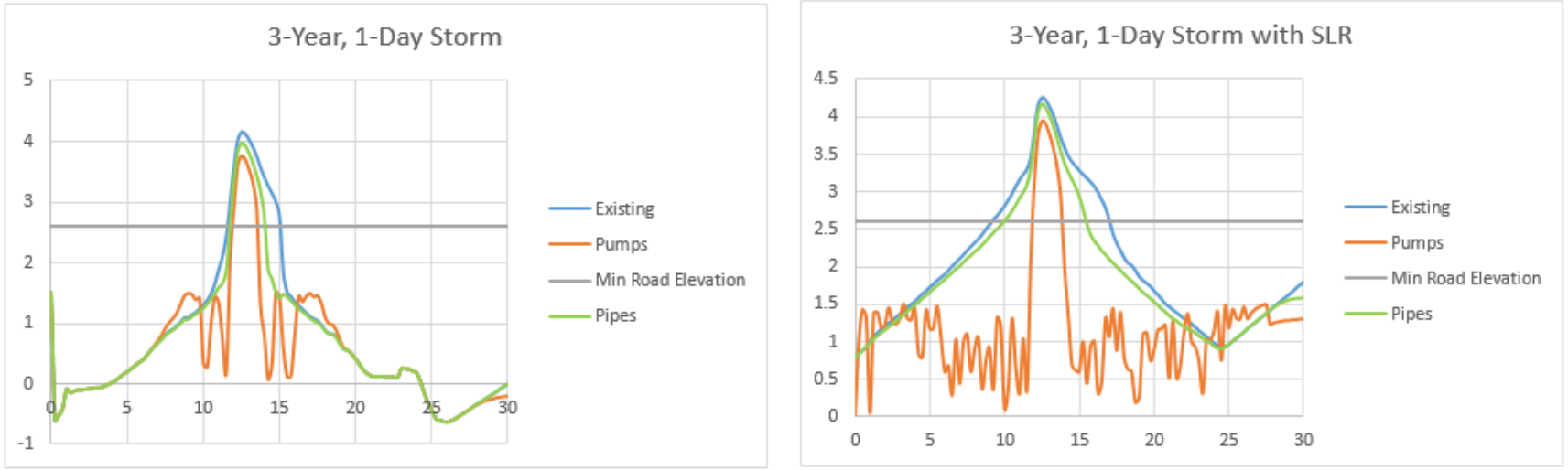


Figure 4-6: Basin E3 (Bel-Air South) 3-Year, 1-Day Storm: Time vs. Water Level Comparison

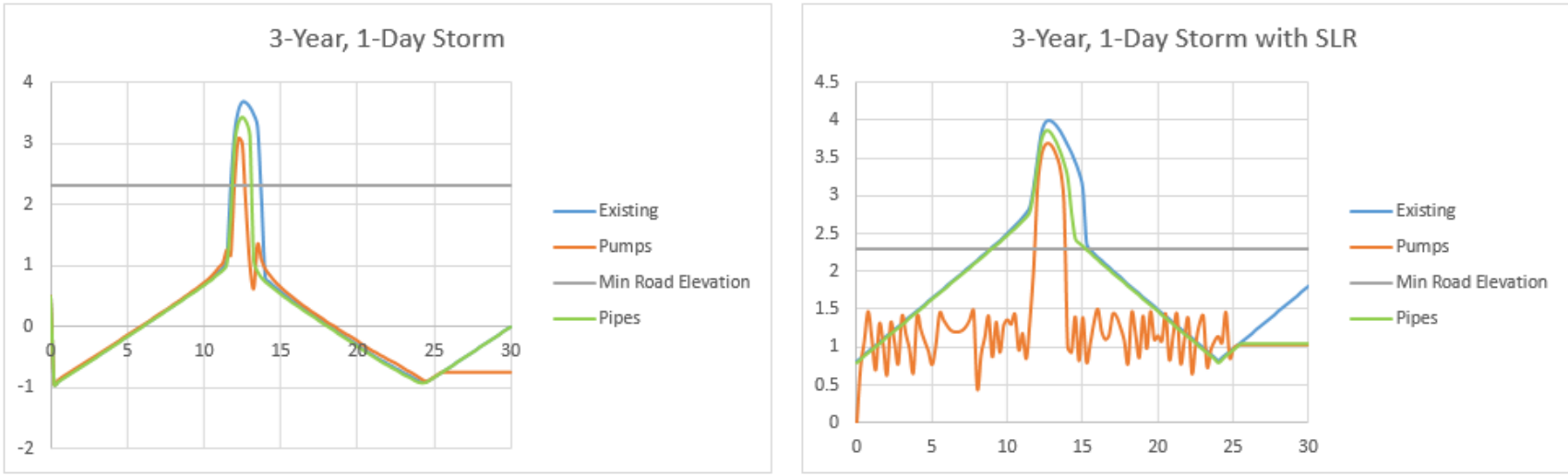


Figure 4-7: Basin L (Silver Shores North) 3-Year, 1-Day Storm: Time vs. Water Level Comparison

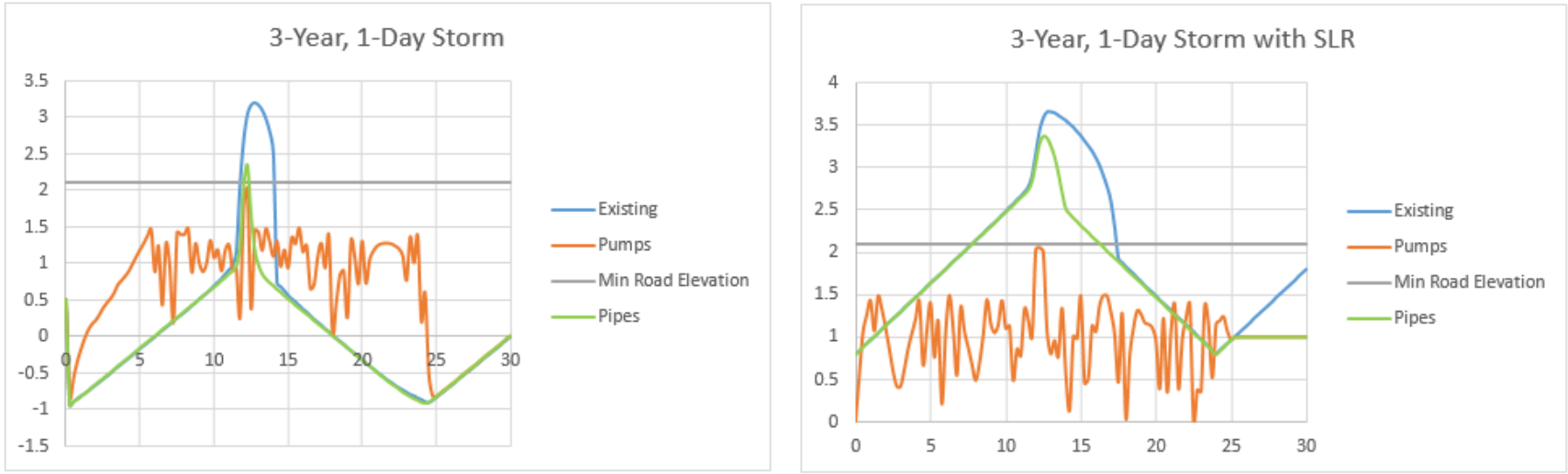


Figure 4-8: Basin P4 (Beverly Shores) 3-Year, 1-Day Storm: Time vs. Water Level Comparison

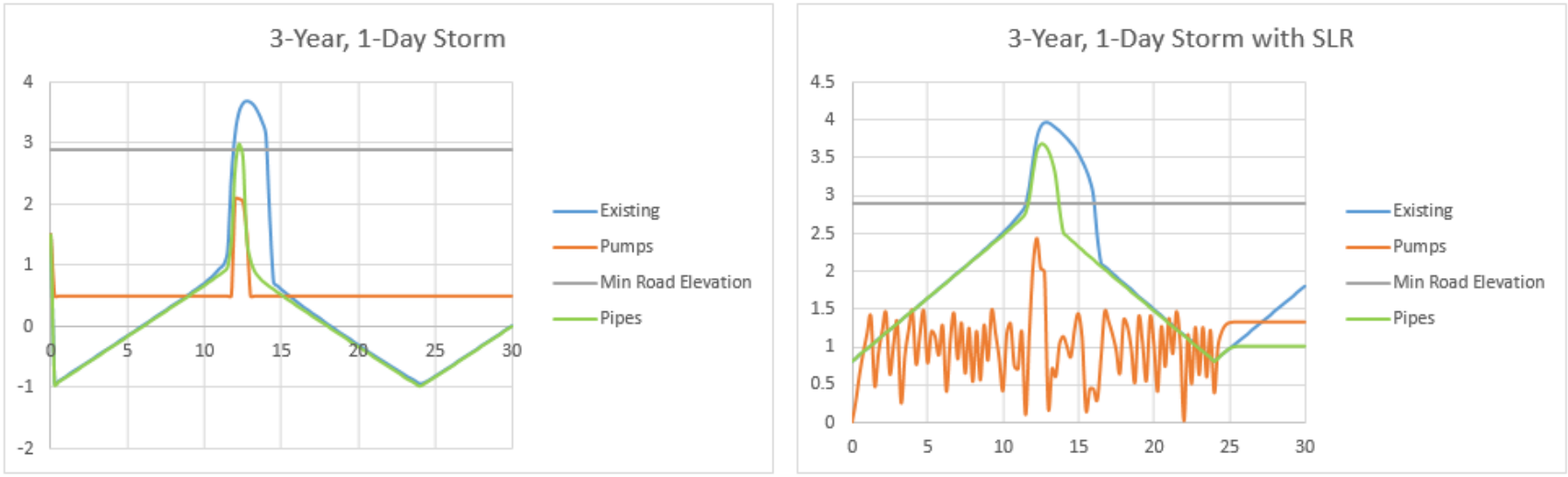


Figure 4-9: Basin U2 (Lauderdale Surf & Yacht) 3-Year, 1-Day Storm: Time vs. Water Level Comparison

Table 4-1: Flood Duration Reductions

Basin	A (Terra Mar)				E3 (Bel-Air South)				L (Silver Shores)				P4 (Beverly Shores)				U2 (Lauderdale Surf & Yacht)			
Storm Event	3-year, 1-day		25-year, 3-day		3-year, 1-day		25-year, 3-day		3-year, 1-day		25-year, 3-day		3-year, 1-day		25-year, 3-day		3-year, 1-day		25-year, 3-day	
Sea Level	2020	2060	2020	2060	2020	2060	2020	2060	2020	2060	2020	2060	2020	2060	2020	2060	2020	2060	2020	2060
Existing Conditions	26.5	26.5	74.5	74.5	3.5	8	7.25	20	2	6.5	3.75	20.25	2.25	9.5	5.25	28.5	2.25	4.5	4	7
10-Year CIP (hrs)	2	8.75	3	25.5	2.5	5.5	3.75	14.25	2	6.5	3.75	20.25	2.25	9.5	5.25	28.5	0.25	2	2	3.25
Percent Reduction	92%	67%	96%	66%	29%	31%	48%	29%	0%	0%	0%	0%	0%	0%	0%	0%	89%	56%	50%	54%
20-Year CIP (hrs)	0.75	1	1.75	3.25	1.75	2	2.5	3	1.25	6.25	2.75	19	0.25	8.25	2	25.25	0	0	2	2
Percent Reduction	97%	96%	98%	96%	50%	75%	66%	85%	38%	4%	27%	6%	89%	13%	62%	11%	100%	100%	50%	71%

Table 4-2: 25-Year Storm Peak Discharge rates (cfs)

Basin	Existing	Pipes	Pumps
A	137.7	131.7	126.1
E3	171.6	172.8	169.2
L	245.7	249.0	237.5
P4	36.5	37.7	36.5
U1	17.2	17.0	17.0
U2	39.4	36.8	34.5
U3	32.0	32.4	32.4
Total	**680.1**	**677.3**	**653.0**

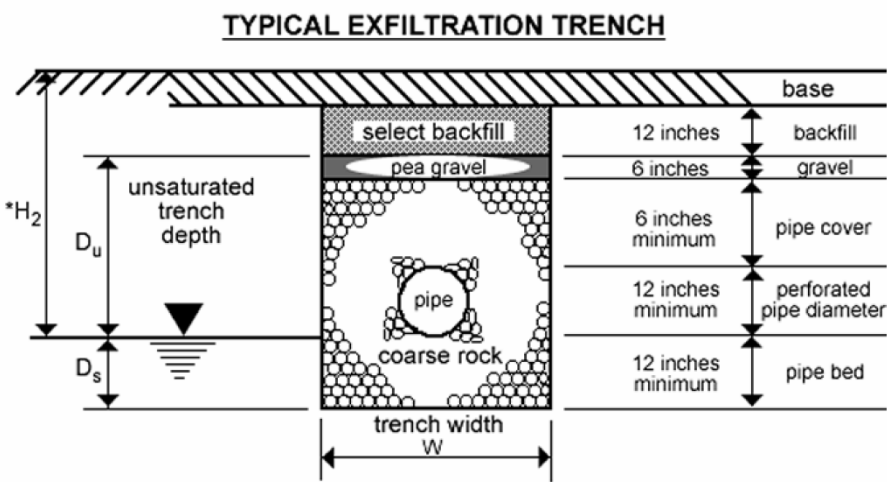
4.3 10-Year CIP Stormwater Improvements

For the Town's 10-Year (short-term) CIP budgetary projects, locations for proposed stormwater improvements were chosen based on the severity of the flooding with the goal of reducing flooding and increasing the Level of Service (LOS) of the Town's roadways. A 3-year, 1-day storm event was modeled for the proposed short-term improvements in order to increase the Town's LOS of the roadways. A 25-year, 3-day storm event was also implemented for the proposed short-term improvements in order to compare the pre- and post-stormwater discharge in order to confirm that the proposed improvements will meet permitting requirements.

The recommended 10-year CIP projects are shown in ***Figure 4-10*** and ***4-11*** for the northern and southern portions of the Town. The projects can be characterized in three ways as described below:

4.3.1 Exfiltration Trenches

The addition of exfiltration systems are recommended within upland roadways that are exhibiting trapped flow. These areas include El Mar Drive, Bougainvilla Drive and Poinsettia Street. The designs should include detailed survey to identify and fix areas where runoff is trapped and cannot flow to an inlet. The exfiltration trenches should be sized to exfiltrate the runoff volume generated by the 3-year 1-day storm event if physically possible. SFWMD's exfiltration formula should be utilized as shown below:



$$\text{Volume} = (L*(k*(H_2*W + 2*H_2*D_u - D_u^2 + 2*H_2*D_s) + (1.39 \times 10^{-4})*W*D_u))/FS$$

Note that the FS in the equation refers to Factor of Safety. This is typically set to 2 when sizing trenches for water quality purposes. However, a value of 1 can be used when sizing the trench for water quantity (storm events).

The northern portion of Bougainvilla Drive has already been redesigned with exfiltration trenches. El Mar Drive is currently in the conceptual stage of total redesign

4.3.2 Pipe Improvements

Pipe improvements in the low lying areas are recommended to improve drainage and for preparation of pump stations that are proposed in the long term CIP. Five basins were identified as being in need of improvements to reduce severe flooding; Basin A (Terra Mar), Basin E3 (Bel-Air South), Basin L (Silver Shores North), Basin P4 (Beverly Shores), and Basin U2 (Lauderdale Surf & Yacht). The 10-Year CIP includes four of these basins. Basin L is proposed on the 20-Year CIP because of the lower severity of flooding and timing of SLR impacts. There is, however, a new pipe and inlet proposed on Lombardy Avenue to drain a depressed area where significant flooding occurs.

The pipes will provide a benefit in terms of moderately lower flood stages and substantially shortened durations of street flooding and will be designed to function with future pump stations. Existing outfall pipes will remain with the exception of six outfall pipes that will be replaced with steel pipes that will ultimately serve as pump station discharge pipes designed to withstand higher pressures.

Over time, as SLR continues, a higher percentages of the flow will be handled by the pump stations. Therefore, it is necessary to plan for this redirection and consolidation of flow. Pump stations also need pipes that can deliver the water to the wet well without losing too much head, creating low water levels in the wet well that could lead to cavitation of the pumps. Upstream pipes have been conceptually sized and are included in the 10-year CIP recommendations

4.3.3 Backflow protection

The addition of inline check valves to protect communities from king tide flows backing up into the streets is recommended at some locations. Communities that are the most vulnerable to king tide flooding are included and are phased into both the 10-year and 20-year CIPs based on the severity and timing of SLR. Only town-owned outfall pipes were are recommended to be fitted with inline check valves. These valves can be installed within inlets, space permitting, that are at the upstream end of the outfall pipe, which make accessibility for maintenance easier than if installed at the downstream end of the pipe. WaPro, WaStop® or Tideflex Checkmate® inline check valves are recommended because of they operate under low head/pressure and are resistant to barnacle build-up. Valves that are needed where pump stations are ultimately proposed should include valves at the outlet of the outfall pipes to prevent a build-up of barnacles inside the pipes. Flap gates may also be considered at these locations.

4.3.1 10-Year CIP Project Schedule and Probable Construction Costs

The projects, as shown on ***Figure 4-10*** and ***4-11,*** were prioritized and an Engineer's Opinion of Probable Construction Costs was developed for each project. It should be noted that two of the projects have already been started. The Terra Mar drainage Improvements have been designed and will be constructed in 2021. The El Mar Drive Drainage Improvements is currently in the early stages of design as part of a large street-scaping project. ***Table 4-3*** shows a summary of the 10-Year CIP projects including the anticipated fiscal year and order of implementation which was based on the severity of the problems (with the exception of Terra Mar and El Mar). Individual cost estimates including unit prices and other anticipated costs are provided in ***Tables 4-4*** through ***4-10***. Costs were based on unit prices from recent similar projects are in Year 2020 dollars, and include a 30 percent contingency because of the conceptual nature of the project. El Mar Drive Drainage Improvements and Bougainvilla/Poinsettia Street Drainage Improvements project cost estimates include only the drainage aspects of those projects. Roadway or other utility improvements are not included. Engineering design, permitting, bidding, construction administration and inspection services are not included.

Table 4-3: 10-Year CIP Project Summary

FY	Project	Estimated Cost of Recommended Improvements	
2021	Project #1: Terra Mar Drainage Improvements (Basin A)	$	987,000
2021	Project #2: El Mar Drive Drainage Improvements	$	2,933,000
2022	Project #3: Lombardy Avenue Drainage Improvements	$	40,000
2023	Project #4: Check Valves	$	273,000
2025	Project #5: Bel-Air South Drainage Improvements (Basin E3)	$	574,000
2027	Project #6: Bougainvilla/Poinsettia Street Drainage Improvements	$	2,609,000
2029	Project #7: Lauderdale Surf and Yacht Drainage Improvements (Basin U2)	$	904,000
	Total:	**$**	**8,320,000**

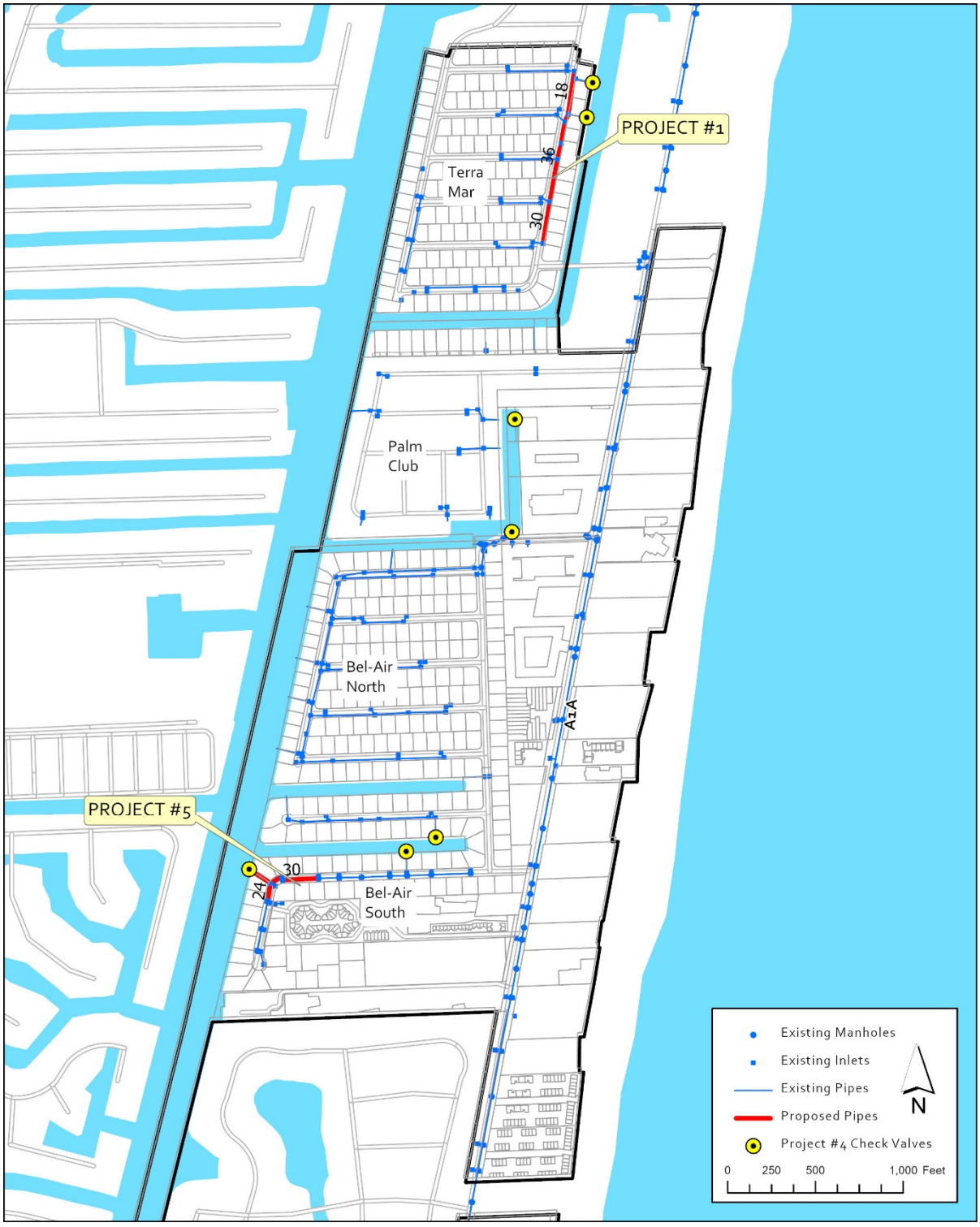


Figure 4-10: 10-Year CIP Projects – Northern Portion of Town of Lauderdale-By-The-Sea



Figure 4-11: 10-Year CIP Projects – Southern Portion of Town of Lauderdale-By-The-Sea

Table 4-4: Project 1 - Terra Mar Drainage Improvements (Basin A) Cost Estimate

	Estimated Quantity	Unit	Unit Price	Total
General				
General Conditions (5%)	1	LS	$ 29,000.00	$ 29,000.00
Mobilization (5%)	1	LS	$ 29,000.00	$ 29,000.00
Maintenance of Traffic (3%)	1	LS	$ 17,000.00	$ 17,000.00
Clearing and Misc. Site Work (3%)	1	LS	$ 17,000.00	$ 17,000.00
			Subtotal General:	$ 92,000.00
Drainage & Restoration				
Remove & Dispose Existing Drainage Pipe	265	LF	$ 45.00	$ 12,000.00
Remove & Dispose Existing Drainage Structure	3	EA	$ 1,200.00	$ 4,000.00
Type C Inlet	4	EA	$ 5,000.00	$ 20,000.00
5' Diameter Manhole	4	EA	$ 7,800.00	$ 32,000.00
6' Diameter Manhole	1	EA	$ 9,000.00	$ 9,000.00
15" RCP Drainage Pipe	196	LF	$ 115.00	$ 23,000.00
18" RCP Drainage Pipe	273	LF	$ 125.00	$ 35,000.00
30" RCP Drainage Pipe	276	LF	$ 145.00	$ 41,000.00
36" RCP Drainage Pipe	492	LF	$ 190.00	$ 94,000.00
Open-Cut Pavement Trench Repair	1,237	LF	$ 75.00	$ 93,000.00
Remove and Replace Unsuitable Material	1,200	CY	$ 50.00	$ 60,000.00
Dewatering	1	LS	$ 50,000.00	$ 50,000.00
Swale Regrading with Sod	1,000	SY	$ 9.00	$ 9,000.00
Roadway Mill and Overlay	3,578	SY	$ 16.00	$ 58,000.00
Driveway & Landscaping Restoration	1	LS	$ 25,000.00	$ 25,000.00
			Subtotal Drainage & Restoration:	$ 565,000.00
			Total Construction	**$ 657,000.00**
			Contingencies (30%)	$ 198,000.00
			Engineering Design and Construction Management (20%)	$ 132,000.00
			Total Cost:	**$ 987,000.00**

Note: Costs presented in this Engineer's Opinion of Probable Construction Cost Estimate are based on conceptual design (2020 dollars) assuming a competitive bidding process. The Engineer has no control over the Contractor's methods of determining prices, or over future market conditions. The Engineer cannot and does not guarantee that actual construction costs will not vary from this estimate.

Table 4-5: Project 2 - El Mar Drive Drainage Improvements Cost Estimate

	Estimated Quantity	Unit	Unit Price	Total
General				
General Conditions (5%)	1	LS	$ 85,000.00	$ 85,000.00
Mobilization (5%)	1	LS	$ 85,000.00	$ 85,000.00
Maintenance of Traffic (3%)	1	LS	$ 51,000.00	$ 51,000.00
Clearing and Misc. Site Work (3%)	1	LS	$ 51,000.00	$ 51,000.00
			Subtotal General:	$ 272,000.00
Drainage & Restoration				
Remove & Dispose Existing Drainage Pipe	850	LF	$ 45.00	$ 39,000.00
Remove & Dispose Existing Drainage Structure	40	EA	$ 1,200.00	$ 48,000.00
Type C Inlet	44	EA	$ 5,000.00	$ 220,000.00
5' Diameter Manhole	18	EA	$ 7,800.00	$ 141,000.00
6' Diameter Manhole	6	EA	$ 9,000.00	$ 54,000.00
15" RCP Drainage Pipe	420	LF	$ 115.00	$ 49,000.00
18" RCP Drainage Pipe	300	LF	$ 125.00	$ 38,000.00
24" Exfiltration Trench	3,200	LF	$ 250.00	$ 800,000.00
Open-Cut Pavement Trench Repair	3,920	LF	$ 75.00	$ 294,000.00
			Subtotal Drainage & Restoration:	$ 1,683,000.00
			Total Construction	**$ 1,955,000.00**
			Contingencies (30%)	$ 587,000.00
			Engineering Design and Construction Management (20%)	$ 391,000.00
			Total Cost:	**$ 2,933,000.00**

Note: Costs presented in this Engineer's Opinion of Probable Construction Cost Estimate are based on conceptual design (2020 dollars) assuming a competitive bidding process. The Engineer has no control over the Contractor's methods of determining prices, or over future market conditions. The Engineer cannot and does not guarantee that actual construction costs will not vary from this estimate.

Table 4-6: Project 3 - Lombardy Avenue Drainage Improvements Cost Estimate

	Estimated Quantity	Unit	Unit Price		Total
General					
General Conditions (5%)	1	LS	$ 1,000.00	$	1,000.00
Mobilization (5%)	1	LS	$ 1,000.00	$	1,000.00
Maintenance of Traffic (3%)	1	LS	$ 1,000.00	$	1,000.00
Clearing and Misc. Site Work (3%)	1	LS	$ 1,000.00	$	1,000.00
			Subtotal General:	$	4,000.00
Drainage & Restoration					
Type C Inlet	1	EA	$ 5,000.00	$	5,000.00
4' Diameter Manhole	1	EA	$ 6,800.00	$	7,000.00
15" RCP Drainage Pipe	25	LF	$ 115.00	$	3,000.00
Connect Existing Pipes	1	LS	$ 1,600.00	$	2,000.00
Open-Cut Pavement Trench Repair	20	LF	$ 75.00	$	2,000.00
Dewatering	1	LS	$ 3,000.00	$	3,000.00
			Subtotal Drainage & Restoration:	$	22,000.00
			Total Construction	**$**	**26,000.00**
			Contingencies (30%)	$	8,000.00
			Engineering Design and Construction Management (20%)	$	6,000.00
			Total Cost:	**$**	**40,000.00**

Note: Costs presented in this Engineer's Opinion of Probable Construction Cost Estimate are based on conceptual design (2020 dollars) assuming a competitive bidding process. The Engineer has no control over the Contractor's methods of determining prices, or over future market conditions. The Engineer cannot and does not guarantee that actual construction costs will not vary from this estimate.

Table 4-7: Project 4 – Phase 1 Check Valve Cost Estimate

	Estimated Quantity	Unit	Unit Price		Total
General					
General Conditions (5%)	1	LS	$ 8,000.00	$	8,000.00
Mobilization (5%)	1	LS	$ 8,000.00	$	8,000.00
Maintenance of Traffic (3%)	1	LS	$ 5,000.00	$	5,000.00
			Subtotal General:	$	21,000.00
Drainage					
6" Inline Check Valve	1	EA	$ 6,000.00	$	6,000.00
12" Inline Check Valve	3	EA	$ 9,000.00	$	27,000.00
15" Inline Check Valve	3	EA	$ 13,000.00	$	39,000.00
24" Inline Check Valve	4	EA	$ 22,000.00	$	88,000.00
			Subtotal Drainage & Restoration:	$	160,000.00
Total Construction				**$**	**181,000.00**
Contingencies (30%)				$	55,000.00
Engineering Design and Construction Management (20%)				$	37,000.00
Total Cost:				**$**	**273,000.00**

Note: Costs presented in this Engineer's Opinion of Probable Construction Cost Estimate are based on conceptual design (2020 dollars) assuming a competitive bidding process. The Engineer has no control over the Contractor's methods of determining prices, or over future market conditions. The Engineer cannot and does not guarantee that actual construction costs will not vary from this estimate.

Table 4-8: Project 5 - Bel-Air South Drainage Improvements (Basin E3) Cost Estimate

	Estimated Quantity	Unit	Unit Price	Total
General				
General Conditions (5%)	1	LS	$ 34,000.00	$ 34,000.00
Mobilization (5%)	1	LS	$ 34,000.00	$ 34,000.00
Maintenance of Traffic (3%)	1	LS	$ 21,000.00	$ 21,000.00
Clearing and Misc. Site Work (3%)	1	LS	$ 21,000.00	$ 21,000.00
			Subtotal General:	$ 110,000.00
Drainage & Restoration				
Remove & Dispose Existing Drainage Pipe	1,340	LF	$ 45.00	$ 61,000.00
Remove & Dispose Existing Drainage Structure	7	EA	$ 1,200.00	$ 9,000.00
Type C Inlet	9	EA	$ 5,000.00	$ 45,000.00
5' Diameter Manhole	6	EA	$ 7,800.00	$ 47,000.00
6' Diameter Manhole	3	EA	$ 8,600.00	$ 26,000.00
15" RCP Drainage Pipe	200	LF	$ 115.00	$ 23,000.00
24" RCP Drainage Pipe	450	LF	$ 130.00	$ 59,000.00
30" RCP Drainage Pipe	850	LF	$ 145.00	$ 124,000.00
24" Steel Pipe	158	LF	$ 275.00	$ 44,000.00
Seawall/Shoreline Repair	1	LS	$ 14,000.00	$ 14,000.00
Open-Cut Pavement Trench Repair	1,300	LF	$ 75.00	$ 98,000.00
Dewatering	1	LS	$ 25,000.00	$ 25,000.00
Swale Regrading with Sod	1,000	SY	$ 9.00	$ 9,000.00
Roadway Mill and Overlay	3,578	SY	$ 16.00	$ 58,000.00
Driveway & Landscaping Restoration	1	LS	$ 25,000.00	$ 25,000.00
			Subtotal Drainage & Restoration:	$ 667,000.00
			Total Construction	**$ 777,000.00**
			Contingencies (30%)	$ 234,000.00
			Engineering Design and Construction Management (20%)	$ 156,000.00
			Total Cost:	**$ 1,167,000.00**

Note: Costs presented in this Engineer's Opinion of Probable Construction Cost Estimate are based on conceptual design (2020 dollars) assuming a competitive bidding process. The Engineer has no control over the Contractor's methods of determining prices, or over future market conditions. The Engineer cannot and does not guarantee that actual construction costs will not vary from this estimate.

Table 4-9: Project 6 – Bourgainvilla/Poinsettia Drainage Improvements Cost Estimate

	Estimated Quantity	Unit	Unit Price	Total
General				
General Conditions (5%)	1	LS	$ 75,000.00	$ 75,000.00
Mobilization (5%)	1	LS	$ 75,000.00	$ 75,000.00
Maintenance of Traffic (3%)	1	LS	$ 45,000.00	$ 45,000.00
Clearing and Misc. Site Work (3%)	1	LS	$ 45,000.00	$ 45,000.00
			Subtotal General:	$ 240,000.00
Drainage & Restoration				
Remove & Dispose Existing Drainage Pipe	790	LF	$ 45.00	$ 36,000.00
Remove & Dispose Existing Drainage Structure	38	EA	$ 1,200.00	$ 46,000.00
Type C Inlet	39	EA	$ 5,000.00	$ 195,000.00
5' Diameter Manhole	16	EA	$ 7,800.00	$ 125,000.00
6' Diameter Manhole	6	EA	$ 9,000.00	$ 54,000.00
15" RCP Drainage Pipe	420	LF	$ 115.00	$ 49,000.00
18" RCP Drainage Pipe	260	LF	$ 125.00	$ 33,000.00
24" Exfiltration Trench	2,800	LF	$ 250.00	$ 700,000.00
Open-Cut Pavement Trench Repair	3,480	LF	$ 75.00	$ 261,000.00
			Subtotal Drainage & Restoration:	$ 1,499,000.00
			Total Construction	**$ 1,739,000.00**
			Contingencies (30%)	$ 522,000.00
			Engineering Design and Construction Management (20%)	$ 348,000.00
			Total Cost:	**$ 2,609,000.00**

Note: Costs presented in this Engineer's Opinion of Probable Construction Cost Estimate are based on conceptual design (2020 dollars) assuming a competitive bidding process. The Engineer has no control over the Contractor's methods of determining prices, or over future market conditions. The Engineer cannot and does not guarantee that actual construction costs will not vary from this estimate.

Table 4-10: Project 7 – Lauderdale Surf & Yacht Drainage Improvements (Basin U2) Cost Estimate

	Estimated Quantity	Unit	Unit Price	Total
General				
General Conditions (5%)	1	LS	$ 26,000.00	$ 26,000.00
Mobilization (5%)	1	LS	$ 26,000.00	$ 26,000.00
Maintenance of Traffic (6%)	1	LS	$ 31,000.00	$ 31,000.00
Clearing and Misc. Site Work (3%)	1	LS	$ 16,000.00	$ 16,000.00
			Subtotal General:	$ 99,000.00
Drainage & Restoration				
Remove & Dispose Existing Drainage Pipe	180	LF	$ 45.00	$ 9,000.00
Remove & Dispose Existing Drainage Structure	4	EA	$ 1,200.00	$ 5,000.00
Type C Inlet	7	EA	$ 5,000.00	$ 35,000.00
5' Diameter Manhole	4	EA	$ 7,800.00	$ 32,000.00
15" RCP Drainage Pipe	200	LF	$ 115.00	$ 23,000.00
18" RCP Drainage Pipe	650	LF	$ 125.00	$ 82,000.00
24" RCP Drainage Pipe	741	LF	$ 130.00	$ 97,000.00
24" Steel Pipe	180	LF	$ 275.00	$ 50,000.00
Seawall/Shoreline Repair	1	LS	$ 14,000.00	$ 14,000.00
Open-Cut Pavement Trench Repair	741	LF	$ 75.00	$ 56,000.00
Dewatering	1	LS	$ 18,000.00	$ 18,000.00
Swale Regrading with Sod	700	SY	$ 9.00	$ 7,000.00
Roadway Mill and Overlay	3,555	SY	$ 16.00	$ 57,000.00
Driveway & Landscaping Restoration	1	LS	$ 18,000.00	$ 18,000.00
			Subtotal Drainage & Restoration:	$ 503,000.00
			Total Construction	**$ 602,000.00**
			Contingencies (30%)	$ 181,000.00
			Engineering Design and Construction Management (20%)	$ 121,000.00
			Total Cost:	**$ 904,000.00**

Note: Costs presented in this Engineer's Opinion of Probable Construction Cost Estimate are based on conceptual design (2020 dollars) assuming a competitive bidding process. The Engineer has no control over the Contractor's methods of determining prices, or over future market conditions. The Engineer cannot and does not guarantee that actual construction costs will not vary from this estimate.

4.4 20-Year CIP Stormwater Improvements

The recommended 20-Year (long-term) CIP budgetary projects are, primarily, a continuation of the projects started in the 10-Year CIP. Most of the projects include pump stations to accompany the pipe improvements recommended in the 10-Year CIP. A continuation of the check valve installations is also recommended. The first project, however, is a pipe improvement project, Silver Shores, which will begin experiencing adverse impacts from SLR by the 2030s. Refer to ***Table 4-11***.

A total of six projects are proposed including five stormwater pump stations. An additional project is proposed beyond the 20-year long-term projects. The project is the continuation of the Silver Shores pipe improvements by installing two pump stations. Based on the modeling, the schedule for these pump stations can be extended beyond the 20-year window. However, the results of 2060 SLR model scenario suggests that the pumps will eventually be needed.

A 3-year, 1-day storm event was modeled for the proposed long-term improvements in order to increase the Town's LOS of the roadways. A 25-year, 3-day storm event was also implemented for the proposed pump station improvements in order to compare the pre- and post-stormwater discharge in order to confirm that the proposed improvements will meet permitting requirements.

4.4.1 20-Year CIP Project Schedule and Probable Construction Costs

The projects, as shown on ***Figures 4-12 and 4-13,*** were prioritized and an Engineer's Opinion of Probable Construction Costs was developed for each project. ***Table 4-11*** shows a summary of the 10-Year CIP projects including the anticipated fiscal year and order of implementation which was based on the severity of the problems (with the exception of Terra Mar and El Mar). Individual cost estimates including unit prices and other anticipated costs are provided in ***Tables 4-12*** through ***4-17***. Costs were based on unit prices from recent similar projects with a 30 percent contingency because of the conceptual nature of the project. As mentioned, the addition of pump stations to Silver Shores is not included in the 20-Year CIP, but will eventually be needed (after 2040). ***Table 4-18*** includes the associated probable construction cost and is provided for informational purposes.

Table 4-11: 20-Year CIP Project Summary

FY	Project		Estimated Cost of Recommended Improvements
2030	Project #1: Silver Shores Drainage Improvements (Basin L)	$	1,662,000
2032	Project #2: Terra Mar Pump Station (Basin A)	$	2,823,000
2034	Project #3: Beverly Shores Drainage Improvements (Basin P4)	$	578,000
2035	Project #4: Check Valves	$	487,000
2037	Project #5: Bel-Air South Pump Station (Basin E3)	$	2,823,000
2039	Project #6: Lauderdale Surf & Yacht Pump Station (Basin U2)	$	1,722,000
		Total $	**10,095,000**

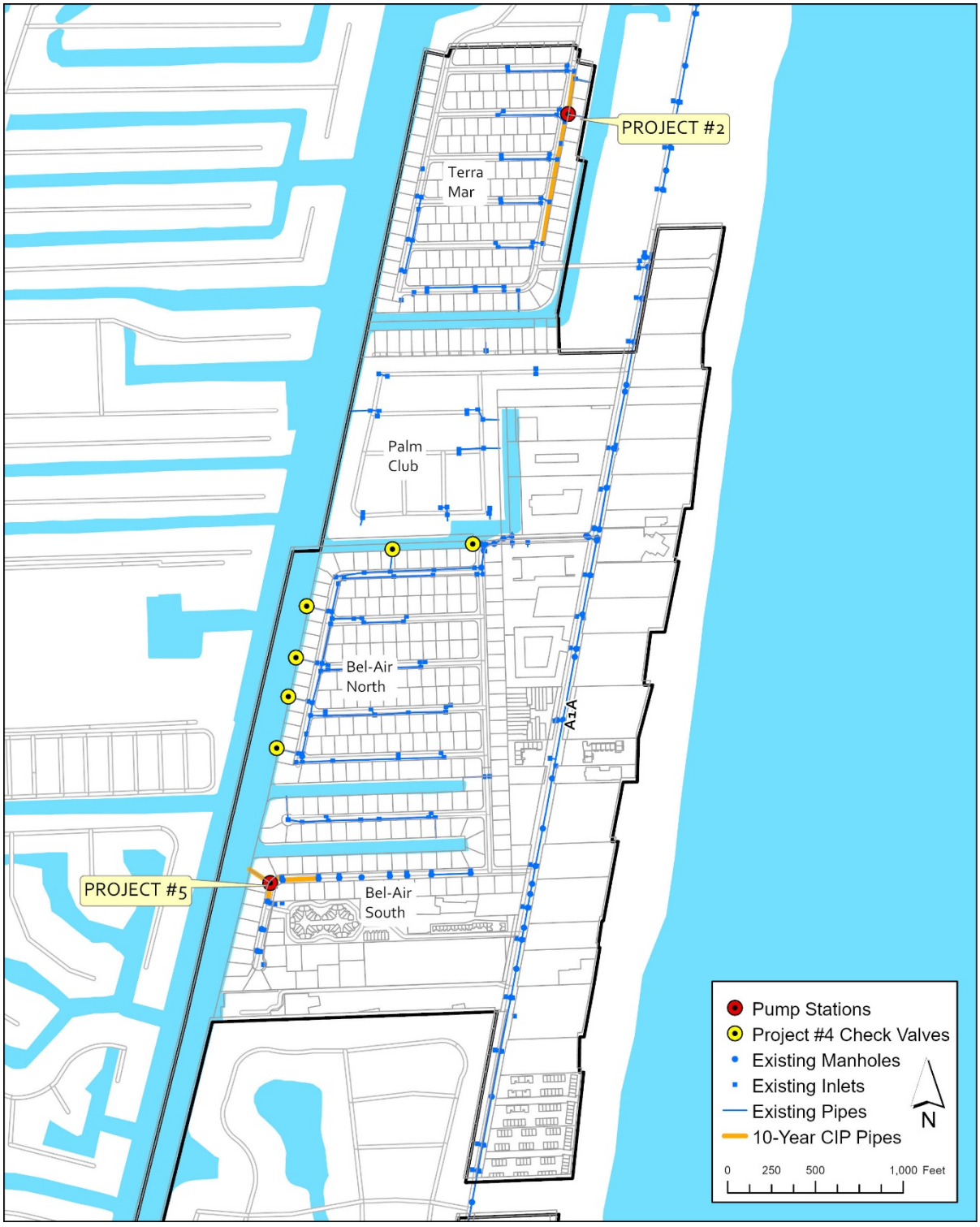


Figure 4-12: 20-Year CIP Projects – Northern Portion of Town of Lauderdale-By-The-Sea



Figure 4-13: 20-Year CIP Projects – Southern Portion of Town of Lauderdale-By-The-Sea

Table 4-12: Project 1 – Silver Shores Drainage Improvements (Basin L) Cost Estimate

	Estimated Quantity	Unit	Unit Price	Total
General				
General Conditions (5%)	1	LS	$ 48,000.00	$ 48,000.00
Mobilization (5%)	1	LS	$ 48,000.00	$ 48,000.00
Maintenance of Traffic (3%)	1	LS	$ 29,000.00	$ 29,000.00
Clearing and Misc. Site Work (3%)	1	LS	$ 29,000.00	$ 29,000.00
			Subtotal General:	$ 154,000.00
Drainage & Restoration				
Remove & Dispose Existing Drainage Pipe	1,340	LF	$ 45.00	$ 61,000.00
Remove & Dispose Existing Drainage Structure	7	EA	$ 1,200.00	$ 9,000.00
Type C Inlet	11	EA	$ 5,000.00	$ 55,000.00
5' Diameter Manhole	6	EA	$ 7,800.00	$ 47,000.00
15" RCP Drainage Pipe	200	LF	$ 115.00	$ 23,000.00
18" RCP Drainage Pipe	490	LF	$ 125.00	$ 62,000.00
24" RCP Drainage Pipe	1,869	LF	$ 130.00	$ 243,000.00
24" Steel Pipe	158	LF	$ 350.00	$ 56,000.00
Seawall/Shoreline Repair	2	LS	$ 14,000.00	$ 28,000.00
Open-Cut Pavement Trench Repair	2,359	LF	$ 75.00	$ 177,000.00
Dewatering	1	LS	$ 45,000.00	$ 45,000.00
Swale Regrading with Sod	1,600	SY	$ 9.00	$ 15,000.00
Roadway Mill and Overlay	6,029	SY	$ 16.00	$ 97,000.00
Driveway & Landscaping Restoration	1	LS	$ 35,000.00	$ 35,000.00
			Subtotal Drainage & Restoration:	$ 953,000.00
			Total Construction	**$ 1,107,000.00**
			Contingencies (30%)	$ 333,000.00
			Engineering Design and Construction Management (20%)	$ 222,000.00
			Total Cost:	**$ 1,662,000.00**

Note: Costs presented in this Engineer's Opinion of Probable Construction Cost Estimate are based on conceptual design (2020 dollars) assuming a competitive bidding process. The Engineer has no control over the Contractor's methods of determining prices, or over future market conditions. The Engineer cannot and does not guarantee that actual construction costs will not vary from this estimate.

Table 4-13: Project 2 – Terra Mar Pump Station (Basin A) Cost Estimate

	Estimated Quantity	Unit	Unit Price		Total
General					
General Conditions (5%)	1	LS	$ 86,000.00	$	86,000.00
Mobilization (2.5%)	1	LS	$ 43,000.00	$	43,000.00
Maintenance of Traffic	1	LF	$ 5,000.00	$	5,000.00
Clearing and Misc. Site Work (2.5%)	1	LS	$ 43,000.00	$	43,000.00
			Subtotal General:	$	177,000.00
Drainage & Restoration					
Dewatering	1	LS	$ 12,000.00	$	12,000.00
Connect to Existing Drainage Facilities	1	LS	$ 8,000.00	$	8,000.00
Stormwater Pump Station	22,442	GPM	$ 75.00	$	1,684,000.00
			Subtotal Drainage & Restoration:	$	1,704,000.00
			Total Construction	**$**	**1,881,000.00**
			Contingencies (30%)	$	565,000.00
			Engineering Design and Construction Management (20%)	$	377,000.00
			Total Cost:	**$**	**2,823,000.00**

Table 4-14: Project 3 – Beverly Shores Drainage Improvements (Basin P4) Cost Estimate

	Estimated Quantity	Unit	Unit Price		Total
General					
General Conditions (5%)	1	LS	$ 17,000.00	$	17,000.00
Mobilization (5%)	1	LS	$ 17,000.00	$	17,000.00
Maintenance of Traffic (3%)	1	LS	$ 10,000.00	$	10,000.00
Clearing and Misc. Site Work (3%)	1	LS	$ 10,000.00	$	10,000.00
			Subtotal General:	$	54,000.00
Drainage & Restoration					
Remove & Dispose Existing Drainage Pipe	641	LF	$ 45.00	$	29,000.00
Remove & Dispose Existing Drainage Structure	3	EA	$ 1,200.00	$	4,000.00
Type C Inlet	3	EA	$ 5,000.00	$	15,000.00
5' Diameter Manhole	1	EA	$ 7,800.00	$	8,000.00
15" RCP Drainage Pipe	100	LF	$ 115.00	$	12,000.00
24" RCP Drainage Pipe	641	LF	$ 130.00	$	84,000.00
24" Steel Pipe	180	LF	$ 275.00	$	50,000.00
Seawall/Shoreline Repair	1	LS	$ 14,000.00	$	14,000.00
Open-Cut Pavement Trench Repair	641	LF	$ 75.00	$	49,000.00
Dewatering	1	LS	$ 18,000.00	$	18,000.00
Swale Regrading with Sod	700	SY	$ 9.00	$	7,000.00
Roadway Mill and Overlay	1,638	SY	$ 16.00	$	27,000.00
Driveway & Landscaping Restoration	1	LS	$ 14,000.00	$	14,000.00
			Subtotal Drainage & Restoration:	$	331,000.00
			Total Construction	**$**	**385,000.00**
			Contingencies (30%)	$	116,000.00
			Engineering Design and Construction Management (20%)	$	77,000.00
			Total Cost:	**$**	**578,000.00**

Note: Costs presented in this Engineer's Opinion of Probable Construction Cost Estimate are based on conceptual design (2020 dollars) assuming a competitive bidding process. The Engineer has no control over the Contractor's methods of determining prices, or over future market conditions. The Engineer cannot and does not guarantee that actual construction costs will not vary from this estimate.

Table 4-15: Project 4 – Phase 2 Check Valve Cost Estimate

	Estimated Quantity	Unit	Unit Price	Total
General				
General Conditions (5%)	1	LS	$ 15,000.00	$ 15,000.00
Mobilization (5%)	1	LS	$ 15,000.00	$ 15,000.00
Maintenance of Traffic (3%)	1	LS	$ 9,000.00	$ 9,000.00
			Subtotal General:	$ 39,000.00
Drainage				
12" Inline Check Valve	6	EA	$ 9,000.00	$ 54,000.00
15" Inline Check Valve	7	EA	$ 13,000.00	$ 91,000.00
24" Inline Check Valve	5	EA	$ 22,000.00	$ 110,000.00
30" Inline Check Valve	1	EA	$ 30,000.00	$ 30,000.00
			Subtotal Drainage & Restoration:	$ 285,000.00
Total Construction				**$ 324,000.00**
Contingencies (30%)				$ 98,000.00
Engineering Design and Construction Management (20%)				$ 65,000.00
Total Cost:				**$ 487,000.00**

Table 4-16: Project 5 – Bel-Air South Pump Station (Basin E3) Cost Estimate

	Estimated Quantity	Unit	Unit Price	Total
General				
General Conditions (5%)	1	LS	$ 86,000.00	$ 86,000.00
Mobilization (2.5%)	1	LS	$ 43,000.00	$ 43,000.00
Maintenance of Traffic	1	LS	$ 5,000.00	$ 5,000.00
Clearing and Misc. Site Work (2.5%)	1	LS	$ 43,000.00	$ 43,000.00
			Subtotal General:	$ 177,000.00
Drainage & Restoration				
Dewatering	1	LS	$ 12,000.00	$ 12,000.00
Connect to Existing Drainage Facilities	1	LS	$ 8,000.00	$ 8,000.00
Stormwater Pump Station	22,442	GPM	$ 75.00	$ 1,684,000.00
			Subtotal Drainage & Restoration:	$ 1,704,000.00
Total Construction				**$ 1,881,000.00**
Contingencies (30%)				$ 565,000.00
Engineering Design and Construction Management (20%)				$ 377,000.00
Total Cost:				**$ 2,823,000.00**

Note: Costs presented in this Engineer's Opinion of Probable Construction Cost Estimate are based on conceptual design (2020 dollars) assuming a competitive bidding process. The Engineer has no control over the Contractor's methods of determining prices, or over future market conditions. The Engineer cannot and does not guarantee that actual construction costs will not vary from this estimate.

Table 4-17: Project 6 – Lauderdale Surf & Yacht Pump Station (Basin U2) Cost Estimate

	Estimated Quantity	Unit	Unit Price	Total
General				
General Conditions (5%)	1	LS	$ 52,000.00	$ 52,000.00
Mobilization (2.5%)	1	LS	$ 26,000.00	$ 26,000.00
Maintenance of Traffic	1	LS	$ 5,000.00	$ 5,000.00
Clearing and Misc. Site Work (2.5%)	1	LS	$ 26,000.00	$ 26,000.00
			Subtotal General:	$ 109,000.00
Drainage & Restoration				
Dewatering	1	LS	$ 20,000.00	$ 20,000.00
Connect to Existing Drainage Facilities	1	LS	$ 8,000.00	$ 8,000.00
Stormwater Pump Station No. 1	13,465	GPM	$ 75.00	$ 1,010,000.00
			Subtotal Drainage & Restoration:	$ 1,038,000.00
Total Construction				**$ 1,147,000.00**
Contingencies (30%)				$ 345,000.00
Engineering Design and Construction Management (20%)				$ 230,000.00
Total Cost:				**$ 1,722,000.00**

Table 4-18: Beyond 20-Year CIP – Silver Shores Pump Stations (Basin L) Cost Estimate

	Estimated Quantity	Unit	Unit Price	Total
General				
General Conditions (5%)	1	LS	$137,000.00	$ 137,000.00
Mobilization (2.5%)	1	LS	$ 69,000.00	$ 69,000.00
Maintenance of Traffic	1	LS	$ 10,000.00	$ 10,000.00
Clearing and Misc. Site Work (2.5%)	1	LS	$ 69,000.00	$ 69,000.00
			Subtotal General:	$ 285,000.00
Drainage & Restoration				
Dewatering	1	LS	$ 20,000.00	$ 20,000.00
Connect to Existing Drainage Facilities	1	LS	$ 8,000.00	$ 8,000.00
Stormwater Pump Station No. 1	17,954	GPM	$ 75.00	$ 1,347,000.00
Stormwater Pump Station No. 2	17,954	GPM	$ 75.00	$ 1,347,000.00
			Subtotal Drainage & Restoration:	$ 2,722,000.00
Total Construction				**$ 3,007,000.00**
Contingencies (30%)				$ 903,000.00
Engineering Design and Construction Management (20%)				$ 602,000.00
Total Cost:				**$ 4,512,000.00**

Note: Costs presented in this Engineer's Opinion of Probable Construction Cost Estimate are based on conceptual design (2020 dollars) assuming a competitive bidding process. The Engineer has no control over the Contractor's methods of determining prices, or over future market conditions. The Engineer cannot and does not guarantee that actual construction costs will not vary from this estimate.

Table 4-19: Beyond 20-Year CIP – Beverly Shores Pump Stations (Basin L) Cost Estimate

	Estimated Quantity	Unit	Unit Price		Total
General					
General Conditions (5%)	1	LS	$ 86,000.00	$	86,000.00
Mobilization (2.5%)	1	LS	$ 43,000.00	$	43,000.00
Maintenance of Traffic	1	LS	$ 5,000.00	$	5,000.00
Clearing and Misc. Site Work (2.5%)	1	LS	$ 43,000.00	$	43,000.00
			Subtotal General:	$	177,000.00
Drainage & Restoration					
Dewatering	1	LS	$ 20,000.00	$	20,000.00
Connect to Existing Drainage Facilities	1	LS	$ 8,000.00	$	8,000.00
Stormwater Pump Station No. 1	22,442	GPM	$ 75.00	$	1,684,000.00
			Subtotal Drainage & Restoration:	$	1,712,000.00
Total Construction				**$**	**1,889,000.00**
Contingencies (30%)				$	567,000.00
Engineering Design and Construction Management (20%)				$	378,000.00
Total Cost:				**$**	**2,834,000.00**

Note: Costs presented in this Engineer's Opinion of Probable Construction Cost Estimate are based on conceptual design (2020 dollars) assuming a competitive bidding process. The Engineer has no control over the Contractor's methods of determining prices, or over future market conditions. The Engineer cannot and does not guarantee that actual construction costs will not vary from this estimate.

Section 5 Operation and Maintenance

5.1 Introduction

Operation and maintenance (O&M) is a key element for any utility including stormwater. Swales, outfalls, pipes and structures (manholes/inlets) need periodic replacement or cleaning. The Master Plan Update upholds the recommendations provided the Town's 2010 Stormwater Master Plan. The components of Town's current O&M are described below with anticipated annual expenditures which have been updated.

5.1.1 Swale Restoration Program

Grass swale areas within the right-of-way are intended to collect stormwater runoff from adjacent roadways, to provide water quality treatment by filtering pollutants and sediments carried by the stormwater runoff, and to control flooding by providing stormwater storage volume and allow stormwater to infiltrate into the ground surface. The majority of residential properties within the Town, especially on west side, have grass swale areas located within the right-of-way areas adjacent to the roadways. These grass swales areas were intended to be the primary component of the stormwater management system.

Many of the grass swales are overgrown and overbuilt throughout the Town's residential neighborhoods, which causes ponding within roadway areas during rainfall events. This can happen if the swales were not originally constructed properly, if the resident modifies the swale by adding landscape features, or if sediment builds up within the swale over time. Typically, the center of the grass swale areas should be 3 to 6 inches deeper than the edge of pavement elevation. An overbuilt swale will block stormwater runoff from flowing off the roadway areas, which can create ponding within the travel lanes. The overbuilt swale can also prevent stormwater runoff from reaching drainage inlets by trapping it in low lying areas, such as driveway approaches.

The most cost effective method of reducing flooding within the roadway areas is to regrade grass swale areas within the right-of-way areas to provide additional storage volume for stormwater runoff. The regrading of the grass swales will increase the depth of swale areas to provide additional storage volume. Since the regraded grass swale areas will now be at a lower elevation than the adjacent roadway, stormwater runoff will flow from the roadway and accumulate in the swale areas to infiltrate into ground surface. Based on the soil conditions within the Town, the stormwater runoff from these residential roadways can be expected to infiltrate into the ground surface within 6 hours if the swale area is properly graded. Properly graded grass swale areas will reduce the flooding of roadway areas by providing additional storage capacity and reducing the total discharge from the existing outfalls by allowing for infiltration into the ground surface.

As recommended in the 2010 Master Plan, the Town should implement an annual swale program to systematically regrade grass swale areas within the residential neighborhoods to address localized ponding issues by providing additional storage volume for stormwater

runoff adjacent to the roadway. The Swale Restoration Program will need to rehabilitate swales throughout entire neighborhoods since restoration of isolated swales will not be sufficient to resolve flooding issues. In order for the Swale Restoration Program to be effective, all non-essential items will need to be removed from the public right-of-way to allow the existing swales excavated to be 3 to 6 inches deeper than the edge of pavement elevation. Upon completion of the grading operation, the swale area should be immediately re-sodded.

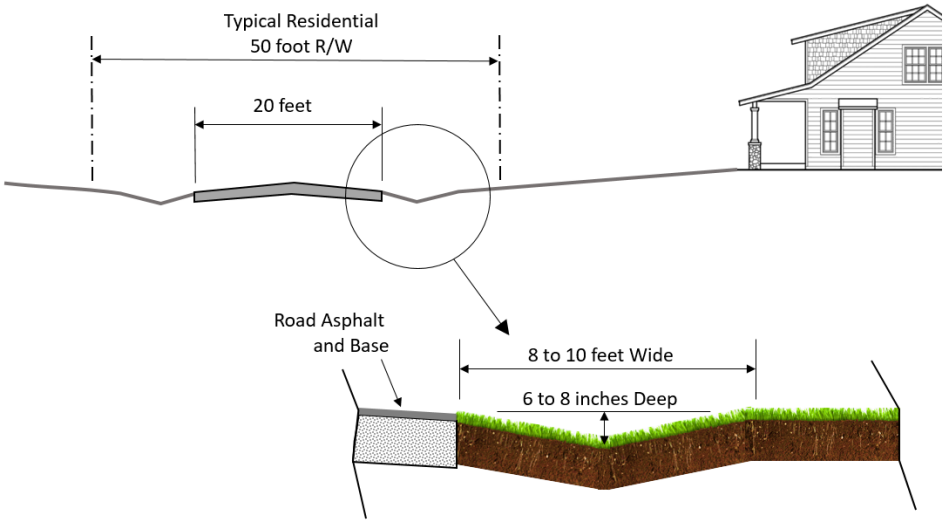


Figure 5-1: Typical Swale

The Town should expect some opposition to the Swale Restoration Program from residents since most view the grass swale areas within the right-of-way to be their private property, which is not the case. Prior to any implementation of the Swale Restoration Program, the Town should develop a Community Outreach Program on the importance of the swale restoration program. The purpose of the Community Outreach Program is to provide educational information to residents on the objectives of the Swale Restoration Program along with the flood control and environmental benefits.

The Town should be cognoscente of that fact that some areas may not be practical for swales such as low lying areas where there would be less than a foot from the bottom of the swale to the groundwater table. Such areas may have prolonged standing water that could increase the mosquito population. Streets that include a substantial number of circular driveways should be reviewed carefully to determine if the cost is worth the effort. Such homes have twice as much driveway frontage and a middle "island" that is typically heavily landscaped.

It is estimated that the Town has a potential of approximately 60,000 linear feet of grassed swales. Maintaining a schedule of restoration every 15 years yields 4,000 linear feet per year. This equates to $100,000 per year in maintenance costs at $25 per linear foot.

5.1.2 Pipe and Structure Maintenance Program

To ensure the existing drainage system operates at full capacity, the Town should budget for routine system maintenance, such as the inspection and cleaning of existing drainage piping, especially exfiltration piping. Typically, sediments can accumulate within drainage piping over time if the drainage system does not undergo routine cleaning. The accumulation of sediments within the drainage piping can significantly reduce the transmission capacity of the pipe and slow the percolation rate via exfiltration trenches, which will slow the draining of stormwater runoff from the right-of-way areas during a heavy rainfall event.

Per the Town's NPDES MS4 Permit requirements, 10 percent of the Town's drainage infrastructure needs to be inspected annually including outfall pipes. Major outfalls (36-inch diameter or greater) must be inspected every year. However, since the Town does not own any major outfalls, the outfall pipes can fall under general infrastructure maintenance.

NPDES requirements only require visual inspections. Pipes can be more difficult to inspect than structure, which are accessible. The Town routinely utilizes an outside contractor Tele-Vac South to clean and televise portions of the Town's stormwater management system for the purpose of eliminating any accumulated sediments along with locating any pipe sections which are damaged or collapsed. Under their contract, Tele-Vac South only addressed a small portion of the Town's stormwater management system. It is recommended that this type of cleaning only be performed if there is cause to believe that sediment may exist, such as pipes attached to structure where excessive sediment has been observed or areas where flooding has become more prevalent over time.

Based on the GIS inventory, the Town owns and maintains 616 inlets and manholes. Therefore, at least 62 structures should be inspected annually. A 2-person field crew can perform these inspection within a total of 120 hours. The stormwater portion of the crew's time would amount to approximately $16,000 per year. Assuming that the crew identifies 20 percent of the structures and associated pipes as needing to be cleaned, this would result in approximately 1,000 linear feet of pipes that would require cleaning and televising per year. Based on a rate of $10 per foot, the annual budget for cleaning and televising should be $10,000.

5.1.3 Repair and Replacement Program

The Town has experienced in the past, localized "sinkholes" within Town right-of-way due to the collapse of existing drainage pipe. Future "sinkholes" due to pipe collapse can be expected requiring repair or replacement of damaged pipe sections. The Town can repair partially damaged pipe sections by the installation of a new pipe lining along the entire pipe. The Town will need to replace partially collapsed pipe sections since the installation of a new pipe lining would not be effective. The location of any damaged drainage pipe can be identified in conjunction with the Pipe and Structure Maintenance Program through the televising of existing drainage pipe.

The Town recently retained Tele-Vac South to televise a portion of the Town's stormwater management system for the purpose of locating any pipe sections which are damaged or collapsed. Under their contract, Tele-Vac South only addressed a small portion of the Town's stormwater management system. Based on our review of the television inspection reports from Tele-Vac South, approximately 35% of the televised drainage piping was identified to be damaged.

The Town should budget for a Repair and Replacement Program to address any damaged or partially collapsed drainage pipe, which is identified during the implementation of the Pipe Maintenance Program. Based on the assumption in the previous 2010 Master Plan, an estimated 35 percent of the televised pipe may need repair or replacement. Considering that the structure may also need to be replaced, it is recommended that a $100,000 annual budget be established for this program.

Section 6 Recommendations

6.1 Capital Improvement Projects

To meet current and future needs of the Town in regard to flood projection, a Capital Improvement Plan (CIP) was developed that included projects that have been divided into a 10-year and 20-year schedule. These short-term (2020-2030) and long-term (2030-2040) projects have been conceptually designed and are recommended to be implement as shown in ***Table 6-1***. The projects described in more detail in ***Section 4*** and can be generally categorized as follows:

Short-term 10-Year CIP

- Exfiltration trenches in upland areas
- Pipe and outfall improvements in low lying areas
- Inline check valves at select outfalls

Long-term 20-Year CIP

- Pipe and outfall improvements in low lying area
- Pump stations in select low lying areas
- Inline check valves at additional select outfalls

Table 6-1: Capital Improvement Project Summary

CIP	FY	Project	Estimated Cost
10-Year	2021	Project #1: Terra Mar Drainage Improvements (Basin A)	$ 987,000
10-Year	2021	Project #2: El Mar Drive Drainage Improvements	$ 2,933,000
10-Year	2021	Project #3: Lombardy Avenue Drainage Improvements	$ 40,000
10-Year	2022	Project #4: Check Valves	$ 273,000
10-Year	2025	Project #5: Bel-Air South Drainage Improvements (Basin E3)	$ 574,000
10-Year	2027	Project #6: Bougainvilla/Poinsettia Street Drainage Improvements	$ 2,609,000
10-Year	2029	Project #7: Lauderdale Surf and Yacht Drainage Improvements (Basin U2	$ 904,000
		Subtotal:	**$ 8,320,000**
20-Year	2030	Project #1: Silver Shores Drainage Improvements (Basin L)	$ 1,662,000
20-Year	2032	Project #2: Terra Mar Pump Station (Basin A)	$ 2,823,000
20-Year	2034	Project #3: Beverly Shores Drainage Improvements (Basin P4)	$ 578,000
20-Year	2035	Project #4: Check Valves	$ 487,000
20-Year	2037	Project #5: Bel-Air South Pump Station (Basin E3)	$ 2,823,000
20-Year	2039	Project #6: Lauderdale Surf & Yacht Pump Station (Basin U2)	$ 1,722,000
		Subtotal:	**$ 10,095,000**
		Total:	**$ 18,415,000**

6.2 Operation and Maintenance

Most of the recommendations for operation and maintenance are carried over from the 2010 Master Plan with the exception of the Outfall Pipe Maintenance Program which was incorporated into the overall Pipe and Structure Maintenance Program. This was done because, based on the sizes of the outfall pipes, there are no special NPDES requirements beyond what is already required for the entire Town. Per the Town's MS4 NPDES permit, the Town is required to inspect a minimum of 10 percent of the Town's drainage infrastructure each year. These are visual inspections. If the visual inspections indicate siltation or other problems, cleaning and televising should be performed by a contractor.

Estimations were provided in ***Section 5*** for the annual costs that should be budgeted for operation and maintenance. A summary of these costs is provided in ***Table 6-2***.

Table 6-2: Operation and Maintenance Estimated Annual Costs (2020 Dollars)

Program	Total
Swale Restoration Program	$100,000.00
Pipe and Structure Maintenance Program	$ 26,000.00
Repair and Replacement Program	$100,000.00
Total	**$226,000.00**

6.3 Funding

6.3.1 Stormwater Utility

Of course, to accomplish any of the recommended improvements and required maintenance, adequate funding is needed. As described in ***Section 3***, a stormwater utility currently exists. Chapter 20 Article IV. Sections 20-34 through 20-90 establishes the Town's Stormwater Management Utility by defining the stormwater system and the Town's powers and responsibilities. It also provides the Town with the authority to apply "service charges" to fund stormwater activities. Currently, there are no stormwater fees being charged to property owners within the Town under this provision. Stormwater activities are currently funded through the Town's general fund.

It is recommended that the Town establish a Stormwater Utility Fee to obtain funding. A rate study should be performed to establish the fee, the method used to determine the fee and the method for collecting the fee. The most common method used by municipalities in South Florida to determine the fee is by establishing an Equivalent Residential Unit (ERU) and applying that value to each single family home. The ERU is based on a statistical analysis of the typical impervious area of single family homes. Other land uses such as commercial would then by charged a certain number of ERUs based on their measured amount of impervious area.

6.3.2 Other available funding

Funding is available in the form of grants and loans that can provide a significant revenue source for the Utility. These opportunities are available from various agencies at different times of the year. Some are available at varying amount annually, while others may be one-time opportunities, such as federal stimulus monies. The Town should continually monitor different agencies to track and apply for grant opportunities. Many grants are available only during construction phases, or with limited funding for studies, planning, design and permitting. These grant opportunities arise quickly and have limited windows of opportunity. Federal stimulus funds are typically available only to construction projects that are ready to be constructed. The stimulus money approved for COVID-19 relief, for example, has been channeled to states for "shovel-ready" projects. Due to the long lead time required for design and permitting, the Town may consider moving forward with design and permitting for certain projects so they are ready in case new monies become available

Grant and loan opportunities are listed below in ***Table 6-3***. Baxter & Woodman is currently assisting the Town with two grants associated with Palm Club and continues to monitor opportunities as they arise. It is also helpful to retain lobbyists and contacts with local State and Federal representatives.

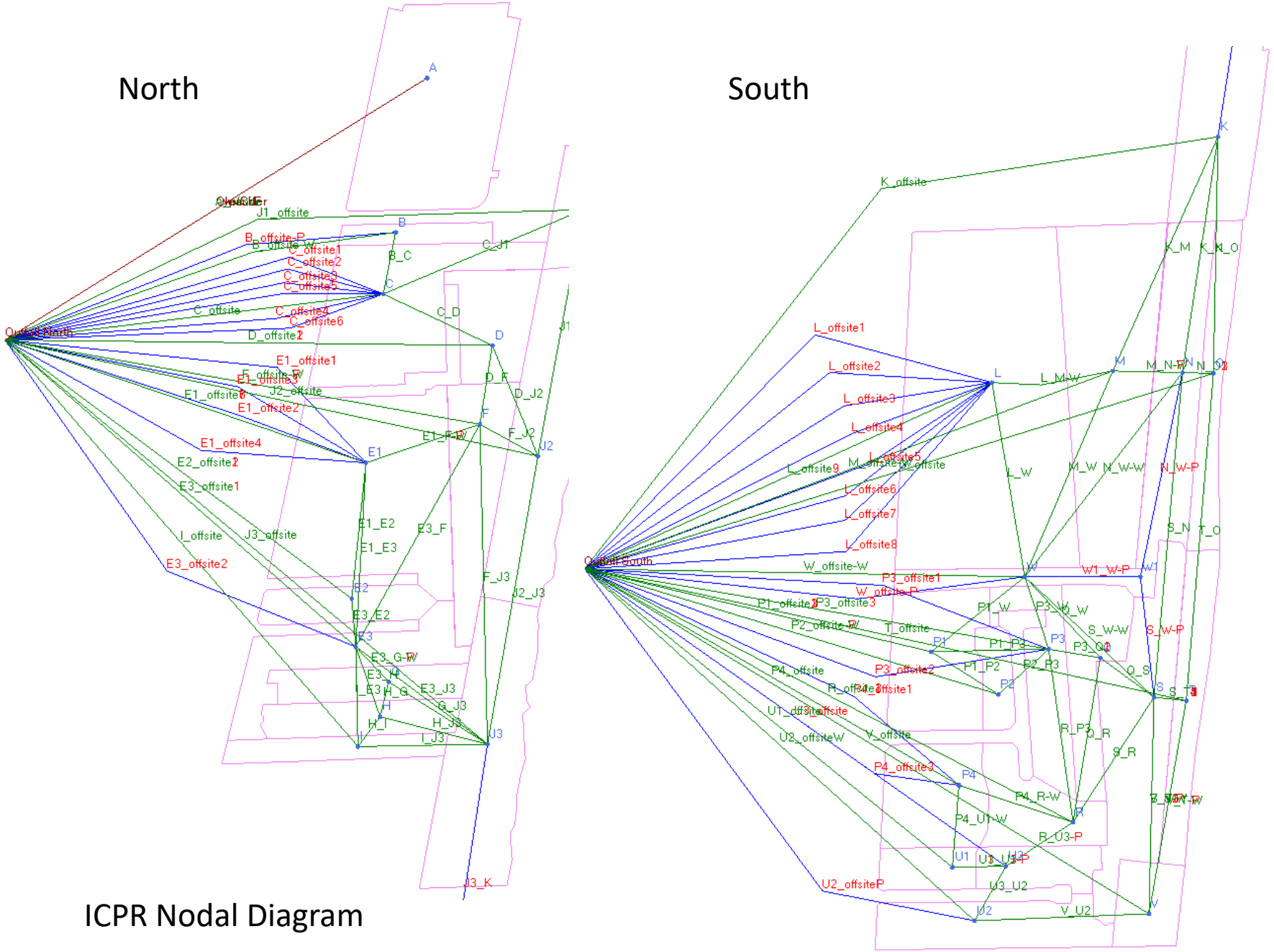
Table 6-3: Grant and Loan Opportunities

Grant Name and Administrating Entity
Department of Commerce Financial Assistance Grant Funding U.S. Department of Commerce Economic Development Administration (EDA)
Clean Water State Revolving Fund (SRF) Florida Department of Environmental Protection
Hazard Mitigation Grant Funding Program (HMGP) Florida Division of Emergency Management
FDOT Local Agency Program (LAP) Funding Florida Department of Transportation
Community Development Block Grant (CDBG) Funding Department of Economic Sustainability
Alternative Water Supply Grant Funding South Florida Water Management District (SFWMD)
Division of Water Restoration Assistance Grant Funding Florida Department of Environmental Protection (FDEP)
Section 319(h) Grant Funding Florida Department of Environmental Protection
CDBG – Mitigation General Infrastructure Program Florida Department of Economic Opportunity

APPENDIX A – ICPR4 Model Input and Output

North

South



ICPR Nodal Diagram

Simple Basin: A

Scenario:	Existing
Node:	A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.4700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	34.0900 ac
Curve Number:	69.0
% Impervious:	40.32
% DCIA:	40.32
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
A	100y3d	200.98	60.1000	18.50	15.82	34.0900	80.1	40.32	40.32
A	10y1d	108.92	12.1667	9.00	6.74	34.0900	81.4	40.32	40.32
A	25y3d	158.43	60.1000	14.90	12.33	34.0900	80.5	40.32	40.32
A	3Yr1D	69.84	12.1667	6.40	4.39	34.0900	82.3	40.32	40.32
A	5y1d	89.18	12.1667	7.70	5.55	34.0900	81.8	40.32	40.32

Simple Basin: B

Scenario:	Existing
Node:	B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.3700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8300 ac
Curve Number:	77.0
% Impervious:	40.42
% DCIA:	40.42
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B	100y3d	30.18	60.0167	18.50	16.60	3.8300	85.6	40.42	40.42
B	10y1d	17.99	12.0500	9.00	7.32	3.8300	86.2	40.42	40.42
B	25y3d	24.03	60.0167	14.90	13.06	3.8300	85.7	40.42	40.42
B	3Yr1D	11.93	12.0500	6.40	4.86	3.8300	86.7	40.42	40.42
B	5y1d	14.95	12.0500	7.70	6.08	3.8300	86.4	40.42	40.42

Simple Basin: C

Scenario:	Existing
Node:	C
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	18.8600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	23.8000 ac
Curve Number:	72.0
% Impervious:	41.16
% DCIA:	41.16
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
C	100y3d	147.61	60.0833	18.50	16.16	23.8000	82.4	41.16	41.16
C	10y1d	82.27	12.1333	9.00	6.99	23.8000	83.4	41.16	41.16
C	25y3d	116.84	60.0833	14.90	12.64	23.8000	82.7	41.16	41.16
C	3Yr1D	53.45	12.1500	6.40	4.59	23.8000	84.2	41.16	41.16
C	5y1d	67.74	12.1333	7.70	5.77	23.8000	83.7	41.16	41.16

Simple Basin: D

Scenario:	Existing
Node:	D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.1700 ac
Curve Number:	63.0
% Impervious:	70.25
% DCIA:	70.25
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
D	100y3d	80.11	60.0167	18.50	16.83	10.1700	87.2	70.25	70.25
D	10y1d	48.01	12.0500	9.00	7.64	10.1700	88.9	70.25	70.25
D	25y3d	63.64	60.0167	14.90	13.31	10.1700	87.6	70.25	70.25
D	3Yr1D	32.46	12.0500	6.40	5.22	10.1700	89.9	70.25	70.25
D	5y1d	40.18	12.0500	7.70	6.42	10.1700	89.3	70.25	70.25

Simple Basin: E1

Scenario:	Existing
Node:	E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	11.2500 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	36.9700 ac
Curve Number:	61.0
% Impervious:	40.33
% DCIA:	40.33
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E1	100y3d	266.98	60.0333	18.50	14.95	36.9700	74.6	40.33	40.33
E1	10y1d	139.02	12.0667	9.00	6.15	36.9700	76.6	40.33	40.33
E1	25y3d	208.29	60.0333	14.90	11.54	36.9700	75.1	40.33	40.33
E1	3Yr1D	86.84	12.0667	6.40	3.94	36.9700	78.1	40.33	40.33
E1	5y1d	112.48	12.0667	7.70	5.02	36.9700	77.2	40.33	40.33

Simple Basin: E2

Scenario:	Existing
Node:	E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	12.7400 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	7.2700 ac
Curve Number:	63.0
% Impervious:	41.69
% DCIA:	41.69
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E2	100y3d	51.01	60.0333	18.50	15.25	7.2700	76.5	41.69	41.69
E2	10y1d	26.88	12.0833	9.00	6.35	7.2700	78.3	41.69	41.69
E2	25y3d	39.93	60.0333	14.90	11.81	7.2700	76.9	41.69	41.69
E2	3Yr1D	16.97	12.0833	6.40	4.10	7.2700	79.6	41.69	41.69
E2	5y1d	21.85	12.0833	7.70	5.21	7.2700	78.9	41.69	41.69

Simple Basin: E3

Scenario:	Existing
Node:	E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	12.7700 ac
Curve Number:	64.0
% Impervious:	41.27
% DCIA:	41.27
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E3	100y3d	97.25	60.0167	18.50	15.33	12.7700	77.0	41.27	41.27
E3	10y1d	52.62	12.0500	9.00	6.40	12.7700	78.7	41.27	41.27
E3	25y3d	76.26	60.0167	14.90	11.88	12.7700	77.4	41.27	41.27
E3	3Yr1D	33.31	12.0500	6.40	4.14	12.7700	80.0	41.27	41.27
E3	5y1d	42.83	12.0500	7.70	5.25	12.7700	79.3	41.27	41.27

Simple Basin: F

Scenario:	Existing
Node:	F
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	21.9800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	14.3300 ac
Curve Number:	57.0
% Impervious:	68.43
% DCIA:	68.43
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
F	100y3d	81.10	60.1167	18.50	16.37	14.3300	83.9	68.43	68.43
F	10y1d	45.79	12.1833	9.00	7.33	14.3300	86.3	68.43	68.43
F	25y3d	64.05	60.1167	14.90	12.89	14.3300	84.5	68.43	68.43
F	3Yr1D	30.66	12.1833	6.40	4.98	14.3300	87.8	68.43	68.43
F	5y1d	38.14	12.1833	7.70	6.15	14.3300	86.9	68.43	68.43

Simple Basin: G

Scenario:	Existing
Node:	G
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	16.9600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.0100 ac
Curve Number:	59.0
% Impervious:	49.81
% DCIA:	49.81
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
G	100y3d	49.86	60.0667	18.50	15.32	8.0100	76.9	49.81	49.81
G	10y1d	26.13	12.1167	9.00	6.48	8.0100	79.3	49.81	49.81
G	25y3d	38.98	60.0833	14.90	11.90	8.0100	77.5	49.81	49.81
G	3Yr1D	16.69	12.1167	6.40	4.24	8.0100	80.9	49.81	49.81
G	5y1d	21.33	12.1167	7.70	5.34	8.0100	80.0	49.81	49.81

Simple Basin: H

Scenario:	Existing
Node:	H
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	17.0700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.1900 ac
Curve Number:	58.0
% Impervious:	61.93
% DCIA:	61.93
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
H	100y3d	51.74	60.0833	18.50	16.01	8.1900	81.4	61.93	61.93
H	10y1d	28.58	12.1167	9.00	7.04	8.1900	83.9	61.93	61.93
H	25y3d	40.73	60.0833	14.90	12.55	8.1900	82.0	61.93	61.93
H	3Yr1D	18.85	12.1167	6.40	4.73	8.1900	85.4	61.93	61.93
H	5y1d	23.65	12.1167	7.70	5.87	8.1900	84.6	61.93	61.93

Simple Basin: I

Scenario:	Existing
Node:	I
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	18.4600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.3400 ac
Curve Number:	59.0
% Impervious:	50.26
% DCIA:	50.26
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
I	100y3d	38.03	60.0833	18.50	15.34	6.3400	77.0	50.26	50.26
I	10y1d	19.92	12.1333	9.00	6.50	6.3400	79.5	50.26	50.26
I	25y3d	29.74	60.0833	14.90	11.92	6.3400	77.6	50.26	50.26
I	3Yr1D	12.73	12.1333	6.40	4.26	6.3400	81.1	50.26	50.26
I	5y1d	16.27	12.1333	7.70	5.36	6.3400	80.2	50.26	50.26

Simple Basin: J1

Scenario:	Existing
Node:	J1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.1400 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.6300 ac
Curve Number:	60.0
% Impervious:	49.98
% DCIA:	49.98
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J1	100y3d	65.02	60.0167	18.50	15.41	8.6300	77.6	49.98	49.98
J1	10y1d	35.39	12.0500	9.00	6.54	8.6300	79.9	49.98	49.98
J1	25y3d	50.95	60.0167	14.90	11.98	8.6300	78.1	49.98	49.98
J1	3Yr1D	22.70	12.0500	6.40	4.29	8.6300	81.4	49.98	49.98
J1	5y1d	28.95	12.0500	7.70	5.40	8.6300	80.5	49.98	49.98

Simple Basin: J2

Scenario:	Existing
Node:	J2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	27.6000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	27.4900 ac
Curve Number:	58.0
% Impervious:	69.19
% DCIA:	69.19
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J2	100y3d	138.76	60.1667	18.50	16.48	27.4900	84.6	69.19	69.19
J2	10y1d	79.11	12.2500	9.00	7.41	27.4900	86.9	69.19	69.19
J2	25y3d	109.69	60.1667	14.90	13.00	27.4900	85.2	69.19	69.19
J2	3Yr1D	53.11	12.2500	6.40	5.05	27.4900	88.3	69.19	69.19
J2	5y1d	65.97	12.2500	7.70	6.22	27.4900	87.5	69.19	69.19

Simple Basin: J3

Scenario:	Existing
Node:	J3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	24.8300 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	25.9500 ac
Curve Number:	55.0
% Impervious:	63.87
% DCIA:	63.87
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J3	100y3d	135.58	60.1500	18.50	15.91	25.9500	80.8	63.87	63.87
J3	10y1d	74.38	12.2167	9.00	7.01	25.9500	83.6	63.87	63.87
J3	25y3d	106.53	60.1500	14.90	12.47	25.9500	81.5	63.87	63.87
J3	3Yr1D	49.18	12.2167	6.40	4.72	25.9500	85.4	63.87	63.87
J3	5y1d	61.59	12.2167	7.70	5.85	25.9500	84.4	63.87	63.87

Simple Basin: K

Scenario:	Existing
Node:	K
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	14.5900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	20.8300 ac
Curve Number:	55.0
% Impervious:	68.22
% DCIA:	68.22
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
K	100y3d	140.70	60.0500	18.50	16.22	20.8300	82.9	68.22	68.22
K	10y1d	79.42	12.0833	9.00	7.24	20.8300	85.5	68.22	68.22
K	25y3d	110.96	60.0500	14.90	12.76	20.8300	83.5	68.22	68.22
K	3Yr1D	53.08	12.0833	6.40	4.92	20.8300	87.2	68.22	68.22
K	5y1d	66.09	12.0833	7.70	6.07	20.8300	86.3	68.22	68.22

Simple Basin: L

Scenario:	Existing
Node:	L
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	16.1600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	71.3900 ac
Curve Number:	64.0
% Impervious:	44.50
% DCIA:	44.50
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
L	100y3d	461.03	60.0667	18.50	15.51	71.3900	78.1	44.50	44.50
L	10y1d	244.96	12.1167	9.00	6.55	71.3900	79.9	44.50	44.50
L	25y3d	361.81	60.0667	14.90	12.05	71.3900	78.5	44.50	44.50
L	3Yr1D	156.16	12.1167	6.40	4.26	71.3900	81.1	44.50	44.50
L	5y1d	199.95	12.1167	7.70	5.39	71.3900	80.4	44.50	44.50

Simple Basin: M

Scenario:	Existing
Node:	M
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	28.7900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	36.4600 ac
Curve Number:	55.0
% Impervious:	50.48
% DCIA:	50.48
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
M	100y3d	170.61	60.1833	18.50	14.96	36.4600	74.6	50.48	50.48
M	10y1d	87.16	12.2833	9.00	6.27	36.4600	77.6	50.48	50.48
M	25y3d	132.63	60.1833	14.90	11.58	36.4600	75.3	50.48	50.48
M	3Yr1D	55.40	12.2833	6.40	4.10	36.4600	79.6	50.48	50.48
M	5y1d	70.95	12.2833	7.70	5.16	36.4600	78.4	50.48	50.48

Simple Basin: N

Scenario:	Existing
Node:	N
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	23.2800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	20.3800 ac
Curve Number:	55.0
% Impervious:	50.79
% DCIA:	50.79
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
N	100y3d	106.87	60.1333	18.50	14.98	20.3800	74.7	50.79	50.79
N	10y1d	54.54	12.2000	9.00	6.28	20.3800	77.7	50.79	50.79
N	25y3d	83.13	60.1333	14.90	11.60	20.3800	75.5	50.79	50.79
N	3Yr1D	34.68	12.2000	6.40	4.11	20.3800	79.7	50.79	50.79
N	5y1d	44.40	12.2000	7.70	5.18	20.3800	78.6	50.79	50.79

Simple Basin: O

Scenario:	Existing
Node:	O
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.9100 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.6900 ac
Curve Number:	55.0
% Impervious:	50.27
% DCIA:	50.27
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
O	100y3d	59.12	60.1167	18.50	14.94	10.6900	74.5	50.27	50.27
O	10y1d	30.10	12.1667	9.00	6.26	10.6900	77.5	50.27	50.27
O	25y3d	45.98	60.1167	14.90	11.57	10.6900	75.3	50.27	50.27
O	3Yr1D	19.10	12.1667	6.40	4.09	10.6900	79.5	50.27	50.27
O	5y1d	24.49	12.1667	7.70	5.15	10.6900	78.4	50.27	50.27

Simple Basin: P1

Scenario:	Existing
Node:	P1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	16.6300 ac
Curve Number:	61.0
% Impervious:	46.29
% DCIA:	46.29
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P1	100y3d	125.73	60.0167	18.50	15.29	16.6300	76.8	46.29	46.29
P1	10y1d	67.85	12.0500	9.00	6.43	16.6300	78.9	46.29	46.29
P1	25y3d	98.44	60.0167	14.90	11.86	16.6300	77.3	46.29	46.29
P1	3Yr1D	43.17	12.0500	6.40	4.18	16.6300	80.4	46.29	46.29
P1	5y1d	55.32	12.0500	7.70	5.29	16.6300	79.5	46.29	46.29

Simple Basin: P2

Scenario:	Existing
Node:	P2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1400 ac
Curve Number:	61.0
% Impervious:	40.13
% DCIA:	40.13
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P2	100y3d	31.00	60.0167	18.50	14.93	4.1400	74.5	40.13	40.13
P2	10y1d	16.27	12.0500	9.00	6.13	4.1400	76.5	40.13	40.13
P2	25y3d	24.19	60.0167	14.90	11.52	4.1400	75.0	40.13	40.13
P2	3Yr1D	10.16	12.0500	6.40	3.93	4.1400	78.0	40.13	40.13
P2	5y1d	13.16	12.0500	7.70	5.01	4.1400	77.1	40.13	40.13

Simple Basin: P3

Scenario:	Existing
Node:	P3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.3700 ac
Curve Number:	57.0
% Impervious:	58.75
% DCIA:	58.75
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P3	100y3d	86.23	60.0167	18.50	15.70	11.3700	79.5	58.75	58.75
P3	10y1d	48.07	12.0500	9.00	6.82	11.3700	82.1	58.75	58.75
P3	25y3d	67.72	60.0167	14.90	12.27	11.3700	80.1	58.75	58.75
P3	3Yr1D	31.42	12.0500	6.40	4.55	11.3700	83.8	58.75	58.75
P3	5y1d	39.63	12.0500	7.70	5.67	11.3700	82.9	58.75	58.75

Simple Basin: P4

Scenario:	Existing
Node:	P4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	14.4300 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	13.5300 ac
Curve Number:	68.0
% Impervious:	40.87
% DCIA:	40.87
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P4	100y3d	92.65	60.0500	18.50	15.73	13.5300	79.6	40.87	40.87
P4	10y1d	50.37	12.1000	9.00	6.68	13.5300	81.0	40.87	40.87
P4	25y3d	72.99	60.0500	14.90	12.25	13.5300	79.9	40.87	40.87
P4	3Yr1D	32.27	12.1000	6.40	4.35	13.5300	81.9	40.87	40.87
P4	5y1d	41.23	12.1000	7.70	5.50	13.5300	81.4	40.87	40.87

Simple Basin: Q

Scenario:	Existing
Node:	Q
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.7600 ac
Curve Number:	55.0
% Impervious:	61.72
% DCIA:	61.72
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
Q	100y3d	88.97	60.0167	18.50	15.75	11.7600	79.7	61.72	61.72
Q	10y1d	49.84	12.0500	9.00	6.88	11.7600	82.6	61.72	61.72
Q	25y3d	69.87	60.0167	14.90	12.32	11.7600	80.5	61.72	61.72
Q	3Yr1D	32.77	12.0500	6.40	4.62	11.7600	84.5	61.72	61.72
Q	5y1d	41.18	12.0500	7.70	5.73	11.7600	83.4	61.72	61.72

Simple Basin: R

Scenario:	Existing
Node:	R
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.5600 ac
Curve Number:	56.0
% Impervious:	73.74
% DCIA:	73.74
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
R	100y3d	82.17	60.0167	18.50	16.66	10.5600	86.0	73.74	73.74
R	10y1d	48.85	12.0500	9.00	7.58	10.5600	88.3	73.74	73.74
R	25y3d	65.11	60.0167	14.90	13.17	10.5600	86.6	73.74	73.74
R	3Yr1D	33.10	12.0500	6.40	5.20	10.5600	89.7	73.74	73.74
R	5y1d	40.90	12.0500	7.70	6.38	10.5600	88.9	73.74	73.74

Simple Basin: S

Scenario:	Existing
Node:	S
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.2600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	24.6500 ac
Curve Number:	55.0
% Impervious:	63.24
% DCIA:	63.24
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
S	100y3d	142.57	60.1000	18.50	15.87	24.6500	80.5	63.24	63.24
S	10y1d	77.92	12.1500	9.00	6.97	24.6500	83.3	63.24	63.24
S	25y3d	111.98	60.1000	14.90	12.43	24.6500	81.2	63.24	63.24
S	3Yr1D	51.42	12.1500	6.40	4.69	24.6500	85.1	63.24	63.24
S	5y1d	64.48	12.1500	7.70	5.82	24.6500	84.1	63.24	63.24

Simple Basin: T

Scenario:	Existing
Node:	T
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	22.9900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.8100 ac
Curve Number:	55.0
% Impervious:	66.88
% DCIA:	66.88
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
T	100y3d	64.66	60.1333	18.50	16.12	11.8100	82.2	66.88	66.88
T	10y1d	36.00	12.1833	9.00	7.17	11.8100	84.9	66.88	66.88
T	25y3d	50.92	60.1333	14.90	12.68	11.8100	82.9	66.88	66.88
T	3Yr1D	23.98	12.1833	6.40	4.86	11.8100	86.6	66.88	66.88
T	5y1d	29.91	12.1833	7.70	6.00	11.8100	85.7	66.88	66.88

Simple Basin: U1

Scenario:	Existing
Node:	U1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	11.7700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.1900 ac
Curve Number:	64.0
% Impervious:	41.09
% DCIA:	41.09
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U1	100y3d	37.54	60.0333	18.50	15.32	5.1900	76.9	41.09	41.09
U1	10y1d	20.05	12.0667	9.00	6.40	5.1900	78.7	41.09	41.09
U1	25y3d	29.43	60.0333	14.90	11.88	5.1900	77.4	41.09	41.09
U1	3Yr1D	12.68	12.0667	6.40	4.13	5.1900	79.9	41.09	41.09
U1	5y1d	16.31	12.0667	7.70	5.25	5.1900	79.2	41.09	41.09

Simple Basin: U2

Scenario:	Existing
Node:	U2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	15.1000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	13.7300 ac
Curve Number:	63.0
% Impervious:	43.84
% DCIA:	43.84
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U2	100y3d	90.68	60.0667	18.50	15.37	13.7300	77.2	43.84	43.84
U2	10y1d	47.85	12.1000	9.00	6.45	13.7300	79.1	43.84	43.84
U2	25y3d	71.06	60.0667	14.90	11.93	13.7300	77.7	43.84	43.84
U2	3Yr1D	30.35	12.1000	6.40	4.19	13.7300	80.4	43.84	43.84
U2	5y1d	38.97	12.1000	7.70	5.30	13.7300	79.7	43.84	43.84

Simple Basin: U3

Scenario:	Existing
Node:	U3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.6300 ac
Curve Number:	64.0
% Impervious:	41.09
% DCIA:	41.09
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U3	100y3d	50.48	60.0167	18.50	15.32	6.6300	76.9	41.09	41.09
U3	10y1d	27.29	12.0500	9.00	6.40	6.6300	78.7	41.09	41.09
U3	25y3d	39.58	60.0167	14.90	11.87	6.6300	77.4	41.09	41.09
U3	3Yr1D	17.27	12.0500	6.40	4.13	6.6300	79.9	41.09	41.09
U3	5y1d	22.21	12.0500	7.70	5.25	6.6300	79.2	41.09	41.09

Simple Basin: V

Scenario:	Existing
Node:	V
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.9100 ac
Curve Number:	55.0
% Impervious:	69.82
% DCIA:	69.82
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
V	100y3d	53.18	60.0167	18.50	16.32	6.9100	83.6	69.82	69.82
V	10y1d	30.97	12.0500	9.00	7.33	6.9100	86.3	69.82	69.82
V	25y3d	42.00	60.0167	14.90	12.86	6.9100	84.3	69.82	69.82
V	3Yr1D	20.79	12.0500	6.40	4.99	6.9100	87.9	69.82	69.82
V	5y1d	25.82	12.0500	7.70	6.15	6.9100	87.0	69.82	69.82

Simple Basin: W

Scenario:	Existing
Node:	W
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	21.4800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.6600 ac
Curve Number:	58.0
% Impervious:	90.06
% DCIA:	90.06
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Existing]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
W	100y3d	39.81	60.1167	18.50	17.84	6.6600	94.7	90.06	90.06
W	10y1d	24.67	12.1667	9.00	8.48	6.6600	95.7	90.06	90.06
W	25y3d	31.88	60.1167	14.90	14.28	6.6600	95.0	90.06	90.06
W	3Yr1D	17.26	12.1667	6.40	5.96	6.6600	96.3	90.06	90.06
W	5y1d	20.95	12.1667	7.70	7.22	6.6600	96.0	90.06	90.06

Simple Basin: A

Scenario:	Pipes
Node:	A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.4700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	34.0900 ac
Curve Number:	69.0
% Impervious:	40.32
% DCIA:	40.32
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
A	100y3d	200.98	60.1000	18.50	15.82	34.0900	80.1	40.32	40.32
A	10y1d	108.92	12.1667	9.00	6.74	34.0900	81.4	40.32	40.32
A	25y3d	158.43	60.1000	14.90	12.33	34.0900	80.5	40.32	40.32
A	3Yr1D	69.84	12.1667	6.40	4.39	34.0900	82.3	40.32	40.32
A	5y1d	89.18	12.1667	7.70	5.55	34.0900	81.8	40.32	40.32

Simple Basin: B

Scenario:	Pipes
Node:	B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.3700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8300 ac
Curve Number:	77.0
% Impervious:	40.42
% DCIA:	40.42
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B	100y3d	30.18	60.0167	18.50	16.60	3.8300	85.6	40.42	40.42
B	10y1d	17.99	12.0500	9.00	7.32	3.8300	86.2	40.42	40.42
B	25y3d	24.03	60.0167	14.90	13.06	3.8300	85.7	40.42	40.42
B	3Yr1D	11.93	12.0500	6.40	4.86	3.8300	86.7	40.42	40.42
B	5y1d	14.95	12.0500	7.70	6.08	3.8300	86.4	40.42	40.42

Simple Basin: C

Scenario:	Pipes
Node:	C
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	18.8600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	23.8000 ac
Curve Number:	72.0
% Impervious:	41.16
% DCIA:	41.16
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
C	100y3d	147.61	60.0833	18.50	16.16	23.8000	82.4	41.16	41.16
C	10y1d	82.27	12.1333	9.00	6.99	23.8000	83.4	41.16	41.16
C	25y3d	116.84	60.0833	14.90	12.64	23.8000	82.7	41.16	41.16
C	3Yr1D	53.45	12.1500	6.40	4.59	23.8000	84.2	41.16	41.16
C	5y1d	67.74	12.1333	7.70	5.77	23.8000	83.7	41.16	41.16

Simple Basin: D

Scenario:	Pipes
Node:	D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.1700 ac
Curve Number:	63.0
% Impervious:	70.25
% DCIA:	70.25
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
D	100y3d	80.11	60.0167	18.50	16.83	10.1700	87.2	70.25	70.25
D	10y1d	48.01	12.0500	9.00	7.64	10.1700	88.9	70.25	70.25
D	25y3d	63.64	60.0167	14.90	13.31	10.1700	87.6	70.25	70.25
D	3Yr1D	32.46	12.0500	6.40	5.22	10.1700	89.9	70.25	70.25
D	5y1d	40.18	12.0500	7.70	6.42	10.1700	89.3	70.25	70.25

Simple Basin: E1

Scenario:	Pipes
Node:	E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	11.2500 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	36.9700 ac
Curve Number:	61.0
% Impervious:	40.33
% DCIA:	40.33
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E1	100y3d	266.98	60.0333	18.50	14.95	36.9700	74.6	40.33	40.33
E1	10y1d	139.02	12.0667	9.00	6.15	36.9700	76.6	40.33	40.33
E1	25y3d	208.29	60.0333	14.90	11.54	36.9700	75.1	40.33	40.33
E1	3Yr1D	86.84	12.0667	6.40	3.94	36.9700	78.1	40.33	40.33
E1	5y1d	112.48	12.0667	7.70	5.02	36.9700	77.2	40.33	40.33

Simple Basin: E2

Scenario:	Pipes
Node:	E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	12.7400 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	7.2700 ac
Curve Number:	63.0
% Impervious:	41.69
% DCIA:	41.69
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E2	100y3d	51.01	60.0333	18.50	15.25	7.2700	76.5	41.69	41.69
E2	10y1d	26.88	12.0833	9.00	6.35	7.2700	78.3	41.69	41.69
E2	25y3d	39.93	60.0333	14.90	11.81	7.2700	76.9	41.69	41.69
E2	3Yr1D	16.97	12.0833	6.40	4.10	7.2700	79.6	41.69	41.69
E2	5y1d	21.85	12.0833	7.70	5.21	7.2700	78.9	41.69	41.69

Simple Basin: E3

Scenario:	Pipes
Node:	E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	12.7700 ac
Curve Number:	64.0
% Impervious:	41.27
% DCIA:	41.27
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E3	100y3d	97.25	60.0167	18.50	15.33	12.7700	77.0	41.27	41.27
E3	10y1d	52.62	12.0500	9.00	6.40	12.7700	78.7	41.27	41.27
E3	25y3d	76.26	60.0167	14.90	11.88	12.7700	77.4	41.27	41.27
E3	3Yr1D	33.31	12.0500	6.40	4.14	12.7700	80.0	41.27	41.27
E3	5y1d	42.83	12.0500	7.70	5.25	12.7700	79.3	41.27	41.27

Simple Basin: F

Scenario:	Pipes
Node:	F
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	21.9800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	14.3300 ac
Curve Number:	57.0
% Impervious:	68.43
% DCIA:	68.43
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
F	100y3d	81.10	60.1167	18.50	16.37	14.3300	83.9	68.43	68.43
F	10y1d	45.79	12.1833	9.00	7.33	14.3300	86.3	68.43	68.43
F	25y3d	64.05	60.1167	14.90	12.89	14.3300	84.5	68.43	68.43
F	3Yr1D	30.66	12.1833	6.40	4.98	14.3300	87.8	68.43	68.43
F	5y1d	38.14	12.1833	7.70	6.15	14.3300	86.9	68.43	68.43

Simple Basin: G

Scenario:	Pipes
Node:	G
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	16.9600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.0100 ac
Curve Number:	59.0
% Impervious:	49.81
% DCIA:	49.81
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
G	100y3d	49.86	60.0667	18.50	15.32	8.0100	76.9	49.81	49.81
G	10y1d	26.13	12.1167	9.00	6.48	8.0100	79.3	49.81	49.81
G	25y3d	38.98	60.0833	14.90	11.90	8.0100	77.5	49.81	49.81
G	3Yr1D	16.69	12.1167	6.40	4.24	8.0100	80.9	49.81	49.81
G	5y1d	21.33	12.1167	7.70	5.34	8.0100	80.0	49.81	49.81

Simple Basin: H

Scenario:	Pipes
Node:	H
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	17.0700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.1900 ac
Curve Number:	58.0
% Impervious:	61.93
% DCIA:	61.93
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
H	100y3d	51.74	60.0833	18.50	16.01	8.1900	81.4	61.93	61.93
H	10y1d	28.58	12.1167	9.00	7.04	8.1900	83.9	61.93	61.93
H	25y3d	40.73	60.0833	14.90	12.55	8.1900	82.0	61.93	61.93
H	3Yr1D	18.85	12.1167	6.40	4.73	8.1900	85.4	61.93	61.93
H	5y1d	23.65	12.1167	7.70	5.87	8.1900	84.6	61.93	61.93

Simple Basin: I

Scenario:	Pipes
Node:	I
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	18.4600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.3400 ac
Curve Number:	59.0
% Impervious:	50.26
% DCIA:	50.26
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
I	100y3d	38.03	60.0833	18.50	15.34	6.3400	77.0	50.26	50.26
I	10y1d	19.92	12.1333	9.00	6.50	6.3400	79.5	50.26	50.26
I	25y3d	29.74	60.0833	14.90	11.92	6.3400	77.6	50.26	50.26
I	3Yr1D	12.73	12.1333	6.40	4.26	6.3400	81.1	50.26	50.26
I	5y1d	16.27	12.1333	7.70	5.36	6.3400	80.2	50.26	50.26

Simple Basin: J1

Scenario:	Pipes
Node:	J1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.1400 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.6300 ac
Curve Number:	60.0
% Impervious:	49.98
% DCIA:	49.98
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J1	100y3d	65.02	60.0167	18.50	15.41	8.6300	77.6	49.98	49.98
J1	10y1d	35.39	12.0500	9.00	6.54	8.6300	79.9	49.98	49.98
J1	25y3d	50.95	60.0167	14.90	11.98	8.6300	78.1	49.98	49.98
J1	3Yr1D	22.70	12.0500	6.40	4.29	8.6300	81.4	49.98	49.98
J1	5y1d	28.95	12.0500	7.70	5.40	8.6300	80.5	49.98	49.98

Simple Basin: J2

Scenario:	Pipes
Node:	J2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	27.6000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	27.4900 ac
Curve Number:	58.0
% Impervious:	69.19
% DCIA:	69.19
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J2	100y3d	138.76	60.1667	18.50	16.48	27.4900	84.6	69.19	69.19
J2	10y1d	79.11	12.2500	9.00	7.41	27.4900	86.9	69.19	69.19
J2	25y3d	109.69	60.1667	14.90	13.00	27.4900	85.2	69.19	69.19
J2	3Yr1D	53.11	12.2500	6.40	5.05	27.4900	88.3	69.19	69.19
J2	5y1d	65.97	12.2500	7.70	6.22	27.4900	87.5	69.19	69.19

Simple Basin: J3

Scenario:	Pipes
Node:	J3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	24.8300 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	25.9500 ac
Curve Number:	55.0
% Impervious:	63.87
% DCIA:	63.87
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J3	100y3d	135.58	60.1500	18.50	15.91	25.9500	80.8	63.87	63.87
J3	10y1d	74.38	12.2167	9.00	7.01	25.9500	83.6	63.87	63.87
J3	25y3d	106.53	60.1500	14.90	12.47	25.9500	81.5	63.87	63.87
J3	3Yr1D	49.18	12.2167	6.40	4.72	25.9500	85.4	63.87	63.87
J3	5y1d	61.59	12.2167	7.70	5.85	25.9500	84.4	63.87	63.87

Simple Basin: K

Scenario:	Pipes
Node:	K
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	14.5900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	20.8300 ac
Curve Number:	55.0
% Impervious:	68.22
% DCIA:	68.22
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
K	100y3d	140.70	60.0500	18.50	16.22	20.8300	82.9	68.22	68.22
K	10y1d	79.42	12.0833	9.00	7.24	20.8300	85.5	68.22	68.22
K	25y3d	110.96	60.0500	14.90	12.76	20.8300	83.5	68.22	68.22
K	3Yr1D	53.08	12.0833	6.40	4.92	20.8300	87.2	68.22	68.22
K	5y1d	66.09	12.0833	7.70	6.07	20.8300	86.3	68.22	68.22

Simple Basin: L

Scenario:	Pipes
Node:	L
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	16.1600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	71.3900 ac
Curve Number:	64.0
% Impervious:	44.50
% DCIA:	44.50
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
L	100y3d	461.03	60.0667	18.50	15.51	71.3900	78.1	44.50	44.50
L	10y1d	244.96	12.1167	9.00	6.55	71.3900	79.9	44.50	44.50
L	25y3d	361.81	60.0667	14.90	12.05	71.3900	78.5	44.50	44.50
L	3Yr1D	156.16	12.1167	6.40	4.26	71.3900	81.1	44.50	44.50
L	5y1d	199.95	12.1167	7.70	5.39	71.3900	80.4	44.50	44.50

Simple Basin: M

Scenario:	Pipes
Node:	M
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	28.7900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	36.4600 ac
Curve Number:	55.0
% Impervious:	50.48
% DCIA:	50.48
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
M	100y3d	170.61	60.1833	18.50	14.96	36.4600	74.6	50.48	50.48
M	10y1d	87.16	12.2833	9.00	6.27	36.4600	77.6	50.48	50.48
M	25y3d	132.63	60.1833	14.90	11.58	36.4600	75.3	50.48	50.48
M	3Yr1D	55.40	12.2833	6.40	4.10	36.4600	79.6	50.48	50.48
M	5y1d	70.95	12.2833	7.70	5.16	36.4600	78.4	50.48	50.48

Simple Basin: N

Scenario:	Pipes
Node:	N
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	23.2800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	20.3800 ac
Curve Number:	55.0
% Impervious:	50.79
% DCIA:	50.79
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
N	100y3d	106.87	60.1333	18.50	14.98	20.3800	74.7	50.79	50.79
N	10y1d	54.54	12.2000	9.00	6.28	20.3800	77.7	50.79	50.79
N	25y3d	83.13	60.1333	14.90	11.60	20.3800	75.5	50.79	50.79
N	3Yr1D	34.68	12.2000	6.40	4.11	20.3800	79.7	50.79	50.79
N	5y1d	44.40	12.2000	7.70	5.18	20.3800	78.6	50.79	50.79

Simple Basin: O

Scenario:	Pipes
Node:	O
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.9100 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.6900 ac
Curve Number:	55.0
% Impervious:	50.27
% DCIA:	50.27
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
O	100y3d	59.12	60.1167	18.50	14.94	10.6900	74.5	50.27	50.27
O	10y1d	30.10	12.1667	9.00	6.26	10.6900	77.5	50.27	50.27
O	25y3d	45.98	60.1167	14.90	11.57	10.6900	75.3	50.27	50.27
O	3Yr1D	19.10	12.1667	6.40	4.09	10.6900	79.5	50.27	50.27
O	5y1d	24.49	12.1667	7.70	5.15	10.6900	78.4	50.27	50.27

Simple Basin: P1

Scenario:	Pipes
Node:	P1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	16.6300 ac
Curve Number:	61.0
% Impervious:	46.29
% DCIA:	46.29
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P1	100y3d	125.73	60.0167	18.50	15.29	16.6300	76.8	46.29	46.29
P1	10y1d	67.85	12.0500	9.00	6.43	16.6300	78.9	46.29	46.29
P1	25y3d	98.44	60.0167	14.90	11.86	16.6300	77.3	46.29	46.29
P1	3Yr1D	43.17	12.0500	6.40	4.18	16.6300	80.4	46.29	46.29
P1	5y1d	55.32	12.0500	7.70	5.29	16.6300	79.5	46.29	46.29

Simple Basin: P2

Scenario:	Pipes
Node:	P2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1400 ac
Curve Number:	61.0
% Impervious:	40.13
% DCIA:	40.13
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P2	100y3d	31.00	60.0167	18.50	14.93	4.1400	74.5	40.13	40.13
P2	10y1d	16.27	12.0500	9.00	6.13	4.1400	76.5	40.13	40.13
P2	25y3d	24.19	60.0167	14.90	11.52	4.1400	75.0	40.13	40.13
P2	3Yr1D	10.16	12.0500	6.40	3.93	4.1400	78.0	40.13	40.13
P2	5y1d	13.16	12.0500	7.70	5.01	4.1400	77.1	40.13	40.13

Simple Basin: P3

Scenario:	Pipes
Node:	P3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.3700 ac
Curve Number:	57.0
% Impervious:	58.75
% DCIA:	58.75
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P3	100y3d	86.23	60.0167	18.50	15.70	11.3700	79.5	58.75	58.75
P3	10y1d	48.07	12.0500	9.00	6.82	11.3700	82.1	58.75	58.75
P3	25y3d	67.72	60.0167	14.90	12.27	11.3700	80.1	58.75	58.75
P3	3Yr1D	31.42	12.0500	6.40	4.55	11.3700	83.8	58.75	58.75
P3	5y1d	39.63	12.0500	7.70	5.67	11.3700	82.9	58.75	58.75

Simple Basin: P4

Scenario:	Pipes
Node:	P4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	14.4300 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	13.5300 ac
Curve Number:	68.0
% Impervious:	40.87
% DCIA:	40.87
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P4	100y3d	92.65	60.0500	18.50	15.73	13.5300	79.6	40.87	40.87
P4	10y1d	50.37	12.1000	9.00	6.68	13.5300	81.0	40.87	40.87
P4	25y3d	72.99	60.0500	14.90	12.25	13.5300	79.9	40.87	40.87
P4	3Yr1D	32.27	12.1000	6.40	4.35	13.5300	81.9	40.87	40.87
P4	5y1d	41.23	12.1000	7.70	5.50	13.5300	81.4	40.87	40.87

Simple Basin: Q

Scenario:	Pipes
Node:	Q
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.7600 ac
Curve Number:	55.0
% Impervious:	61.72
% DCIA:	61.72
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
Q	100y3d	88.97	60.0167	18.50	15.75	11.7600	79.7	61.72	61.72
Q	10y1d	49.84	12.0500	9.00	6.88	11.7600	82.6	61.72	61.72
Q	25y3d	69.87	60.0167	14.90	12.32	11.7600	80.5	61.72	61.72
Q	3Yr1D	32.77	12.0500	6.40	4.62	11.7600	84.5	61.72	61.72
Q	5y1d	41.18	12.0500	7.70	5.73	11.7600	83.4	61.72	61.72

Simple Basin: R

Scenario:	Pipes
Node:	R
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.5600 ac
Curve Number:	56.0
% Impervious:	73.74
% DCIA:	73.74
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
R	100y3d	82.17	60.0167	18.50	16.66	10.5600	86.0	73.74	73.74
R	10y1d	48.85	12.0500	9.00	7.58	10.5600	88.3	73.74	73.74
R	25y3d	65.11	60.0167	14.90	13.17	10.5600	86.6	73.74	73.74
R	3Yr1D	33.10	12.0500	6.40	5.20	10.5600	89.7	73.74	73.74
R	5y1d	40.90	12.0500	7.70	6.38	10.5600	88.9	73.74	73.74

Simple Basin: S

Scenario:	Pipes
Node:	S
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.2600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	24.6500 ac
Curve Number:	55.0
% Impervious:	63.24
% DCIA:	63.24
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
S	100y3d	142.57	60.1000	18.50	15.87	24.6500	80.5	63.24	63.24
S	10y1d	77.92	12.1500	9.00	6.97	24.6500	83.3	63.24	63.24
S	25y3d	111.98	60.1000	14.90	12.43	24.6500	81.2	63.24	63.24
S	3Yr1D	51.42	12.1500	6.40	4.69	24.6500	85.1	63.24	63.24
S	5y1d	64.48	12.1500	7.70	5.82	24.6500	84.1	63.24	63.24

Simple Basin: T

Scenario:	Pipes
Node:	T
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	22.9900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.8100 ac
Curve Number:	55.0
% Impervious:	66.88
% DCIA:	66.88
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
T	100y3d	64.66	60.1333	18.50	16.12	11.8100	82.2	66.88	66.88
T	10y1d	36.00	12.1833	9.00	7.17	11.8100	84.9	66.88	66.88
T	25y3d	50.92	60.1333	14.90	12.68	11.8100	82.9	66.88	66.88
T	3Yr1D	23.98	12.1833	6.40	4.86	11.8100	86.6	66.88	66.88
T	5y1d	29.91	12.1833	7.70	6.00	11.8100	85.7	66.88	66.88

Simple Basin: U1

Scenario:	Pipes
Node:	U1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	11.7700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.1900 ac
Curve Number:	64.0
% Impervious:	41.09
% DCIA:	41.09
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U1	100y3d	37.54	60.0333	18.50	15.32	5.1900	76.9	41.09	41.09
U1	10y1d	20.05	12.0667	9.00	6.40	5.1900	78.7	41.09	41.09
U1	25y3d	29.43	60.0333	14.90	11.88	5.1900	77.4	41.09	41.09
U1	3Yr1D	12.68	12.0667	6.40	4.13	5.1900	79.9	41.09	41.09
U1	5y1d	16.31	12.0667	7.70	5.25	5.1900	79.2	41.09	41.09

Simple Basin: U2

Scenario:	Pipes
Node:	U2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	15.1000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	13.7300 ac
Curve Number:	63.0
% Impervious:	43.84
% DCIA:	43.84
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U2	100y3d	90.68	60.0667	18.50	15.37	13.7300	77.2	43.84	43.84
U2	10y1d	47.85	12.1000	9.00	6.45	13.7300	79.1	43.84	43.84
U2	25y3d	71.06	60.0667	14.90	11.93	13.7300	77.7	43.84	43.84
U2	3Yr1D	30.35	12.1000	6.40	4.19	13.7300	80.4	43.84	43.84
U2	5y1d	38.97	12.1000	7.70	5.30	13.7300	79.7	43.84	43.84

Simple Basin: U3

Scenario:	Pipes
Node:	U3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.6300 ac
Curve Number:	64.0
% Impervious:	41.09
% DCIA:	41.09
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U3	100y3d	50.48	60.0167	18.50	15.32	6.6300	76.9	41.09	41.09
U3	10y1d	27.29	12.0500	9.00	6.40	6.6300	78.7	41.09	41.09
U3	25y3d	39.58	60.0167	14.90	11.87	6.6300	77.4	41.09	41.09
U3	3Yr1D	17.27	12.0500	6.40	4.13	6.6300	79.9	41.09	41.09
U3	5y1d	22.21	12.0500	7.70	5.25	6.6300	79.2	41.09	41.09

Simple Basin: V

Scenario:	Pipes
Node:	V
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.9100 ac
Curve Number:	55.0
% Impervious:	69.82
% DCIA:	69.82
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
V	100y3d	53.18	60.0167	18.50	16.32	6.9100	83.6	69.82	69.82
V	10y1d	30.97	12.0500	9.00	7.33	6.9100	86.3	69.82	69.82
V	25y3d	42.00	60.0167	14.90	12.86	6.9100	84.3	69.82	69.82
V	3Yr1D	20.79	12.0500	6.40	4.99	6.9100	87.9	69.82	69.82
V	5y1d	25.82	12.0500	7.70	6.15	6.9100	87.0	69.82	69.82

Simple Basin: W

Scenario:	Pipes
Node:	W
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	21.4800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.6600 ac
Curve Number:	58.0
% Impervious:	90.06
% DCIA:	90.06
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pipes]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
W	100y3d	39.81	60.1167	18.50	17.84	6.6600	94.7	90.06	90.06
W	10y1d	24.67	12.1667	9.00	8.48	6.6600	95.7	90.06	90.06
W	25y3d	31.88	60.1167	14.90	14.28	6.6600	95.0	90.06	90.06
W	3Yr1D	17.26	12.1667	6.40	5.96	6.6600	96.3	90.06	90.06
W	5y1d	20.95	12.1667	7.70	7.22	6.6600	96.0	90.06	90.06

Simple Basin: A

Scenario:	PipesSLR
Node:	A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.4700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	34.0900 ac
Curve Number:	74.0
% Impervious:	40.32
% DCIA:	40.32
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
A	100y3d	204.60	60.1000	18.50	16.32	34.0900	83.5	40.32	40.32
A	10y1d	115.43	12.1667	9.00	7.11	34.0900	84.4	40.32	40.32
A	25y3d	162.27	60.1000	14.90	12.80	34.0900	83.7	40.32	40.32
A	3Yr1D	75.46	12.1667	6.40	4.68	34.0900	85.0	40.32	40.32
A	5y1d	95.33	12.1667	7.70	5.88	34.0900	84.7	40.32	40.32

Simple Basin: B

Scenario:	PipesSLR
Node:	B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.3700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8300 ac
Curve Number:	89.0
% Impervious:	40.42
% DCIA:	40.42
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B	100y3d	30.82	60.0167	18.50	17.64	3.8300	93.3	40.42	40.42
B	10y1d	19.73	12.0500	9.00	8.20	3.8300	93.4	40.42	40.42
B	25y3d	24.76	60.0167	14.90	14.06	3.8300	93.3	40.42	40.42
B	3Yr1D	13.70	12.0500	6.40	5.63	3.8300	93.5	40.42	40.42
B	5y1d	16.72	12.0500	7.70	6.91	3.8300	93.5	40.42	40.42

Simple Basin: C

Scenario:	PipesSLR
Node:	C
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	18.8600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	23.8000 ac
Curve Number:	82.0
% Impervious:	41.16
% DCIA:	41.16
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
C	100y3d	151.58	60.0833	18.50	17.08	23.8000	89.0	41.16	41.16
C	10y1d	90.86	12.1333	9.00	7.71	23.8000	89.4	41.16	41.16
C	25y3d	121.18	60.0833	14.90	13.51	23.8000	89.1	41.16	41.16
C	3Yr1D	61.34	12.1333	6.40	5.20	23.8000	89.7	41.16	41.16
C	5y1d	76.09	12.1333	7.70	6.45	23.8000	89.5	41.16	41.16

Simple Basin: D

Scenario:	PipesSLR
Node:	D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.1700 ac
Curve Number:	69.0
% Impervious:	70.25
% DCIA:	70.25
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
D	100y3d	81.13	60.0167	18.50	17.15	10.1700	89.5	70.25	70.25
D	10y1d	49.64	12.0500	9.00	7.86	10.1700	90.7	70.25	70.25
D	25y3d	64.70	60.0167	14.90	13.61	10.1700	89.8	70.25	70.25
D	3Yr1D	33.79	12.0500	6.40	5.39	10.1700	91.4	70.25	70.25
D	5y1d	41.68	12.0500	7.70	6.62	10.1700	91.0	70.25	70.25

Simple Basin: E1

Scenario:	PipesSLR
Node:	E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	11.2500 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	36.9700 ac
Curve Number:	66.0
% Impervious:	40.33
% DCIA:	40.33
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E1	100y3d	273.58	60.0333	18.50	15.51	36.9700	78.1	40.33	40.33
E1	10y1d	148.73	12.0667	9.00	6.52	36.9700	79.6	40.33	40.33
E1	25y3d	215.02	60.0333	14.90	12.04	36.9700	78.4	40.33	40.33
E1	3Yr1D	94.58	12.0667	6.40	4.21	36.9700	80.7	40.33	40.33
E1	5y1d	121.33	12.0667	7.70	5.35	36.9700	80.1	40.33	40.33

Simple Basin: E2

Scenario:	PipesSLR
Node:	E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	12.7400 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	7.2700 ac
Curve Number:	69.0
% Impervious:	41.69
% DCIA:	41.69
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E2	100y3d	52.36	60.0333	18.50	15.88	7.2700	80.6	41.69	41.69
E2	10y1d	28.98	12.0667	9.00	6.79	7.2700	81.8	41.69	41.69
E2	25y3d	41.32	60.0333	14.90	12.38	7.2700	80.9	41.69	41.69
E2	3Yr1D	18.68	12.0833	6.40	4.43	7.2700	82.7	41.69	41.69
E2	5y1d	23.78	12.0833	7.70	5.59	7.2700	82.2	41.69	41.69

Simple Basin: E3

Scenario:	PipesSLR
Node:	E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	12.7700 ac
Curve Number:	66.0
% Impervious:	41.27
% DCIA:	41.27
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E3	100y3d	98.12	60.0167	18.50	15.54	12.7700	78.4	41.27	41.27
E3	10y1d	53.98	12.0500	9.00	6.55	12.7700	79.9	41.27	41.27
E3	25y3d	77.15	60.0167	14.90	12.07	12.7700	78.8	41.27	41.27
E3	3Yr1D	34.42	12.0500	6.40	4.25	12.7700	81.0	41.27	41.27
E3	5y1d	44.08	12.0500	7.70	5.38	12.7700	80.4	41.27	41.27

Simple Basin: F

Scenario:	PipesSLR
Node:	F
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	21.9800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	14.3300 ac
Curve Number:	59.0
% Impervious:	68.43
% DCIA:	68.43
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
F	100y3d	81.63	60.1167	18.50	16.49	14.3300	84.7	68.43	68.43
F	10y1d	46.41	12.1833	9.00	7.41	14.3300	86.9	68.43	68.43
F	25y3d	64.56	60.1167	14.90	13.01	14.3300	85.3	68.43	68.43
F	3Yr1D	31.13	12.1833	6.40	5.04	14.3300	88.3	68.43	68.43
F	5y1d	38.69	12.1833	7.70	6.21	14.3300	87.5	68.43	68.43

Simple Basin: G

Scenario:	PipesSLR
Node:	G
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	16.9600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.0100 ac
Curve Number:	64.0
% Impervious:	49.81
% DCIA:	49.81
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
G	100y3d	51.01	60.0667	18.50	15.80	8.0100	80.0	49.81	49.81
G	10y1d	27.67	12.1167	9.00	6.79	8.0100	81.8	49.81	49.81
G	25y3d	40.13	60.0667	14.90	12.33	8.0100	80.4	49.81	49.81
G	3Yr1D	17.88	12.1167	6.40	4.47	8.0100	83.1	49.81	49.81
G	5y1d	22.71	12.1167	7.70	5.61	8.0100	82.3	49.81	49.81

Simple Basin: H

Scenario:	PipesSLR
Node:	H
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	17.0700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.1900 ac
Curve Number:	62.0
% Impervious:	61.93
% DCIA:	61.93
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
H	100y3d	52.48	60.0667	18.50	16.30	8.1900	83.4	61.93	61.93
H	10y1d	29.54	12.1167	9.00	7.23	8.1900	85.4	61.93	61.93
H	25y3d	41.47	60.0833	14.90	12.82	8.1900	83.9	61.93	61.93
H	3Yr1D	19.58	12.1167	6.40	4.86	8.1900	86.7	61.93	61.93
H	5y1d	24.50	12.1167	7.70	6.03	8.1900	85.9	61.93	61.93

Simple Basin: I

Scenario:	PipesSLR
Node:	I
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	18.4600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.3400 ac
Curve Number:	66.0
% Impervious:	50.26
% DCIA:	50.26
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
I	100y3d	39.20	60.0833	18.50	16.00	6.3400	81.4	50.26	50.26
I	10y1d	21.53	12.1333	9.00	6.93	6.3400	83.0	50.26	50.26
I	25y3d	30.92	60.0833	14.90	12.51	6.3400	81.7	50.26	50.26
I	3Yr1D	13.99	12.1333	6.40	4.58	6.3400	84.1	50.26	50.26
I	5y1d	17.72	12.1333	7.70	5.74	6.3400	83.4	50.26	50.26

Simple Basin: J1

Scenario:	PipesSLR
Node:	J1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.1400 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.6300 ac
Curve Number:	60.0
% Impervious:	49.98
% DCIA:	49.98
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J1	100y3d	65.02	60.0167	18.50	15.41	8.6300	77.6	49.98	49.98
J1	10y1d	35.39	12.0500	9.00	6.54	8.6300	79.9	49.98	49.98
J1	25y3d	50.95	60.0167	14.90	11.98	8.6300	78.1	49.98	49.98
J1	3Yr1D	22.70	12.0500	6.40	4.29	8.6300	81.4	49.98	49.98
J1	5y1d	28.95	12.0500	7.70	5.40	8.6300	80.5	49.98	49.98

Simple Basin: J2

Scenario:	PipesSLR
Node:	J2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	27.6000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	27.4900 ac
Curve Number:	59.0
% Impervious:	69.19
% DCIA:	69.19
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J2	100y3d	139.19	60.1667	18.50	16.54	27.4900	85.1	69.19	69.19
J2	10y1d	79.63	12.2500	9.00	7.45	27.4900	87.2	69.19	69.19
J2	25y3d	110.12	60.1667	14.90	13.05	27.4900	85.6	69.19	69.19
J2	3Yr1D	53.49	12.2500	6.40	5.07	27.4900	88.6	69.19	69.19
J2	5y1d	66.42	12.2500	7.70	6.25	27.4900	87.8	69.19	69.19

Simple Basin: J3

Scenario:	PipesSLR
Node:	J3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	24.8300 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	25.9500 ac
Curve Number:	55.0
% Impervious:	63.87
% DCIA:	63.87
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J3	100y3d	135.58	60.1500	18.50	15.91	25.9500	80.8	63.87	63.87
J3	10y1d	74.38	12.2167	9.00	7.01	25.9500	83.6	63.87	63.87
J3	25y3d	106.53	60.1500	14.90	12.47	25.9500	81.5	63.87	63.87
J3	3Yr1D	49.18	12.2167	6.40	4.72	25.9500	85.4	63.87	63.87
J3	5y1d	61.59	12.2167	7.70	5.85	25.9500	84.4	63.87	63.87

Simple Basin: K

Scenario:	PipesSLR
Node:	K
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	14.5900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	20.8300 ac
Curve Number:	55.0
% Impervious:	68.22
% DCIA:	68.22
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
K	100y3d	140.70	60.0500	18.50	16.22	20.8300	82.9	68.22	68.22
K	10y1d	79.42	12.0833	9.00	7.24	20.8300	85.5	68.22	68.22
K	25y3d	110.96	60.0500	14.90	12.76	20.8300	83.5	68.22	68.22
K	3Yr1D	53.08	12.0833	6.40	4.92	20.8300	87.2	68.22	68.22
K	5y1d	66.09	12.0833	7.70	6.07	20.8300	86.3	68.22	68.22

Simple Basin: L

Scenario:	PipesSLR
Node:	L
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	16.1600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	71.3900 ac
Curve Number:	68.0
% Impervious:	44.50
% DCIA:	44.50
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
L	100y3d	468.80	60.0667	18.50	15.91	71.3900	80.8	44.50	44.50
L	10y1d	256.88	12.1167	9.00	6.82	71.3900	82.1	44.50	44.50
L	25y3d	369.81	60.0667	14.90	12.42	71.3900	81.1	44.50	44.50
L	3Yr1D	165.85	12.1167	6.40	4.47	71.3900	83.1	44.50	44.50
L	5y1d	210.91	12.1167	7.70	5.63	71.3900	82.5	44.50	44.50

Simple Basin: M

Scenario:	PipesSLR
Node:	M
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	28.7900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	36.4600 ac
Curve Number:	55.0
% Impervious:	50.48
% DCIA:	50.48
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
M	100y3d	170.61	60.1833	18.50	14.96	36.4600	74.6	50.48	50.48
M	10y1d	87.16	12.2833	9.00	6.27	36.4600	77.6	50.48	50.48
M	25y3d	132.63	60.1833	14.90	11.58	36.4600	75.3	50.48	50.48
M	3Yr1D	55.40	12.2833	6.40	4.10	36.4600	79.6	50.48	50.48
M	5y1d	70.95	12.2833	7.70	5.16	36.4600	78.4	50.48	50.48

Simple Basin: N

Scenario:	PipesSLR
Node:	N
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	23.2800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	20.3800 ac
Curve Number:	55.0
% Impervious:	50.79
% DCIA:	50.79
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
N	100y3d	106.87	60.1333	18.50	14.98	20.3800	74.7	50.79	50.79
N	10y1d	54.54	12.2000	9.00	6.28	20.3800	77.7	50.79	50.79
N	25y3d	83.13	60.1333	14.90	11.60	20.3800	75.5	50.79	50.79
N	3Yr1D	34.68	12.2000	6.40	4.11	20.3800	79.7	50.79	50.79
N	5y1d	44.40	12.2000	7.70	5.18	20.3800	78.6	50.79	50.79

Simple Basin: O

Scenario:	PipesSLR
Node:	O
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.9100 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.6900 ac
Curve Number:	56.0
% Impervious:	50.27
% DCIA:	50.27
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
O	100y3d	59.46	60.1167	18.50	15.05	10.6900	75.2	50.27	50.27
O	10y1d	30.48	12.1667	9.00	6.32	10.6900	78.0	50.27	50.27
O	25y3d	46.31	60.1167	14.90	11.66	10.6900	75.8	50.27	50.27
O	3Yr1D	19.37	12.1667	6.40	4.13	10.6900	79.9	50.27	50.27
O	5y1d	24.82	12.1667	7.70	5.20	10.6900	78.8	50.27	50.27

Simple Basin: P1

Scenario:	PipesSLR
Node:	P1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	16.6300 ac
Curve Number:	65.0
% Impervious:	46.29
% DCIA:	46.29
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P1	100y3d	127.98	60.0167	18.50	15.69	16.6300	79.4	46.29	46.29
P1	10y1d	71.14	12.0500	9.00	6.69	16.6300	81.1	46.29	46.29
P1	25y3d	100.73	60.0167	14.90	12.23	16.6300	79.8	46.29	46.29
P1	3Yr1D	45.78	12.0500	6.40	4.38	16.6300	82.3	46.29	46.29
P1	5y1d	58.31	12.0500	7.70	5.52	16.6300	81.6	46.29	46.29

Simple Basin: P2

Scenario:	PipesSLR
Node:	P2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1400 ac
Curve Number:	66.0
% Impervious:	40.13
% DCIA:	40.13
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P2	100y3d	31.77	60.0167	18.50	15.48	4.1400	78.0	40.13	40.13
P2	10y1d	17.41	12.0500	9.00	6.50	4.1400	79.5	40.13	40.13
P2	25y3d	24.97	60.0167	14.90	12.02	4.1400	78.4	40.13	40.13
P2	3Yr1D	11.07	12.0500	6.40	4.20	4.1400	80.6	40.13	40.13
P2	5y1d	14.20	12.0500	7.70	5.34	4.1400	80.0	40.13	40.13

Simple Basin: P3

Scenario:	PipesSLR
Node:	P3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.3700 ac
Curve Number:	62.0
% Impervious:	58.75
% DCIA:	58.75
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P3	100y3d	87.91	60.0167	18.50	16.11	11.3700	82.2	58.75	58.75
P3	10y1d	50.29	12.0500	9.00	7.07	11.3700	84.2	58.75	58.75
P3	25y3d	69.39	60.0167	14.90	12.63	11.3700	82.7	58.75	58.75
P3	3Yr1D	33.12	12.0500	6.40	4.73	11.3700	85.5	58.75	58.75
P3	5y1d	41.61	12.0500	7.70	5.89	11.3700	84.8	58.75	58.75

Simple Basin: P4

Scenario:	PipesSLR
Node:	P4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	14.4300 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	13.5300 ac
Curve Number:	73.0
% Impervious:	40.87
% DCIA:	40.87
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P4	100y3d	94.34	60.0500	18.50	16.24	13.5300	83.0	40.87	40.87
P4	10y1d	53.40	12.0833	9.00	7.05	13.5300	83.9	40.87	40.87
P4	25y3d	74.78	60.0500	14.90	12.72	13.5300	83.2	40.87	40.87
P4	3Yr1D	34.84	12.1000	6.40	4.64	13.5300	84.6	40.87	40.87
P4	5y1d	44.05	12.0833	7.70	5.83	13.5300	84.2	40.87	40.87

Simple Basin: Q

Scenario:	PipesSLR
Node:	Q
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.7600 ac
Curve Number:	55.0
% Impervious:	61.72
% DCIA:	61.72
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
Q	100y3d	88.97	60.0167	18.50	15.75	11.7600	79.7	61.72	61.72
Q	10y1d	49.84	12.0500	9.00	6.88	11.7600	82.6	61.72	61.72
Q	25y3d	69.87	60.0167	14.90	12.32	11.7600	80.5	61.72	61.72
Q	3Yr1D	32.77	12.0500	6.40	4.62	11.7600	84.5	61.72	61.72
Q	5y1d	41.18	12.0500	7.70	5.73	11.7600	83.4	61.72	61.72

Simple Basin: R

Scenario:	PipesSLR
Node:	R
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.5600 ac
Curve Number:	57.0
% Impervious:	73.74
% DCIA:	73.74
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
R	100y3d	82.39	60.0167	18.50	16.71	10.5600	86.4	73.74	73.74
R	10y1d	49.11	12.0500	9.00	7.61	10.5600	88.6	73.74	73.74
R	25y3d	65.33	60.0167	14.90	13.22	10.5600	86.9	73.74	73.74
R	3Yr1D	33.29	12.0500	6.40	5.22	10.5600	89.9	73.74	73.74
R	5y1d	41.13	12.0500	7.70	6.40	10.5600	89.2	73.74	73.74

Simple Basin: S

Scenario:	PipesSLR
Node:	S
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.2600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	24.6500 ac
Curve Number:	55.0
% Impervious:	63.24
% DCIA:	63.24
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
S	100y3d	142.57	60.1000	18.50	15.87	24.6500	80.5	63.24	63.24
S	10y1d	77.92	12.1500	9.00	6.97	24.6500	83.3	63.24	63.24
S	25y3d	111.98	60.1000	14.90	12.43	24.6500	81.2	63.24	63.24
S	3Yr1D	51.42	12.1500	6.40	4.69	24.6500	85.1	63.24	63.24
S	5y1d	64.48	12.1500	7.70	5.82	24.6500	84.1	63.24	63.24

Simple Basin: T

Scenario:	PipesSLR
Node:	T
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	22.9900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.8100 ac
Curve Number:	55.0
% Impervious:	66.88
% DCIA:	66.88
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
T	100y3d	64.66	60.1333	18.50	16.12	11.8100	82.2	66.88	66.88
T	10y1d	36.00	12.1833	9.00	7.17	11.8100	84.9	66.88	66.88
T	25y3d	50.92	60.1333	14.90	12.68	11.8100	82.9	66.88	66.88
T	3Yr1D	23.98	12.1833	6.40	4.86	11.8100	86.6	66.88	66.88
T	5y1d	29.91	12.1833	7.70	6.00	11.8100	85.7	66.88	66.88

Simple Basin: U1

Scenario:	PipesSLR
Node:	U1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	11.7700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.1900 ac
Curve Number:	72.0
% Impervious:	41.09
% DCIA:	41.09
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U1	100y3d	38.75	60.0333	18.50	16.15	5.1900	82.4	41.09	41.09
U1	10y1d	22.08	12.0667	9.00	6.98	5.1900	83.4	41.09	41.09
U1	25y3d	30.69	60.0333	14.90	12.64	5.1900	82.6	41.09	41.09
U1	3Yr1D	14.38	12.0667	6.40	4.58	5.1900	84.1	41.09	41.09
U1	5y1d	18.21	12.0667	7.70	5.77	5.1900	83.7	41.09	41.09

Simple Basin: U2

Scenario:	PipesSLR
Node:	U2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	15.1000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	13.7300 ac
Curve Number:	68.0
% Impervious:	43.84
% DCIA:	43.84
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U2	100y3d	92.65	60.0667	18.50	15.88	13.7300	80.5	43.84	43.84
U2	10y1d	50.85	12.1000	9.00	6.80	13.7300	81.9	43.84	43.84
U2	25y3d	73.08	60.0667	14.90	12.39	13.7300	80.9	43.84	43.84
U2	3Yr1D	32.78	12.1000	6.40	4.45	13.7300	82.9	43.84	43.84
U2	5y1d	41.72	12.1000	7.70	5.61	13.7300	82.3	43.84	43.84

Simple Basin: U3

Scenario:	PipesSLR
Node:	U3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.6300 ac
Curve Number:	64.0
% Impervious:	41.09
% DCIA:	41.09
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U3	100y3d	50.48	60.0167	18.50	15.32	6.6300	76.9	41.09	41.09
U3	10y1d	27.29	12.0500	9.00	6.40	6.6300	78.7	41.09	41.09
U3	25y3d	39.58	60.0167	14.90	11.87	6.6300	77.4	41.09	41.09
U3	3Yr1D	17.27	12.0500	6.40	4.13	6.6300	79.9	41.09	41.09
U3	5y1d	22.21	12.0500	7.70	5.25	6.6300	79.2	41.09	41.09

Simple Basin: V

Scenario:	PipesSLR
Node:	V
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.9100 ac
Curve Number:	55.0
% Impervious:	69.82
% DCIA:	69.82
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
V	100y3d	53.18	60.0167	18.50	16.32	6.9100	83.6	69.82	69.82
V	10y1d	30.97	12.0500	9.00	7.33	6.9100	86.3	69.82	69.82
V	25y3d	42.00	60.0167	14.90	12.86	6.9100	84.3	69.82	69.82
V	3Yr1D	20.79	12.0500	6.40	4.99	6.9100	87.9	69.82	69.82
V	5y1d	25.82	12.0500	7.70	6.15	6.9100	87.0	69.82	69.82

Simple Basin: W

Scenario:	PipesSLR
Node:	W
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	21.4800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.6600 ac
Curve Number:	65.0
% Impervious:	90.06
% DCIA:	90.06
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PipesSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
W	100y3d	40.04	60.1167	18.50	17.97	6.6600	95.8	90.06	90.06
W	10y1d	24.98	12.1667	9.00	8.57	6.6600	96.5	90.06	90.06
W	25y3d	32.12	60.1167	14.90	14.40	6.6600	96.0	90.06	90.06
W	3Yr1D	17.50	12.1667	6.40	6.02	6.6600	96.9	90.06	90.06
W	5y1d	21.24	12.1667	7.70	7.29	6.6600	96.6	90.06	90.06

Simple Basin: A

Scenario:	Pumps
Node:	A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.4700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	34.0900 ac
Curve Number:	69.0
% Impervious:	40.32
% DCIA:	40.32
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
A	100y3d	200.98	60.1000	18.50	15.82	34.0900	80.1	40.32	40.32
A	10y1d	108.92	12.1667	9.00	6.74	34.0900	81.4	40.32	40.32
A	25y3d	158.43	60.1000	14.90	12.33	34.0900	80.5	40.32	40.32
A	3Yr1D	69.84	12.1667	6.40	4.39	34.0900	82.3	40.32	40.32
A	5y1d	89.18	12.1667	7.70	5.55	34.0900	81.8	40.32	40.32

Simple Basin: B

Scenario:	Pumps
Node:	B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.3700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8300 ac
Curve Number:	77.0
% Impervious:	40.42
% DCIA:	40.42
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B	100y3d	30.18	60.0167	18.50	16.60	3.8300	85.6	40.42	40.42
B	10y1d	17.99	12.0500	9.00	7.32	3.8300	86.2	40.42	40.42
B	25y3d	24.03	60.0167	14.90	13.06	3.8300	85.7	40.42	40.42
B	3Yr1D	11.93	12.0500	6.40	4.86	3.8300	86.7	40.42	40.42
B	5y1d	14.95	12.0500	7.70	6.08	3.8300	86.4	40.42	40.42

Simple Basin: C

Scenario:	Pumps
Node:	C
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	18.8600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	23.8000 ac
Curve Number:	72.0
% Impervious:	41.16
% DCIA:	41.16
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
C	100y3d	147.61	60.0833	18.50	16.16	23.8000	82.4	41.16	41.16
C	10y1d	82.27	12.1333	9.00	6.99	23.8000	83.4	41.16	41.16
C	25y3d	116.84	60.0833	14.90	12.64	23.8000	82.7	41.16	41.16
C	3Yr1D	53.45	12.1500	6.40	4.59	23.8000	84.2	41.16	41.16
C	5y1d	67.74	12.1333	7.70	5.77	23.8000	83.7	41.16	41.16

Simple Basin: D

Scenario:	Pumps
Node:	D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.1700 ac
Curve Number:	63.0
% Impervious:	70.25
% DCIA:	70.25
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
D	100y3d	80.11	60.0167	18.50	16.83	10.1700	87.2	70.25	70.25
D	10y1d	48.01	12.0500	9.00	7.64	10.1700	88.9	70.25	70.25
D	25y3d	63.64	60.0167	14.90	13.31	10.1700	87.6	70.25	70.25
D	3Yr1D	32.46	12.0500	6.40	5.22	10.1700	89.9	70.25	70.25
D	5y1d	40.18	12.0500	7.70	6.42	10.1700	89.3	70.25	70.25

Simple Basin: E1

Scenario:	Pumps
Node:	E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	11.2500 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	36.9700 ac
Curve Number:	61.0
% Impervious:	40.33
% DCIA:	40.33
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E1	100y3d	266.98	60.0333	18.50	14.95	36.9700	74.6	40.33	40.33
E1	10y1d	139.02	12.0667	9.00	6.15	36.9700	76.6	40.33	40.33
E1	25y3d	208.29	60.0333	14.90	11.54	36.9700	75.1	40.33	40.33
E1	3Yr1D	86.84	12.0667	6.40	3.94	36.9700	78.1	40.33	40.33
E1	5y1d	112.48	12.0667	7.70	5.02	36.9700	77.2	40.33	40.33

Simple Basin: E2

Scenario:	Pumps
Node:	E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	12.7400 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	7.2700 ac
Curve Number:	63.0
% Impervious:	41.69
% DCIA:	41.69
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E2	100y3d	51.01	60.0333	18.50	15.25	7.2700	76.5	41.69	41.69
E2	10y1d	26.88	12.0833	9.00	6.35	7.2700	78.3	41.69	41.69
E2	25y3d	39.93	60.0333	14.90	11.81	7.2700	76.9	41.69	41.69
E2	3Yr1D	16.97	12.0833	6.40	4.10	7.2700	79.6	41.69	41.69
E2	5y1d	21.85	12.0833	7.70	5.21	7.2700	78.9	41.69	41.69

Simple Basin: E3

Scenario:	Pumps
Node:	E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	12.7700 ac
Curve Number:	64.0
% Impervious:	41.27
% DCIA:	41.27
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E3	100y3d	97.25	60.0167	18.50	15.33	12.7700	77.0	41.27	41.27
E3	10y1d	52.62	12.0500	9.00	6.40	12.7700	78.7	41.27	41.27
E3	25y3d	76.26	60.0167	14.90	11.88	12.7700	77.4	41.27	41.27
E3	3Yr1D	33.31	12.0500	6.40	4.14	12.7700	80.0	41.27	41.27
E3	5y1d	42.83	12.0500	7.70	5.25	12.7700	79.3	41.27	41.27

Simple Basin: F

Scenario:	Pumps
Node:	F
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	21.9800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	14.3300 ac
Curve Number:	57.0
% Impervious:	68.43
% DCIA:	68.43
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
F	100y3d	81.10	60.1167	18.50	16.37	14.3300	83.9	68.43	68.43
F	10y1d	45.79	12.1833	9.00	7.33	14.3300	86.3	68.43	68.43
F	25y3d	64.05	60.1167	14.90	12.89	14.3300	84.5	68.43	68.43
F	3Yr1D	30.66	12.1833	6.40	4.98	14.3300	87.8	68.43	68.43
F	5y1d	38.14	12.1833	7.70	6.15	14.3300	86.9	68.43	68.43

Simple Basin: G

Scenario:	Pumps
Node:	G
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	16.9600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.0100 ac
Curve Number:	59.0
% Impervious:	49.81
% DCIA:	49.81
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
G	100y3d	49.86	60.0667	18.50	15.32	8.0100	76.9	49.81	49.81
G	10y1d	26.13	12.1167	9.00	6.48	8.0100	79.3	49.81	49.81
G	25y3d	38.98	60.0833	14.90	11.90	8.0100	77.5	49.81	49.81
G	3Yr1D	16.69	12.1167	6.40	4.24	8.0100	80.9	49.81	49.81
G	5y1d	21.33	12.1167	7.70	5.34	8.0100	80.0	49.81	49.81

Simple Basin: H

Scenario:	Pumps
Node:	H
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	17.0700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.1900 ac
Curve Number:	58.0
% Impervious:	61.93
% DCIA:	61.93
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
H	100y3d	51.74	60.0833	18.50	16.01	8.1900	81.4	61.93	61.93
H	10y1d	28.58	12.1167	9.00	7.04	8.1900	83.9	61.93	61.93
H	25y3d	40.73	60.0833	14.90	12.55	8.1900	82.0	61.93	61.93
H	3Yr1D	18.85	12.1167	6.40	4.73	8.1900	85.4	61.93	61.93
H	5y1d	23.65	12.1167	7.70	5.87	8.1900	84.6	61.93	61.93

Simple Basin: I

Scenario:	Pumps
Node:	I
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	18.4600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.3400 ac
Curve Number:	59.0
% Impervious:	50.26
% DCIA:	50.26
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
I	100y3d	38.03	60.0833	18.50	15.34	6.3400	77.0	50.26	50.26
I	10y1d	19.92	12.1333	9.00	6.50	6.3400	79.5	50.26	50.26
I	25y3d	29.74	60.0833	14.90	11.92	6.3400	77.6	50.26	50.26
I	3Yr1D	12.73	12.1333	6.40	4.26	6.3400	81.1	50.26	50.26
I	5y1d	16.27	12.1333	7.70	5.36	6.3400	80.2	50.26	50.26

Simple Basin: J1

Scenario:	Pumps
Node:	J1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.1400 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.6300 ac
Curve Number:	60.0
% Impervious:	49.98
% DCIA:	49.98
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J1	100y3d	65.02	60.0167	18.50	15.41	8.6300	77.6	49.98	49.98
J1	10y1d	35.39	12.0500	9.00	6.54	8.6300	79.9	49.98	49.98
J1	25y3d	50.95	60.0167	14.90	11.98	8.6300	78.1	49.98	49.98
J1	3Yr1D	22.70	12.0500	6.40	4.29	8.6300	81.4	49.98	49.98
J1	5y1d	28.95	12.0500	7.70	5.40	8.6300	80.5	49.98	49.98

Simple Basin: J2

Scenario:	Pumps
Node:	J2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	27.6000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	27.4900 ac
Curve Number:	58.0
% Impervious:	69.19
% DCIA:	69.19
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J2	100y3d	138.76	60.1667	18.50	16.48	27.4900	84.6	69.19	69.19
J2	10y1d	79.11	12.2500	9.00	7.41	27.4900	86.9	69.19	69.19
J2	25y3d	109.69	60.1667	14.90	13.00	27.4900	85.2	69.19	69.19
J2	3Yr1D	53.11	12.2500	6.40	5.05	27.4900	88.3	69.19	69.19
J2	5y1d	65.97	12.2500	7.70	6.22	27.4900	87.5	69.19	69.19

Simple Basin: J3

Scenario:	Pumps
Node:	J3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	24.8300 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	25.9500 ac
Curve Number:	55.0
% Impervious:	63.87
% DCIA:	63.87
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J3	100y3d	135.58	60.1500	18.50	15.91	25.9500	80.8	63.87	63.87
J3	10y1d	74.38	12.2167	9.00	7.01	25.9500	83.6	63.87	63.87
J3	25y3d	106.53	60.1500	14.90	12.47	25.9500	81.5	63.87	63.87
J3	3Yr1D	49.18	12.2167	6.40	4.72	25.9500	85.4	63.87	63.87
J3	5y1d	61.59	12.2167	7.70	5.85	25.9500	84.4	63.87	63.87

Simple Basin: K

Scenario:	Pumps
Node:	K
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	14.5900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	20.8300 ac
Curve Number:	55.0
% Impervious:	68.22
% DCIA:	68.22
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
K	100y3d	140.70	60.0500	18.50	16.22	20.8300	82.9	68.22	68.22
K	10y1d	79.42	12.0833	9.00	7.24	20.8300	85.5	68.22	68.22
K	25y3d	110.96	60.0500	14.90	12.76	20.8300	83.5	68.22	68.22
K	3Yr1D	53.08	12.0833	6.40	4.92	20.8300	87.2	68.22	68.22
K	5y1d	66.09	12.0833	7.70	6.07	20.8300	86.3	68.22	68.22

Simple Basin: L

Scenario:	Pumps
Node:	L
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	16.1600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	71.3900 ac
Curve Number:	64.0
% Impervious:	44.50
% DCIA:	44.50
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
L	100y3d	461.03	60.0667	18.50	15.51	71.3900	78.1	44.50	44.50
L	10y1d	244.96	12.1167	9.00	6.55	71.3900	79.9	44.50	44.50
L	25y3d	361.81	60.0667	14.90	12.05	71.3900	78.5	44.50	44.50
L	3Yr1D	156.16	12.1167	6.40	4.26	71.3900	81.1	44.50	44.50
L	5y1d	199.95	12.1167	7.70	5.39	71.3900	80.4	44.50	44.50

Simple Basin: M

Scenario:	Pumps
Node:	M
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	28.7900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	36.4600 ac
Curve Number:	55.0
% Impervious:	50.48
% DCIA:	50.48
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
M	100y3d	170.61	60.1833	18.50	14.96	36.4600	74.6	50.48	50.48
M	10y1d	87.16	12.2833	9.00	6.27	36.4600	77.6	50.48	50.48
M	25y3d	132.63	60.1833	14.90	11.58	36.4600	75.3	50.48	50.48
M	3Yr1D	55.40	12.2833	6.40	4.10	36.4600	79.6	50.48	50.48
M	5y1d	70.95	12.2833	7.70	5.16	36.4600	78.4	50.48	50.48

Simple Basin: N

Scenario:	Pumps
Node:	N
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	23.2800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	20.3800 ac
Curve Number:	55.0
% Impervious:	50.79
% DCIA:	50.79
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
N	100y3d	106.87	60.1333	18.50	14.98	20.3800	74.7	50.79	50.79
N	10y1d	54.54	12.2000	9.00	6.28	20.3800	77.7	50.79	50.79
N	25y3d	83.13	60.1333	14.90	11.60	20.3800	75.5	50.79	50.79
N	3Yr1D	34.68	12.2000	6.40	4.11	20.3800	79.7	50.79	50.79
N	5y1d	44.40	12.2000	7.70	5.18	20.3800	78.6	50.79	50.79

Simple Basin: O

Scenario:	Pumps
Node:	O
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.9100 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.6900 ac
Curve Number:	55.0
% Impervious:	50.27
% DCIA:	50.27
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
O	100y3d	59.12	60.1167	18.50	14.94	10.6900	74.5	50.27	50.27
O	10y1d	30.10	12.1667	9.00	6.26	10.6900	77.5	50.27	50.27
O	25y3d	45.98	60.1167	14.90	11.57	10.6900	75.3	50.27	50.27
O	3Yr1D	19.10	12.1667	6.40	4.09	10.6900	79.5	50.27	50.27
O	5y1d	24.49	12.1667	7.70	5.15	10.6900	78.4	50.27	50.27

Simple Basin: P1

Scenario:	Pumps
Node:	P1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	16.6300 ac
Curve Number:	61.0
% Impervious:	46.29
% DCIA:	46.29
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P1	100y3d	125.73	60.0167	18.50	15.29	16.6300	76.8	46.29	46.29
P1	10y1d	67.85	12.0500	9.00	6.43	16.6300	78.9	46.29	46.29
P1	25y3d	98.44	60.0167	14.90	11.86	16.6300	77.3	46.29	46.29
P1	3Yr1D	43.17	12.0500	6.40	4.18	16.6300	80.4	46.29	46.29
P1	5y1d	55.32	12.0500	7.70	5.29	16.6300	79.5	46.29	46.29

Simple Basin: P2

Scenario:	Pumps
Node:	P2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1400 ac
Curve Number:	61.0
% Impervious:	40.13
% DCIA:	40.13
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P2	100y3d	31.00	60.0167	18.50	14.93	4.1400	74.5	40.13	40.13
P2	10y1d	16.27	12.0500	9.00	6.13	4.1400	76.5	40.13	40.13
P2	25y3d	24.19	60.0167	14.90	11.52	4.1400	75.0	40.13	40.13
P2	3Yr1D	10.16	12.0500	6.40	3.93	4.1400	78.0	40.13	40.13
P2	5y1d	13.16	12.0500	7.70	5.01	4.1400	77.1	40.13	40.13

Simple Basin: P3

Scenario:	Pumps
Node:	P3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.3700 ac
Curve Number:	57.0
% Impervious:	58.75
% DCIA:	58.75
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P3	100y3d	86.23	60.0167	18.50	15.70	11.3700	79.5	58.75	58.75
P3	10y1d	48.07	12.0500	9.00	6.82	11.3700	82.1	58.75	58.75
P3	25y3d	67.72	60.0167	14.90	12.27	11.3700	80.1	58.75	58.75
P3	3Yr1D	31.42	12.0500	6.40	4.55	11.3700	83.8	58.75	58.75
P3	5y1d	39.63	12.0500	7.70	5.67	11.3700	82.9	58.75	58.75

Simple Basin: P4

Scenario:	Pumps
Node:	P4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	14.4300 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	13.5300 ac
Curve Number:	68.0
% Impervious:	40.87
% DCIA:	40.87
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P4	100y3d	92.65	60.0500	18.50	15.73	13.5300	79.6	40.87	40.87
P4	10y1d	50.37	12.1000	9.00	6.68	13.5300	81.0	40.87	40.87
P4	25y3d	72.99	60.0500	14.90	12.25	13.5300	79.9	40.87	40.87
P4	3Yr1D	32.27	12.1000	6.40	4.35	13.5300	81.9	40.87	40.87
P4	5y1d	41.23	12.1000	7.70	5.50	13.5300	81.4	40.87	40.87

Simple Basin: Q

Scenario:	Pumps
Node:	Q
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.7600 ac
Curve Number:	55.0
% Impervious:	61.72
% DCIA:	61.72
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
Q	100y3d	88.97	60.0167	18.50	15.75	11.7600	79.7	61.72	61.72
Q	10y1d	49.84	12.0500	9.00	6.88	11.7600	82.6	61.72	61.72
Q	25y3d	69.87	60.0167	14.90	12.32	11.7600	80.5	61.72	61.72
Q	3Yr1D	32.77	12.0500	6.40	4.62	11.7600	84.5	61.72	61.72
Q	5y1d	41.18	12.0500	7.70	5.73	11.7600	83.4	61.72	61.72

Simple Basin: R

Scenario:	Pumps
Node:	R
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.5600 ac
Curve Number:	56.0
% Impervious:	73.74
% DCIA:	73.74
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
R	100y3d	82.17	60.0167	18.50	16.66	10.5600	86.0	73.74	73.74
R	10y1d	48.85	12.0500	9.00	7.58	10.5600	88.3	73.74	73.74
R	25y3d	65.11	60.0167	14.90	13.17	10.5600	86.6	73.74	73.74
R	3Yr1D	33.10	12.0500	6.40	5.20	10.5600	89.7	73.74	73.74
R	5y1d	40.90	12.0500	7.70	6.38	10.5600	88.9	73.74	73.74

Simple Basin: S

Scenario:	Pumps
Node:	S
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.2600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	24.6500 ac
Curve Number:	55.0
% Impervious:	63.24
% DCIA:	63.24
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
S	100y3d	142.57	60.1000	18.50	15.87	24.6500	80.5	63.24	63.24
S	10y1d	77.92	12.1500	9.00	6.97	24.6500	83.3	63.24	63.24
S	25y3d	111.98	60.1000	14.90	12.43	24.6500	81.2	63.24	63.24
S	3Yr1D	51.42	12.1500	6.40	4.69	24.6500	85.1	63.24	63.24
S	5y1d	64.48	12.1500	7.70	5.82	24.6500	84.1	63.24	63.24

Simple Basin: T

Scenario:	Pumps
Node:	T
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	22.9900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.8100 ac
Curve Number:	55.0
% Impervious:	66.88
% DCIA:	66.88
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
T	100y3d	64.66	60.1333	18.50	16.12	11.8100	82.2	66.88	66.88
T	10y1d	36.00	12.1833	9.00	7.17	11.8100	84.9	66.88	66.88
T	25y3d	50.92	60.1333	14.90	12.68	11.8100	82.9	66.88	66.88
T	3Yr1D	23.98	12.1833	6.40	4.86	11.8100	86.6	66.88	66.88
T	5y1d	29.91	12.1833	7.70	6.00	11.8100	85.7	66.88	66.88

Simple Basin: U1

Scenario:	Pumps
Node:	U1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	11.7700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.1900 ac
Curve Number:	64.0
% Impervious:	41.09
% DCIA:	41.09
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U1	100y3d	37.54	60.0333	18.50	15.32	5.1900	76.9	41.09	41.09
U1	10y1d	20.05	12.0667	9.00	6.40	5.1900	78.7	41.09	41.09
U1	25y3d	29.43	60.0333	14.90	11.88	5.1900	77.4	41.09	41.09
U1	3Yr1D	12.68	12.0667	6.40	4.13	5.1900	79.9	41.09	41.09
U1	5y1d	16.31	12.0667	7.70	5.25	5.1900	79.2	41.09	41.09

Simple Basin: U2

Scenario:	Pumps
Node:	U2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	15.1000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	13.7300 ac
Curve Number:	63.0
% Impervious:	43.84
% DCIA:	43.84
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U2	100y3d	90.68	60.0667	18.50	15.37	13.7300	77.2	43.84	43.84
U2	10y1d	47.85	12.1000	9.00	6.45	13.7300	79.1	43.84	43.84
U2	25y3d	71.06	60.0667	14.90	11.93	13.7300	77.7	43.84	43.84
U2	3Yr1D	30.35	12.1000	6.40	4.19	13.7300	80.4	43.84	43.84
U2	5y1d	38.97	12.1000	7.70	5.30	13.7300	79.7	43.84	43.84

Simple Basin: U3

Scenario:	Pumps
Node:	U3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.6300 ac
Curve Number:	64.0
% Impervious:	41.09
% DCIA:	41.09
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U3	100y3d	50.48	60.0167	18.50	15.32	6.6300	76.9	41.09	41.09
U3	10y1d	27.29	12.0500	9.00	6.40	6.6300	78.7	41.09	41.09
U3	25y3d	39.58	60.0167	14.90	11.87	6.6300	77.4	41.09	41.09
U3	3Yr1D	17.27	12.0500	6.40	4.13	6.6300	79.9	41.09	41.09
U3	5y1d	22.21	12.0500	7.70	5.25	6.6300	79.2	41.09	41.09

Simple Basin: V

Scenario:	Pumps
Node:	V
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.9100 ac
Curve Number:	55.0
% Impervious:	69.82
% DCIA:	69.82
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
V	100y3d	53.18	60.0167	18.50	16.32	6.9100	83.6	69.82	69.82
V	10y1d	30.97	12.0500	9.00	7.33	6.9100	86.3	69.82	69.82
V	25y3d	42.00	60.0167	14.90	12.86	6.9100	84.3	69.82	69.82
V	3Yr1D	20.79	12.0500	6.40	4.99	6.9100	87.9	69.82	69.82
V	5y1d	25.82	12.0500	7.70	6.15	6.9100	87.0	69.82	69.82

Simple Basin: W

Scenario:	Pumps
Node:	W
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	21.4800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.6600 ac
Curve Number:	58.0
% Impervious:	90.06
% DCIA:	90.06
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [Pumps]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
W	100y3d	39.81	60.1167	18.50	17.84	6.6600	94.7	90.06	90.06
W	10y1d	24.67	12.1667	9.00	8.48	6.6600	95.7	90.06	90.06
W	25y3d	31.88	60.1167	14.90	14.28	6.6600	95.0	90.06	90.06
W	3Yr1D	17.26	12.1667	6.40	5.96	6.6600	96.3	90.06	90.06
W	5y1d	20.95	12.1667	7.70	7.22	6.6600	96.0	90.06	90.06

Simple Basin: A

Scenario:	PumpsSLR
Node:	A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.4700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	34.0900 ac
Curve Number:	74.0
% Impervious:	40.32
% DCIA:	40.32
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
A	100y3d	204.60	60.1000	18.50	16.32	34.0900	83.5	40.32	40.32
A	10y1d	115.43	12.1667	9.00	7.11	34.0900	84.4	40.32	40.32
A	25y3d	162.27	60.1000	14.90	12.80	34.0900	83.7	40.32	40.32
A	3Yr1D	75.46	12.1667	6.40	4.68	34.0900	85.0	40.32	40.32
A	5y1d	95.33	12.1667	7.70	5.88	34.0900	84.7	40.32	40.32

Simple Basin: B

Scenario:	PumpsSLR
Node:	B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.3700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8300 ac
Curve Number:	89.0
% Impervious:	40.42
% DCIA:	40.42
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B	100y3d	30.82	60.0167	18.50	17.64	3.8300	93.3	40.42	40.42
B	10y1d	19.73	12.0500	9.00	8.20	3.8300	93.4	40.42	40.42
B	25y3d	24.76	60.0167	14.90	14.06	3.8300	93.3	40.42	40.42
B	3Yr1D	13.70	12.0500	6.40	5.63	3.8300	93.5	40.42	40.42
B	5y1d	16.72	12.0500	7.70	6.91	3.8300	93.5	40.42	40.42

Simple Basin: C

Scenario:	PumpsSLR
Node:	C
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	18.8600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	23.8000 ac
Curve Number:	82.0
% Impervious:	41.16
% DCIA:	41.16
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
C	100y3d	151.58	60.0833	18.50	17.08	23.8000	89.0	41.16	41.16
C	10y1d	90.86	12.1333	9.00	7.71	23.8000	89.4	41.16	41.16
C	25y3d	121.18	60.0833	14.90	13.51	23.8000	89.1	41.16	41.16
C	3Yr1D	61.34	12.1333	6.40	5.20	23.8000	89.7	41.16	41.16
C	5y1d	76.09	12.1333	7.70	6.45	23.8000	89.5	41.16	41.16

Simple Basin: D

Scenario:	PumpsSLR
Node:	D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.1700 ac
Curve Number:	69.0
% Impervious:	70.25
% DCIA:	70.25
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
D	100y3d	81.13	60.0167	18.50	17.15	10.1700	89.5	70.25	70.25
D	10y1d	49.64	12.0500	9.00	7.86	10.1700	90.7	70.25	70.25
D	25y3d	64.70	60.0167	14.90	13.61	10.1700	89.8	70.25	70.25
D	3Yr1D	33.79	12.0500	6.40	5.39	10.1700	91.4	70.25	70.25
D	5y1d	41.68	12.0500	7.70	6.62	10.1700	91.0	70.25	70.25

Simple Basin: E1

Scenario:	PumpsSLR
Node:	E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	11.2500 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	36.9700 ac
Curve Number:	66.0
% Impervious:	40.33
% DCIA:	40.33
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E1	100y3d	273.58	60.0333	18.50	15.51	36.9700	78.1	40.33	40.33
E1	10y1d	148.73	12.0667	9.00	6.52	36.9700	79.6	40.33	40.33
E1	25y3d	215.02	60.0333	14.90	12.04	36.9700	78.4	40.33	40.33
E1	3Yr1D	94.58	12.0667	6.40	4.21	36.9700	80.7	40.33	40.33
E1	5y1d	121.33	12.0667	7.70	5.35	36.9700	80.1	40.33	40.33

Simple Basin: E2

Scenario:	PumpsSLR
Node:	E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	12.7400 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	7.2700 ac
Curve Number:	69.0
% Impervious:	41.69
% DCIA:	41.69
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E2	100y3d	52.36	60.0333	18.50	15.88	7.2700	80.6	41.69	41.69
E2	10y1d	28.98	12.0667	9.00	6.79	7.2700	81.8	41.69	41.69
E2	25y3d	41.32	60.0333	14.90	12.38	7.2700	80.9	41.69	41.69
E2	3Yr1D	18.68	12.0833	6.40	4.43	7.2700	82.7	41.69	41.69
E2	5y1d	23.78	12.0833	7.70	5.59	7.2700	82.2	41.69	41.69

Simple Basin: E3

Scenario:	PumpsSLR
Node:	E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	12.7700 ac
Curve Number:	68.0
% Impervious:	41.27
% DCIA:	41.27
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E3	100y3d	98.93	60.0167	18.50	15.75	12.7700	79.8	41.27	41.27
E3	10y1d	55.31	12.0500	9.00	6.69	12.7700	81.1	41.27	41.27
E3	25y3d	77.99	60.0167	14.90	12.27	12.7700	80.1	41.27	41.27
E3	3Yr1D	35.52	12.0500	6.40	4.36	12.7700	82.1	41.27	41.27
E3	5y1d	45.32	12.0500	7.70	5.51	12.7700	81.5	41.27	41.27

Simple Basin: F

Scenario:	PumpsSLR
Node:	F
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	21.9800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	14.3300 ac
Curve Number:	59.0
% Impervious:	68.43
% DCIA:	68.43
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
F	100y3d	81.63	60.1167	18.50	16.49	14.3300	84.7	68.43	68.43
F	10y1d	46.41	12.1833	9.00	7.41	14.3300	86.9	68.43	68.43
F	25y3d	64.56	60.1167	14.90	13.01	14.3300	85.3	68.43	68.43
F	3Yr1D	31.13	12.1833	6.40	5.04	14.3300	88.3	68.43	68.43
F	5y1d	38.69	12.1833	7.70	6.21	14.3300	87.5	68.43	68.43

Simple Basin: G

Scenario:	PumpsSLR
Node:	G
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	16.9600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.0100 ac
Curve Number:	64.0
% Impervious:	49.81
% DCIA:	49.81
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
G	100y3d	51.01	60.0667	18.50	15.80	8.0100	80.0	49.81	49.81
G	10y1d	27.67	12.1167	9.00	6.79	8.0100	81.8	49.81	49.81
G	25y3d	40.13	60.0667	14.90	12.33	8.0100	80.4	49.81	49.81
G	3Yr1D	17.88	12.1167	6.40	4.47	8.0100	83.1	49.81	49.81
G	5y1d	22.71	12.1167	7.70	5.61	8.0100	82.3	49.81	49.81

Simple Basin: H

Scenario:	PumpsSLR
Node:	H
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	17.0700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.1900 ac
Curve Number:	62.0
% Impervious:	61.93
% DCIA:	61.93
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
H	100y3d	52.48	60.0667	18.50	16.30	8.1900	83.4	61.93	61.93
H	10y1d	29.54	12.1167	9.00	7.23	8.1900	85.4	61.93	61.93
H	25y3d	41.47	60.0833	14.90	12.82	8.1900	83.9	61.93	61.93
H	3Yr1D	19.58	12.1167	6.40	4.86	8.1900	86.7	61.93	61.93
H	5y1d	24.50	12.1167	7.70	6.03	8.1900	85.9	61.93	61.93

Simple Basin: I

Scenario:	PumpsSLR
Node:	I
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	18.4600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.3400 ac
Curve Number:	66.0
% Impervious:	50.26
% DCIA:	50.26
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
I	100y3d	39.20	60.0833	18.50	16.00	6.3400	81.4	50.26	50.26
I	10y1d	21.53	12.1333	9.00	6.93	6.3400	83.0	50.26	50.26
I	25y3d	30.92	60.0833	14.90	12.51	6.3400	81.7	50.26	50.26
I	3Yr1D	13.99	12.1333	6.40	4.58	6.3400	84.1	50.26	50.26
I	5y1d	17.72	12.1333	7.70	5.74	6.3400	83.4	50.26	50.26

Simple Basin: J1

Scenario:	PumpsSLR
Node:	J1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.1400 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.6300 ac
Curve Number:	60.0
% Impervious:	49.98
% DCIA:	49.98
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J1	100y3d	65.02	60.0167	18.50	15.41	8.6300	77.6	49.98	49.98
J1	10y1d	35.39	12.0500	9.00	6.54	8.6300	79.9	49.98	49.98
J1	25y3d	50.95	60.0167	14.90	11.98	8.6300	78.1	49.98	49.98
J1	3Yr1D	22.70	12.0500	6.40	4.29	8.6300	81.4	49.98	49.98
J1	5y1d	28.95	12.0500	7.70	5.40	8.6300	80.5	49.98	49.98

Simple Basin: J2

Scenario:	PumpsSLR
Node:	J2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	27.6000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	27.4900 ac
Curve Number:	59.0
% Impervious:	69.19
% DCIA:	69.19
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J2	100y3d	139.19	60.1667	18.50	16.54	27.4900	85.1	69.19	69.19
J2	10y1d	79.63	12.2500	9.00	7.45	27.4900	87.2	69.19	69.19
J2	25y3d	110.12	60.1667	14.90	13.05	27.4900	85.6	69.19	69.19
J2	3Yr1D	53.49	12.2500	6.40	5.07	27.4900	88.6	69.19	69.19
J2	5y1d	66.42	12.2500	7.70	6.25	27.4900	87.8	69.19	69.19

Simple Basin: J3

Scenario:	PumpsSLR
Node:	J3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	24.8300 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	25.9500 ac
Curve Number:	55.0
% Impervious:	63.87
% DCIA:	63.87
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J3	100y3d	135.58	60.1500	18.50	15.91	25.9500	80.8	63.87	63.87
J3	10y1d	74.38	12.2167	9.00	7.01	25.9500	83.6	63.87	63.87
J3	25y3d	106.53	60.1500	14.90	12.47	25.9500	81.5	63.87	63.87
J3	3Yr1D	49.18	12.2167	6.40	4.72	25.9500	85.4	63.87	63.87
J3	5y1d	61.59	12.2167	7.70	5.85	25.9500	84.4	63.87	63.87

Simple Basin: K

Scenario:	PumpsSLR
Node:	K
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	14.5900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	20.8300 ac
Curve Number:	55.0
% Impervious:	68.22
% DCIA:	68.22
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
K	100y3d	140.70	60.0500	18.50	16.22	20.8300	82.9	68.22	68.22
K	10y1d	79.42	12.0833	9.00	7.24	20.8300	85.5	68.22	68.22
K	25y3d	110.96	60.0500	14.90	12.76	20.8300	83.5	68.22	68.22
K	3Yr1D	53.08	12.0833	6.40	4.92	20.8300	87.2	68.22	68.22
K	5y1d	66.09	12.0833	7.70	6.07	20.8300	86.3	68.22	68.22

Simple Basin: L

Scenario:	PumpsSLR
Node:	L
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	16.1600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	71.3900 ac
Curve Number:	68.0
% Impervious:	44.50
% DCIA:	44.50
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
L	100y3d	468.80	60.0667	18.50	15.91	71.3900	80.8	44.50	44.50
L	10y1d	256.88	12.1167	9.00	6.82	71.3900	82.1	44.50	44.50
L	25y3d	369.81	60.0667	14.90	12.42	71.3900	81.1	44.50	44.50
L	3Yr1D	165.85	12.1167	6.40	4.47	71.3900	83.1	44.50	44.50
L	5y1d	210.91	12.1167	7.70	5.63	71.3900	82.5	44.50	44.50

Simple Basin: M

Scenario:	PumpsSLR
Node:	M
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	28.7900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	36.4600 ac
Curve Number:	55.0
% Impervious:	50.48
% DCIA:	50.48
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
M	100y3d	170.61	60.1833	18.50	14.96	36.4600	74.6	50.48	50.48
M	10y1d	87.16	12.2833	9.00	6.27	36.4600	77.6	50.48	50.48
M	25y3d	132.63	60.1833	14.90	11.58	36.4600	75.3	50.48	50.48
M	3Yr1D	55.40	12.2833	6.40	4.10	36.4600	79.6	50.48	50.48
M	5y1d	70.95	12.2833	7.70	5.16	36.4600	78.4	50.48	50.48

Simple Basin: N

Scenario:	PumpsSLR
Node:	N
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	23.2800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	20.3800 ac
Curve Number:	55.0
% Impervious:	50.79
% DCIA:	50.79
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
N	100y3d	106.87	60.1333	18.50	14.98	20.3800	74.7	50.79	50.79
N	10y1d	54.54	12.2000	9.00	6.28	20.3800	77.7	50.79	50.79
N	25y3d	83.13	60.1333	14.90	11.60	20.3800	75.5	50.79	50.79
N	3Yr1D	34.68	12.2000	6.40	4.11	20.3800	79.7	50.79	50.79
N	5y1d	44.40	12.2000	7.70	5.18	20.3800	78.6	50.79	50.79

Simple Basin: O

Scenario:	PumpsSLR
Node:	O
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.9100 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.6900 ac
Curve Number:	56.0
% Impervious:	50.27
% DCIA:	50.27
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
O	100y3d	59.46	60.1167	18.50	15.05	10.6900	75.2	50.27	50.27
O	10y1d	30.48	12.1667	9.00	6.32	10.6900	78.0	50.27	50.27
O	25y3d	46.31	60.1167	14.90	11.66	10.6900	75.8	50.27	50.27
O	3Yr1D	19.37	12.1667	6.40	4.13	10.6900	79.9	50.27	50.27
O	5y1d	24.82	12.1667	7.70	5.20	10.6900	78.8	50.27	50.27

Simple Basin: P1

Scenario:	PumpsSLR
Node:	P1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	16.6300 ac
Curve Number:	65.0
% Impervious:	46.29
% DCIA:	46.29
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P1	100y3d	127.98	60.0167	18.50	15.69	16.6300	79.4	46.29	46.29
P1	10y1d	71.14	12.0500	9.00	6.69	16.6300	81.1	46.29	46.29
P1	25y3d	100.73	60.0167	14.90	12.23	16.6300	79.8	46.29	46.29
P1	3Yr1D	45.78	12.0500	6.40	4.38	16.6300	82.3	46.29	46.29
P1	5y1d	58.31	12.0500	7.70	5.52	16.6300	81.6	46.29	46.29

Simple Basin: P2

Scenario:	PumpsSLR
Node:	P2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1400 ac
Curve Number:	66.0
% Impervious:	40.13
% DCIA:	40.13
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P2	100y3d	31.77	60.0167	18.50	15.48	4.1400	78.0	40.13	40.13
P2	10y1d	17.41	12.0500	9.00	6.50	4.1400	79.5	40.13	40.13
P2	25y3d	24.97	60.0167	14.90	12.02	4.1400	78.4	40.13	40.13
P2	3Yr1D	11.07	12.0500	6.40	4.20	4.1400	80.6	40.13	40.13
P2	5y1d	14.20	12.0500	7.70	5.34	4.1400	80.0	40.13	40.13

Simple Basin: P3

Scenario:	PumpsSLR
Node:	P3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.3700 ac
Curve Number:	62.0
% Impervious:	58.75
% DCIA:	58.75
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P3	100y3d	87.91	60.0167	18.50	16.11	11.3700	82.2	58.75	58.75
P3	10y1d	50.29	12.0500	9.00	7.07	11.3700	84.2	58.75	58.75
P3	25y3d	69.39	60.0167	14.90	12.63	11.3700	82.7	58.75	58.75
P3	3Yr1D	33.12	12.0500	6.40	4.73	11.3700	85.5	58.75	58.75
P3	5y1d	41.61	12.0500	7.70	5.89	11.3700	84.8	58.75	58.75

Simple Basin: P4

Scenario:	PumpsSLR
Node:	P4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	14.4300 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	13.5300 ac
Curve Number:	73.0
% Impervious:	40.87
% DCIA:	40.87
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P4	100y3d	94.34	60.0500	18.50	16.24	13.5300	83.0	40.87	40.87
P4	10y1d	53.40	12.0833	9.00	7.05	13.5300	83.9	40.87	40.87
P4	25y3d	74.78	60.0500	14.90	12.72	13.5300	83.2	40.87	40.87
P4	3Yr1D	34.84	12.1000	6.40	4.64	13.5300	84.6	40.87	40.87
P4	5y1d	44.05	12.0833	7.70	5.83	13.5300	84.2	40.87	40.87

Simple Basin: Q

Scenario:	PumpsSLR
Node:	Q
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.7600 ac
Curve Number:	55.0
% Impervious:	61.72
% DCIA:	61.72
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
Q	100y3d	88.97	60.0167	18.50	15.75	11.7600	79.7	61.72	61.72
Q	10y1d	49.84	12.0500	9.00	6.88	11.7600	82.6	61.72	61.72
Q	25y3d	69.87	60.0167	14.90	12.32	11.7600	80.5	61.72	61.72
Q	3Yr1D	32.77	12.0500	6.40	4.62	11.7600	84.5	61.72	61.72
Q	5y1d	41.18	12.0500	7.70	5.73	11.7600	83.4	61.72	61.72

Simple Basin: R

Scenario:	PumpsSLR
Node:	R
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.5600 ac
Curve Number:	57.0
% Impervious:	73.74
% DCIA:	73.74
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
R	100y3d	82.39	60.0167	18.50	16.71	10.5600	86.4	73.74	73.74
R	10y1d	49.11	12.0500	9.00	7.61	10.5600	88.6	73.74	73.74
R	25y3d	65.33	60.0167	14.90	13.22	10.5600	86.9	73.74	73.74
R	3Yr1D	33.29	12.0500	6.40	5.22	10.5600	89.9	73.74	73.74
R	5y1d	41.13	12.0500	7.70	6.40	10.5600	89.2	73.74	73.74

Simple Basin: S

Scenario:	PumpsSLR
Node:	S
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.2600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	24.6500 ac
Curve Number:	55.0
% Impervious:	63.24
% DCIA:	63.24
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
S	100y3d	142.57	60.1000	18.50	15.87	24.6500	80.5	63.24	63.24
S	10y1d	77.92	12.1500	9.00	6.97	24.6500	83.3	63.24	63.24
S	25y3d	111.98	60.1000	14.90	12.43	24.6500	81.2	63.24	63.24
S	3Yr1D	51.42	12.1500	6.40	4.69	24.6500	85.1	63.24	63.24
S	5y1d	64.48	12.1500	7.70	5.82	24.6500	84.1	63.24	63.24

Simple Basin: T

Scenario:	PumpsSLR
Node:	T
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	22.9900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.8100 ac
Curve Number:	55.0
% Impervious:	66.88
% DCIA:	66.88
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
T	100y3d	64.66	60.1333	18.50	16.12	11.8100	82.2	66.88	66.88
T	10y1d	36.00	12.1833	9.00	7.17	11.8100	84.9	66.88	66.88
T	25y3d	50.92	60.1333	14.90	12.68	11.8100	82.9	66.88	66.88
T	3Yr1D	23.98	12.1833	6.40	4.86	11.8100	86.6	66.88	66.88
T	5y1d	29.91	12.1833	7.70	6.00	11.8100	85.7	66.88	66.88

Simple Basin: U1

Scenario:	PumpsSLR
Node:	U1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	11.7700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.1900 ac
Curve Number:	72.0
% Impervious:	41.09
% DCIA:	41.09
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U1	100y3d	38.75	60.0333	18.50	16.15	5.1900	82.4	41.09	41.09
U1	10y1d	22.08	12.0667	9.00	6.98	5.1900	83.4	41.09	41.09
U1	25y3d	30.69	60.0333	14.90	12.64	5.1900	82.6	41.09	41.09
U1	3Yr1D	14.38	12.0667	6.40	4.58	5.1900	84.1	41.09	41.09
U1	5y1d	18.21	12.0667	7.70	5.77	5.1900	83.7	41.09	41.09

Simple Basin: U2

Scenario:	PumpsSLR
Node:	U2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	15.1000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	13.7300 ac
Curve Number:	68.0
% Impervious:	43.84
% DCIA:	43.84
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U2	100y3d	92.65	60.0667	18.50	15.88	13.7300	80.5	43.84	43.84
U2	10y1d	50.85	12.1000	9.00	6.80	13.7300	81.9	43.84	43.84
U2	25y3d	73.08	60.0667	14.90	12.39	13.7300	80.9	43.84	43.84
U2	3Yr1D	32.78	12.1000	6.40	4.45	13.7300	82.9	43.84	43.84
U2	5y1d	41.72	12.1000	7.70	5.61	13.7300	82.3	43.84	43.84

Simple Basin: U3

Scenario:	PumpsSLR
Node:	U3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.6300 ac
Curve Number:	64.0
% Impervious:	41.09
% DCIA:	41.09
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U3	100y3d	50.48	60.0167	18.50	15.32	6.6300	76.9	41.09	41.09
U3	10y1d	27.29	12.0500	9.00	6.40	6.6300	78.7	41.09	41.09
U3	25y3d	39.58	60.0167	14.90	11.87	6.6300	77.4	41.09	41.09
U3	3Yr1D	17.27	12.0500	6.40	4.13	6.6300	79.9	41.09	41.09
U3	5y1d	22.21	12.0500	7.70	5.25	6.6300	79.2	41.09	41.09

Simple Basin: V

Scenario:	PumpsSLR
Node:	V
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.9100 ac
Curve Number:	55.0
% Impervious:	69.82
% DCIA:	69.82
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
V	100y3d	53.18	60.0167	18.50	16.32	6.9100	83.6	69.82	69.82
V	10y1d	30.97	12.0500	9.00	7.33	6.9100	86.3	69.82	69.82
V	25y3d	42.00	60.0167	14.90	12.86	6.9100	84.3	69.82	69.82
V	3Yr1D	20.79	12.0500	6.40	4.99	6.9100	87.9	69.82	69.82
V	5y1d	25.82	12.0500	7.70	6.15	6.9100	87.0	69.82	69.82

Simple Basin: W

Scenario:	PumpsSLR
Node:	W
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	21.4800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.6600 ac
Curve Number:	65.0
% Impervious:	90.06
% DCIA:	90.06
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [PumpsSLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
W	100y3d	40.04	60.1167	18.50	17.97	6.6600	95.8	90.06	90.06
W	10y1d	24.98	12.1667	9.00	8.57	6.6600	96.5	90.06	90.06
W	25y3d	32.12	60.1167	14.90	14.40	6.6600	96.0	90.06	90.06
W	3Yr1D	17.50	12.1667	6.40	6.02	6.6600	96.9	90.06	90.06
W	5y1d	21.24	12.1667	7.70	7.29	6.6600	96.6	90.06	90.06

Simple Basin: A

Scenario:	SLR
Node:	A
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.4700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	34.0900 ac
Curve Number:	74.0
% Impervious:	40.32
% DCIA:	40.32
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
A	100y3d	204.60	60.1000	18.50	16.32	34.0900	83.5	40.32	40.32
A	10y1d	115.43	12.1667	9.00	7.11	34.0900	84.4	40.32	40.32
A	25y3d	162.27	60.1000	14.90	12.80	34.0900	83.7	40.32	40.32
A	3Yr1D	75.46	12.1667	6.40	4.68	34.0900	85.0	40.32	40.32
A	5y1d	95.33	12.1667	7.70	5.88	34.0900	84.7	40.32	40.32

Simple Basin: B

Scenario:	SLR
Node:	B
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.3700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	3.8300 ac
Curve Number:	89.0
% Impervious:	40.42
% DCIA:	40.42
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
B	100y3d	30.82	60.0167	18.50	17.64	3.8300	93.3	40.42	40.42
B	10y1d	19.73	12.0500	9.00	8.20	3.8300	93.4	40.42	40.42
B	25y3d	24.76	60.0167	14.90	14.06	3.8300	93.3	40.42	40.42
B	3Yr1D	13.70	12.0500	6.40	5.63	3.8300	93.5	40.42	40.42
B	5y1d	16.72	12.0500	7.70	6.91	3.8300	93.5	40.42	40.42

Simple Basin: C

Scenario:	SLR
Node:	C
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	18.8600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	23.8000 ac
Curve Number:	82.0
% Impervious:	41.16
% DCIA:	41.16
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
C	100y3d	151.58	60.0833	18.50	17.08	23.8000	89.0	41.16	41.16
C	10y1d	90.86	12.1333	9.00	7.71	23.8000	89.4	41.16	41.16
C	25y3d	121.18	60.0833	14.90	13.51	23.8000	89.1	41.16	41.16
C	3Yr1D	61.34	12.1333	6.40	5.20	23.8000	89.7	41.16	41.16
C	5y1d	76.09	12.1333	7.70	6.45	23.8000	89.5	41.16	41.16

Simple Basin: D

Scenario:	SLR
Node:	D
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.1700 ac
Curve Number:	69.0
% Impervious:	70.25
% DCIA:	70.25
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
D	100y3d	81.13	60.0167	18.50	17.15	10.1700	89.5	70.25	70.25
D	10y1d	49.64	12.0500	9.00	7.86	10.1700	90.7	70.25	70.25
D	25y3d	64.70	60.0167	14.90	13.61	10.1700	89.8	70.25	70.25
D	3Yr1D	33.79	12.0500	6.40	5.39	10.1700	91.4	70.25	70.25
D	5y1d	41.68	12.0500	7.70	6.62	10.1700	91.0	70.25	70.25

Simple Basin: E1

Scenario:	SLR
Node:	E1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	11.2500 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	36.9700 ac
Curve Number:	66.0
% Impervious:	40.33
% DCIA:	40.33
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E1	100y3d	273.58	60.0333	18.50	15.51	36.9700	78.1	40.33	40.33
E1	10y1d	148.73	12.0667	9.00	6.52	36.9700	79.6	40.33	40.33
E1	25y3d	215.02	60.0333	14.90	12.04	36.9700	78.4	40.33	40.33
E1	3Yr1D	94.58	12.0667	6.40	4.21	36.9700	80.7	40.33	40.33
E1	5y1d	121.33	12.0667	7.70	5.35	36.9700	80.1	40.33	40.33

Simple Basin: E2

Scenario:	SLR
Node:	E2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	12.7400 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	7.2700 ac
Curve Number:	69.0
% Impervious:	41.69
% DCIA:	41.69
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E2	100y3d	52.36	60.0333	18.50	15.88	7.2700	80.6	41.69	41.69
E2	10y1d	28.98	12.0667	9.00	6.79	7.2700	81.8	41.69	41.69
E2	25y3d	41.32	60.0333	14.90	12.38	7.2700	80.9	41.69	41.69
E2	3Yr1D	18.68	12.0833	6.40	4.43	7.2700	82.7	41.69	41.69
E2	5y1d	23.78	12.0833	7.70	5.59	7.2700	82.2	41.69	41.69

Simple Basin: E3

Scenario:	SLR
Node:	E3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	12.7700 ac
Curve Number:	68.0
% Impervious:	41.27
% DCIA:	41.27
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
E3	100y3d	98.93	60.0167	18.50	15.75	12.7700	79.8	41.27	41.27
E3	10y1d	55.31	12.0500	9.00	6.69	12.7700	81.1	41.27	41.27
E3	25y3d	77.99	60.0167	14.90	12.27	12.7700	80.1	41.27	41.27
E3	3Yr1D	35.52	12.0500	6.40	4.36	12.7700	82.1	41.27	41.27
E3	5y1d	45.32	12.0500	7.70	5.51	12.7700	81.5	41.27	41.27

Simple Basin: F

Scenario:	SLR
Node:	F
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	21.9800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	14.3300 ac
Curve Number:	59.0
% Impervious:	68.43
% DCIA:	68.43
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
F	100y3d	81.63	60.1167	18.50	16.49	14.3300	84.7	68.43	68.43
F	10y1d	46.41	12.1833	9.00	7.41	14.3300	86.9	68.43	68.43
F	25y3d	64.56	60.1167	14.90	13.01	14.3300	85.3	68.43	68.43
F	3Yr1D	31.13	12.1833	6.40	5.04	14.3300	88.3	68.43	68.43
F	5y1d	38.69	12.1833	7.70	6.21	14.3300	87.5	68.43	68.43

Simple Basin: G

Scenario:	SLR
Node:	G
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	16.9600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.0100 ac
Curve Number:	64.0
% Impervious:	49.81
% DCIA:	49.81
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
G	100y3d	51.01	60.0667	18.50	15.80	8.0100	80.0	49.81	49.81
G	10y1d	27.67	12.1167	9.00	6.79	8.0100	81.8	49.81	49.81
G	25y3d	40.13	60.0667	14.90	12.33	8.0100	80.4	49.81	49.81
G	3Yr1D	17.88	12.1167	6.40	4.47	8.0100	83.1	49.81	49.81
G	5y1d	22.71	12.1167	7.70	5.61	8.0100	82.3	49.81	49.81

Simple Basin: H

Scenario:	SLR
Node:	H
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	17.0700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.1900 ac
Curve Number:	62.0
% Impervious:	61.93
% DCIA:	61.93
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
H	100y3d	52.48	60.0667	18.50	16.30	8.1900	83.4	61.93	61.93
H	10y1d	29.54	12.1167	9.00	7.23	8.1900	85.4	61.93	61.93
H	25y3d	41.47	60.0833	14.90	12.82	8.1900	83.9	61.93	61.93
H	3Yr1D	19.58	12.1167	6.40	4.86	8.1900	86.7	61.93	61.93
H	5y1d	24.50	12.1167	7.70	6.03	8.1900	85.9	61.93	61.93

Simple Basin: I

Scenario:	SLR
Node:	I
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	18.4600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.3400 ac
Curve Number:	66.0
% Impervious:	50.26
% DCIA:	50.26
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
I	100y3d	39.20	60.0833	18.50	16.00	6.3400	81.4	50.26	50.26
I	10y1d	21.53	12.1333	9.00	6.93	6.3400	83.0	50.26	50.26
I	25y3d	30.92	60.0833	14.90	12.51	6.3400	81.7	50.26	50.26
I	3Yr1D	13.99	12.1333	6.40	4.58	6.3400	84.1	50.26	50.26
I	5y1d	17.72	12.1333	7.70	5.74	6.3400	83.4	50.26	50.26

Simple Basin: J1

Scenario:	SLR
Node:	J1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.1400 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	8.6300 ac
Curve Number:	60.0
% Impervious:	49.98
% DCIA:	49.98
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J1	100y3d	65.02	60.0167	18.50	15.41	8.6300	77.6	49.98	49.98
J1	10y1d	35.39	12.0500	9.00	6.54	8.6300	79.9	49.98	49.98
J1	25y3d	50.95	60.0167	14.90	11.98	8.6300	78.1	49.98	49.98
J1	3Yr1D	22.70	12.0500	6.40	4.29	8.6300	81.4	49.98	49.98
J1	5y1d	28.95	12.0500	7.70	5.40	8.6300	80.5	49.98	49.98

Simple Basin: J2

Scenario:	SLR
Node:	J2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	27.6000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	27.4900 ac
Curve Number:	59.0
% Impervious:	69.19
% DCIA:	69.19
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J2	100y3d	139.19	60.1667	18.50	16.54	27.4900	85.1	69.19	69.19
J2	10y1d	79.63	12.2500	9.00	7.45	27.4900	87.2	69.19	69.19
J2	25y3d	110.12	60.1667	14.90	13.05	27.4900	85.6	69.19	69.19
J2	3Yr1D	53.49	12.2500	6.40	5.07	27.4900	88.6	69.19	69.19
J2	5y1d	66.42	12.2500	7.70	6.25	27.4900	87.8	69.19	69.19

Simple Basin: J3

Scenario:	SLR
Node:	J3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	24.8300 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	25.9500 ac
Curve Number:	55.0
% Impervious:	63.87
% DCIA:	63.87
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
J3	100y3d	135.58	60.1500	18.50	15.91	25.9500	80.8	63.87	63.87
J3	10y1d	74.38	12.2167	9.00	7.01	25.9500	83.6	63.87	63.87
J3	25y3d	106.53	60.1500	14.90	12.47	25.9500	81.5	63.87	63.87
J3	3Yr1D	49.18	12.2167	6.40	4.72	25.9500	85.4	63.87	63.87
J3	5y1d	61.59	12.2167	7.70	5.85	25.9500	84.4	63.87	63.87

Simple Basin: K

Scenario:	SLR
Node:	K
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	14.5900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	20.8300 ac
Curve Number:	55.0
% Impervious:	68.22
% DCIA:	68.22
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
K	100y3d	140.70	60.0500	18.50	16.22	20.8300	82.9	68.22	68.22
K	10y1d	79.42	12.0833	9.00	7.24	20.8300	85.5	68.22	68.22
K	25y3d	110.96	60.0500	14.90	12.76	20.8300	83.5	68.22	68.22
K	3Yr1D	53.08	12.0833	6.40	4.92	20.8300	87.2	68.22	68.22
K	5y1d	66.09	12.0833	7.70	6.07	20.8300	86.3	68.22	68.22

Simple Basin: L

Scenario:	SLR
Node:	L
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	16.1600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	71.3900 ac
Curve Number:	68.0
% Impervious:	44.50
% DCIA:	44.50
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
L	100y3d	468.80	60.0667	18.50	15.91	71.3900	80.8	44.50	44.50
L	10y1d	256.88	12.1167	9.00	6.82	71.3900	82.1	44.50	44.50
L	25y3d	369.81	60.0667	14.90	12.42	71.3900	81.1	44.50	44.50
L	3Yr1D	165.85	12.1167	6.40	4.47	71.3900	83.1	44.50	44.50
L	5y1d	210.91	12.1167	7.70	5.63	71.3900	82.5	44.50	44.50

Simple Basin: M

Scenario:	SLR
Node:	M
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	28.7900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	36.4600 ac
Curve Number:	55.0
% Impervious:	50.48
% DCIA:	50.48
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
M	100y3d	170.61	60.1833	18.50	14.96	36.4600	74.6	50.48	50.48
M	10y1d	87.16	12.2833	9.00	6.27	36.4600	77.6	50.48	50.48
M	25y3d	132.63	60.1833	14.90	11.58	36.4600	75.3	50.48	50.48
M	3Yr1D	55.40	12.2833	6.40	4.10	36.4600	79.6	50.48	50.48
M	5y1d	70.95	12.2833	7.70	5.16	36.4600	78.4	50.48	50.48

Simple Basin: N

Scenario:	SLR
Node:	N
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	23.2800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	20.3800 ac
Curve Number:	55.0
% Impervious:	50.79
% DCIA:	50.79
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
N	100y3d	106.87	60.1333	18.50	14.98	20.3800	74.7	50.79	50.79
N	10y1d	54.54	12.2000	9.00	6.28	20.3800	77.7	50.79	50.79
N	25y3d	83.13	60.1333	14.90	11.60	20.3800	75.5	50.79	50.79
N	3Yr1D	34.68	12.2000	6.40	4.11	20.3800	79.7	50.79	50.79
N	5y1d	44.40	12.2000	7.70	5.18	20.3800	78.6	50.79	50.79

Simple Basin: O

Scenario:	SLR
Node:	O
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.9100 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.6900 ac
Curve Number:	56.0
% Impervious:	50.27
% DCIA:	50.27
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
O	100y3d	59.46	60.1167	18.50	15.05	10.6900	75.2	50.27	50.27
O	10y1d	30.48	12.1667	9.00	6.32	10.6900	78.0	50.27	50.27
O	25y3d	46.31	60.1167	14.90	11.66	10.6900	75.8	50.27	50.27
O	3Yr1D	19.37	12.1667	6.40	4.13	10.6900	79.9	50.27	50.27
O	5y1d	24.82	12.1667	7.70	5.20	10.6900	78.8	50.27	50.27

Simple Basin: P1

Scenario:	SLR
Node:	P1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	16.6300 ac
Curve Number:	65.0
% Impervious:	46.29
% DCIA:	46.29
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P1	100y3d	127.98	60.0167	18.50	15.69	16.6300	79.4	46.29	46.29
P1	10y1d	71.14	12.0500	9.00	6.69	16.6300	81.1	46.29	46.29
P1	25y3d	100.73	60.0167	14.90	12.23	16.6300	79.8	46.29	46.29
P1	3Yr1D	45.78	12.0500	6.40	4.38	16.6300	82.3	46.29	46.29
P1	5y1d	58.31	12.0500	7.70	5.52	16.6300	81.6	46.29	46.29

Simple Basin: P2

Scenario:	SLR
Node:	P2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	4.1400 ac
Curve Number:	66.0
% Impervious:	40.13
% DCIA:	40.13
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P2	100y3d	31.77	60.0167	18.50	15.48	4.1400	78.0	40.13	40.13
P2	10y1d	17.41	12.0500	9.00	6.50	4.1400	79.5	40.13	40.13
P2	25y3d	24.97	60.0167	14.90	12.02	4.1400	78.4	40.13	40.13
P2	3Yr1D	11.07	12.0500	6.40	4.20	4.1400	80.6	40.13	40.13
P2	5y1d	14.20	12.0500	7.70	5.34	4.1400	80.0	40.13	40.13

Simple Basin: P3

Scenario:	SLR
Node:	P3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.3700 ac
Curve Number:	62.0
% Impervious:	58.75
% DCIA:	58.75
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P3	100y3d	87.91	60.0167	18.50	16.11	11.3700	82.2	58.75	58.75
P3	10y1d	50.29	12.0500	9.00	7.07	11.3700	84.2	58.75	58.75
P3	25y3d	69.39	60.0167	14.90	12.63	11.3700	82.7	58.75	58.75
P3	3Yr1D	33.12	12.0500	6.40	4.73	11.3700	85.5	58.75	58.75
P3	5y1d	41.61	12.0500	7.70	5.89	11.3700	84.8	58.75	58.75

Simple Basin: P4

Scenario:	SLR
Node:	P4
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	14.4300 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	13.5300 ac
Curve Number:	73.0
% Impervious:	40.87
% DCIA:	40.87
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
P4	100y3d	94.34	60.0500	18.50	16.24	13.5300	83.0	40.87	40.87
P4	10y1d	53.40	12.0833	9.00	7.05	13.5300	83.9	40.87	40.87
P4	25y3d	74.78	60.0500	14.90	12.72	13.5300	83.2	40.87	40.87
P4	3Yr1D	34.84	12.1000	6.40	4.64	13.5300	84.6	40.87	40.87
P4	5y1d	44.05	12.0833	7.70	5.83	13.5300	84.2	40.87	40.87

Simple Basin: Q

Scenario:	SLR
Node:	Q
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.7600 ac
Curve Number:	55.0
% Impervious:	61.72
% DCIA:	61.72
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
Q	100y3d	88.97	60.0167	18.50	15.75	11.7600	79.7	61.72	61.72
Q	10y1d	49.84	12.0500	9.00	6.88	11.7600	82.6	61.72	61.72
Q	25y3d	69.87	60.0167	14.90	12.32	11.7600	80.5	61.72	61.72
Q	3Yr1D	32.77	12.0500	6.40	4.62	11.7600	84.5	61.72	61.72
Q	5y1d	41.18	12.0500	7.70	5.73	11.7600	83.4	61.72	61.72

Simple Basin: R

Scenario:	SLR
Node:	R
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	10.5600 ac
Curve Number:	57.0
% Impervious:	73.74
% DCIA:	73.74
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
R	100y3d	82.39	60.0167	18.50	16.71	10.5600	86.4	73.74	73.74
R	10y1d	49.11	12.0500	9.00	7.61	10.5600	88.6	73.74	73.74
R	25y3d	65.33	60.0167	14.90	13.22	10.5600	86.9	73.74	73.74
R	3Yr1D	33.29	12.0500	6.40	5.22	10.5600	89.9	73.74	73.74
R	5y1d	41.13	12.0500	7.70	6.40	10.5600	89.2	73.74	73.74

Simple Basin: S

Scenario:	SLR
Node:	S
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	20.2600 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	24.6500 ac
Curve Number:	55.0
% Impervious:	63.24
% DCIA:	63.24
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
S	100y3d	142.57	60.1000	18.50	15.87	24.6500	80.5	63.24	63.24
S	10y1d	77.92	12.1500	9.00	6.97	24.6500	83.3	63.24	63.24
S	25y3d	111.98	60.1000	14.90	12.43	24.6500	81.2	63.24	63.24
S	3Yr1D	51.42	12.1500	6.40	4.69	24.6500	85.1	63.24	63.24
S	5y1d	64.48	12.1500	7.70	5.82	24.6500	84.1	63.24	63.24

Simple Basin: T

Scenario:	SLR
Node:	T
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	22.9900 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	11.8100 ac
Curve Number:	55.0
% Impervious:	66.88
% DCIA:	66.88
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
T	100y3d	64.66	60.1333	18.50	16.12	11.8100	82.2	66.88	66.88
T	10y1d	36.00	12.1833	9.00	7.17	11.8100	84.9	66.88	66.88
T	25y3d	50.92	60.1333	14.90	12.68	11.8100	82.9	66.88	66.88
T	3Yr1D	23.98	12.1833	6.40	4.86	11.8100	86.6	66.88	66.88
T	5y1d	29.91	12.1833	7.70	6.00	11.8100	85.7	66.88	66.88

Simple Basin: U1

Scenario:	SLR
Node:	U1
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	11.7700 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	5.1900 ac
Curve Number:	72.0
% Impervious:	41.09
% DCIA:	41.09
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U1	100y3d	38.75	60.0333	18.50	16.15	5.1900	82.4	41.09	41.09
U1	10y1d	22.08	12.0667	9.00	6.98	5.1900	83.4	41.09	41.09
U1	25y3d	30.69	60.0333	14.90	12.64	5.1900	82.6	41.09	41.09
U1	3Yr1D	14.38	12.0667	6.40	4.58	5.1900	84.1	41.09	41.09
U1	5y1d	18.21	12.0667	7.70	5.77	5.1900	83.7	41.09	41.09

Simple Basin: U2

Scenario:	SLR
Node:	U2
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	15.1000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	13.7300 ac
Curve Number:	68.0
% Impervious:	43.84
% DCIA:	43.84
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U2	100y3d	92.65	60.0667	18.50	15.88	13.7300	80.5	43.84	43.84
U2	10y1d	50.85	12.1000	9.00	6.80	13.7300	81.9	43.84	43.84
U2	25y3d	73.08	60.0667	14.90	12.39	13.7300	80.9	43.84	43.84
U2	3Yr1D	32.78	12.1000	6.40	4.45	13.7300	82.9	43.84	43.84
U2	5y1d	41.72	12.1000	7.70	5.61	13.7300	82.3	43.84	43.84

Simple Basin: U3

Scenario:	SLR
Node:	U3
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.6300 ac
Curve Number:	64.0
% Impervious:	41.09
% DCIA:	41.09
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
U3	100y3d	50.48	60.0167	18.50	15.32	6.6300	76.9	41.09	41.09
U3	10y1d	27.29	12.0500	9.00	6.40	6.6300	78.7	41.09	41.09
U3	25y3d	39.58	60.0167	14.90	11.87	6.6300	77.4	41.09	41.09
U3	3Yr1D	17.27	12.0500	6.40	4.13	6.6300	79.9	41.09	41.09
U3	5y1d	22.21	12.0500	7.70	5.25	6.6300	79.2	41.09	41.09

Simple Basin: V

Scenario:	SLR
Node:	V
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	10.0000 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.9100 ac
Curve Number:	55.0
% Impervious:	69.82
% DCIA:	69.82
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
V	100y3d	53.18	60.0167	18.50	16.32	6.9100	83.6	69.82	69.82
V	10y1d	30.97	12.0500	9.00	7.33	6.9100	86.3	69.82	69.82
V	25y3d	42.00	60.0167	14.90	12.86	6.9100	84.3	69.82	69.82
V	3Yr1D	20.79	12.0500	6.40	4.99	6.9100	87.9	69.82	69.82
V	5y1d	25.82	12.0500	7.70	6.15	6.9100	87.0	69.82	69.82

Simple Basin: W

Scenario:	SLR
Node:	W
Hydrograph Method:	NRCS Unit Hydrograph
Infiltration Method:	Curve Number
Time of Concentration:	21.4800 min
Max Allowable Q:	999999.00 cfs
Time Shift:	0.0000 hr
Unit Hydrograph:	UH256
Peaking Factor:	256.0
Area:	6.6600 ac
Curve Number:	65.0
% Impervious:	90.06
% DCIA:	90.06
% Direct:	0.00
Rainfall Name:	

Comment:

Simple Basin Runoff Summary [SLR]

Basin Name	Sim Name	Max Flow [cfs]	Time to Max Flow [hrs]	Total Rainfall [in]	Total Runoff [in]	Area [ac]	Equivalent Curve Number	% Imperv	% DCIA
W	100y3d	40.04	60.1167	18.50	17.97	6.6600	95.8	90.06	90.06
W	10y1d	24.98	12.1667	9.00	8.57	6.6600	96.5	90.06	90.06
W	25y3d	32.12	60.1167	14.90	14.40	6.6600	96.0	90.06	90.06
W	3Yr1D	17.50	12.1667	6.40	6.02	6.6600	96.9	90.06	90.06
W	5y1d	21.24	12.1667	7.70	7.29	6.6600	96.6	90.06	90.06

Node: A

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0300	1307
2.00	0.3200	13939
2.50	1.3700	59677
3.00	3.1500	137214
3.50	6.7400	293594
4.00	11.1100	483952
4.50	15.5700	678229
5.00	19.2000	836352
5.50	22.1800	966161
6.00	23.7100	1032808
6.50	24.2300	1055459
7.00	24.3100	1058944
7.50	24.3100	1058944
8.00	24.3100	1058944
8.50	24.3100	1058944
9.00	24.3100	1058944
9.50	24.3100	1058944
10.00	24.3100	1058944
10.50	24.3100	1058944
11.00	24.3100	1058944
11.50	24.3100	1058944
12.00	24.3100	1058944
12.50	24.3100	1058944
13.00	24.3100	1058944
13.50	25.2900	1101632
14.00	26.2300	1142579
14.50	28.4600	1239718
15.00	30.7500	1339470
15.50	32.5700	1418749
16.00	33.5800	1462745
16.50	34.0900	1484960

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
A	100y3d	0.00	3.47	0.0004	200.98	178.36	284401
A	10y1d	0.00	3.26	0.0003	108.92	93.17	219476
A	25y3d	0.00	3.39	0.0003	158.43	137.67	257645
A	3Yr1D	0.00	3.13	0.0003	69.84	57.38	177452
A	5y1d	0.00	3.20	0.0003	89.18	75.15	199957

Node: B

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.64 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0100	436
2.00	0.0700	3049
2.50	0.3400	14810
3.00	0.8400	36590
3.50	1.5700	68389
4.00	2.2600	98446
4.50	2.5700	111949
5.00	2.6600	115870
5.50	2.6600	115870
6.00	2.6600	115870
6.50	2.6600	115870
7.00	2.6600	115870
7.50	2.6600	115870
8.00	2.6600	115870
8.50	2.6600	115870
9.00	2.6600	115870
9.50	2.6600	115870
10.00	2.6600	115870
10.50	2.6600	115870
11.00	2.6600	115870
11.50	2.6600	115870
12.00	2.6600	115870
12.50	2.6600	115870
13.00	2.7300	118919
13.50	3.0100	131116
14.00	3.4800	151589
14.50	3.7300	162479
15.00	3.8200	166399

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
B	100y3d	0.64	3.46	0.0035	30.18	15.09	65578
B	10y1d	0.64	3.17	0.0035	17.99	7.18	47631
B	25y3d	0.64	3.33	0.0035	24.03	10.20	57858
B	3Yr1D	0.64	2.92	0.0035	11.93	4.39	33156
B	5y1d	0.64	3.06	0.0035	14.95	5.75	40614

Node: C

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.1400	6098
2.00	1.2300	53579
2.50	2.8100	122404
3.00	4.3900	191228
3.50	6.3300	275735
4.00	9.7500	424710
4.50	13.1000	570636
5.00	14.2600	621166
5.50	14.6600	638590
6.00	14.9600	651658
6.50	15.2600	664726
7.00	15.4800	674309
7.50	15.7300	685199
8.00	16.0600	699574
8.50	16.1900	705236
9.00	16.2000	705672
9.50	16.2000	705672
10.00	16.2000	705672
10.50	16.2000	705672
11.00	16.2000	705672
11.50	16.2000	705672
12.00	16.2000	705672
12.50	16.2000	705672

Stage [ft]	Area [ac]	Area [ft2]
13.00	16.2500	707850
13.50	16.3300	711335
14.00	17.0000	740520
14.50	21.3700	930877
15.00	22.7700	991861
15.50	22.9200	998395
16.00	23.3700	1017997
16.50	23.4300	1020611
17.00	23.4300	1020611
17.50	23.7200	1033243
18.00	23.8000	1036728

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
C	100y3d	0.00	2.05	0.0176	147.61	146.77	60996
C	10y1d	0.00	1.91	0.0176	82.27	81.48	45470
C	25y3d	0.00	2.00	0.0176	116.84	116.15	53193
C	3Yr1D	0.00	1.82	0.0176	53.45	52.79	36754
C	5y1d	0.00	1.87	0.0176	67.74	67.02	41526

Node: D

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0100	436
2.00	0.0300	1307
2.50	0.0900	3920
3.00	0.2100	9148
3.50	0.5400	23522
4.00	1.2200	53143
4.50	1.7000	74052
5.00	2.2100	96268
5.50	2.6900	117176
6.00	3.0800	134165
6.50	3.6500	158994

Stage [ft]	Area [ac]	Area [ft2]
7.00	4.4800	195149
7.50	5.1200	223027
8.00	5.4800	238709
8.50	5.6900	247856
9.00	5.7500	250470
9.50	5.7700	251341
10.00	5.7700	251341
10.50	5.7700	251341
11.00	5.7700	251341
11.50	5.7700	251341
12.00	5.7700	251341
12.50	5.7700	251341
13.00	5.7700	251341
13.50	5.7700	251341
14.00	5.7700	251341
14.50	5.7700	251341
15.00	5.7700	251341
15.50	7.7200	336283
16.00	7.7200	336283
16.50	10.1700	443005

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
D	100y3d	0.00	2.85	0.0023	80.11	79.94	7539
D	10y1d	0.00	2.64	0.0023	48.01	47.89	5412
D	25y3d	0.00	2.75	0.0023	63.64	63.52	6518
D	3Yr1D	0.00	2.51	0.0023	32.46	32.38	4079
D	5y1d	0.00	2.58	0.0023	40.18	40.08	4780

Node: E1

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0200	871

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0500	2178
2.50	0.1700	7405
3.00	0.4400	19166
3.50	1.2500	54450
4.00	3.2100	139828
4.50	5.8500	254826
5.00	9.1600	399010
5.50	12.6900	552776
6.00	15.8000	688248
6.50	18.6700	813265
7.00	20.8100	906484
7.50	21.9200	954835
8.00	22.7200	989683
8.50	23.4300	1020611
9.00	24.0000	1045440
9.50	24.3500	1060686
10.00	24.5700	1070269
10.50	24.7600	1078546
11.00	24.9100	1085080
11.50	25.0700	1092049
12.00	25.2600	1100326
12.50	25.4400	1108166
13.00	25.5600	1113394
13.50	25.6400	1116878
14.00	25.6800	1118621
14.50	25.9000	1128204
15.00	27.0500	1178298
15.50	29.3200	1277179
16.00	31.8400	1386950
16.50	33.3800	1454033
17.00	34.6100	1507612
17.50	35.0900	1528520
18.00	35.6100	1551172
18.50	35.8800	1562933
19.00	36.2200	1577743
19.50	36.2800	1580357
20.00	36.4800	1589069
20.50	36.5900	1593860
21.00	36.5900	1593860
21.50	36.5900	1593860
22.00	36.6500	1596474
22.50	36.8000	1603008
23.00	36.8600	1605622
23.50	36.9100	1607800

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E1	100y3d	0.00	4.25	0.0010	275.86	235.80	197299
E1	10y1d	0.00	3.70	0.0010	148.84	115.99	88953
E1	25y3d	0.00	4.04	0.0010	209.10	178.31	150168
E1	3Yr1D	0.00	3.11	0.0010	108.29	96.68	26989
E1	5y1d	0.00	3.48	0.0010	130.06	106.66	53023

Node: E2

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0200	871
2.00	0.0400	1742
2.50	0.1100	4792
3.00	0.2500	10890
3.50	0.4800	20909
4.00	0.8600	37462
4.50	1.5500	67518
5.00	2.3600	102802
5.50	3.1200	135907
6.00	3.8300	166835
6.50	4.3300	188615
7.00	4.5200	196891
7.50	4.5900	199940
8.00	4.6400	202118
8.50	4.6700	203425
9.00	4.6800	203861
9.50	4.6800	203861
10.00	4.6800	203861
10.50	4.6800	203861
11.00	4.6800	203861
11.50	4.6800	203861
12.00	4.6800	203861
12.50	4.6800	203861
13.00	4.6800	203861
13.50	4.6800	203861
14.00	4.6800	203861
14.50	4.6800	203861

Stage [ft]	Area [ac]	Area [ft2]
15.00	4.9500	215622
15.50	5.2600	229126
16.00	5.8100	253084
16.50	6.9900	304484
17.00	7.0700	307969
17.50	7.1800	312761
18.00	7.2200	314503
18.50	7.2700	316681

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E2	100y3d	0.00	4.45	0.0030	51.01	41.37	64456
E2	10y1d	0.00	4.19	0.0030	26.88	11.83	48624
E2	25y3d	0.00	4.36	0.0030	39.93	26.19	59134
E2	3Yr1D	0.00	3.61	0.0030	16.97	8.22	24712
E2	5y1d	0.00	3.96	0.0030	21.85	8.76	36237

Node: E3

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0100	436
2.50	0.1300	5663
3.00	0.7200	31363
3.50	1.7600	76666
4.00	2.8300	123275
4.50	4.1700	181645
5.00	5.2300	227819
5.50	5.8000	252648
6.00	6.1200	266587
6.50	6.6200	288367
7.00	7.1900	313196
7.50	8.0000	348480
8.00	8.5700	373309
8.50	8.8100	383764

Stage [ft]	Area [ac]	Area [ft2]
9.00	8.8600	385942
9.50	8.8600	385942
10.00	8.8600	385942
10.50	8.8600	385942
11.00	8.8600	385942
11.50	8.8600	385942
12.00	8.8600	385942
12.50	8.8600	385942
13.00	8.8600	385942
13.50	8.8600	385942
14.00	9.1000	396396
14.50	9.8200	427759
15.00	10.7700	469141
15.50	11.4700	499633
16.00	11.4700	499633
16.50	11.6400	507038
17.00	11.7100	510088
17.50	12.0500	524898
18.00	12.5500	546678
18.50	12.7600	555826

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E3	100y3d	0.00	4.78	0.0100	250.44	218.07	207082
E3	10y1d	0.00	4.42	0.0100	159.89	124.37	172323
E3	25y3d	0.00	4.63	0.0100	206.70	171.63	193948
E3	3Yr1D	0.00	4.15	0.0100	111.97	87.46	140629
E3	5y1d	0.00	4.30	0.0100	136.61	105.38	158067

Node: F

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.0800	3485

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.2600	11326
4.00	0.5500	23958
4.50	1.0700	46609
5.00	1.3700	59677
5.50	1.8400	80150
6.00	2.8700	125017
6.50	4.6300	201683
7.00	6.7700	294901
7.50	8.6800	378101
8.00	10.2200	445183
8.50	11.1800	487001
9.00	11.5400	502682
9.50	11.5800	504425
10.00	11.5900	504860
10.50	11.5900	504860
11.00	11.5900	504860
11.50	11.6000	505296
12.00	11.6000	505296
12.50	11.6000	505296
13.00	11.6000	505296
13.50	11.6000	505296
14.00	11.6000	505296
14.50	11.6000	505296
15.00	11.6000	505296
15.50	11.6000	505296
16.00	12.5200	545371
16.50	12.5200	545371
17.00	12.5600	547114
17.50	12.5600	547114
18.00	13.2400	576734
18.50	13.9500	607662
19.00	14.2700	621601
19.50	14.3300	624215

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
F	100y3d	0.00	4.13	0.0081	202.34	201.59	29764
F	10y1d	0.00	3.71	0.0081	80.90	80.99	16557
F	25y3d	0.00	3.97	0.0081	147.37	146.89	23179
F	3Yr1D	0.00	3.42	0.0081	52.88	53.00	10165
F	5y1d	0.00	3.58	0.0081	66.57	66.58	13285

Node: G

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0200	871
2.00	0.0300	1307
2.50	0.0500	2178
3.00	0.0800	3485
3.50	0.1500	6534
4.00	0.4400	19166
4.50	1.2100	52708
5.00	2.1200	92347
5.50	2.8400	123710
6.00	3.4200	148975
6.50	4.0000	174240
7.00	4.5400	197762
7.50	5.0100	218236
8.00	5.4000	235224
8.50	5.4800	238709
9.00	5.4800	238709
9.50	5.4800	238709
10.00	5.4800	238709
10.50	5.4800	238709
11.00	5.4800	238709
11.50	5.4800	238709
12.00	5.4800	238709
12.50	5.4800	238709
13.00	5.4800	238709
13.50	5.4800	238709
14.00	5.4800	238709
14.50	5.4800	238709
15.00	5.4800	238709
15.50	6.3900	278348
16.00	6.5600	285754
16.50	7.6300	332363
17.00	7.6900	334976
17.50	8.0100	348916

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
G	100y3d	0.00	4.81	0.0036	107.24	94.50	76953
G	10y1d	0.00	4.45	0.0036	59.61	53.44	49195
G	25y3d	0.00	4.66	0.0036	86.63	74.27	65421
G	3Yr1D	0.00	4.19	0.0036	38.97	38.35	31677
G	5y1d	0.00	4.33	0.0036	49.16	47.93	41156

Node: H

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0000	0
3.50	0.0800	3485
4.00	0.4500	19602
4.50	0.9200	40075
5.00	1.4700	64033
5.50	2.3900	104108
6.00	3.4700	151153
6.50	4.6600	202990
7.00	5.4800	238709
7.50	6.0800	264845
8.00	6.1800	269201
8.50	6.1900	269636
9.00	6.1900	269636
9.50	6.1900	269636
10.00	6.1900	269636
10.50	6.1900	269636
11.00	6.1900	269636
11.50	6.1900	269636
12.00	6.1900	269636
12.50	6.1900	269636
13.00	6.1900	269636
13.50	6.1900	269636
14.00	6.1900	269636
14.50	6.1900	269636
15.00	6.1900	269636
15.50	6.6200	288367
16.00	7.4000	322344
16.50	7.4000	322344
17.00	7.4000	322344
17.50	8.1900	356756

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
H	100y3d	0.00	4.88	0.0005	213.51	206.65	58150
H	10y1d	0.00	4.56	0.0002	130.53	128.78	42728
H	25y3d	0.00	4.74	0.0004	174.34	167.87	51691
H	3Yr1D	0.00	4.42	0.0002	95.48	94.94	36741
H	5y1d	0.00	4.48	0.0002	113.05	112.34	39404

Node: I

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0400	1742
2.00	0.0600	2614
2.50	0.0900	3920
3.00	0.2600	11326
3.50	0.4600	20038
4.00	0.8000	34848
4.50	1.4900	64904
5.00	2.1700	94525
5.50	2.6600	115870
6.00	3.1300	136343
6.50	3.5500	154638
7.00	3.8400	167270
7.50	4.0100	174676
8.00	4.1500	180774
8.50	4.3000	187308
9.00	4.3400	189050
9.50	4.3400	189050
10.00	4.3400	189050
10.50	4.3400	189050
11.00	4.3400	189050
11.50	4.3400	189050
12.00	4.3400	189050

Stage [ft]	Area [ac]	Area [ft2]
12.50	4.3400	189050
13.00	4.3400	189050
13.50	4.3400	189050
14.00	4.3400	189050
14.50	4.4100	192100
15.00	4.5300	197327
15.50	5.4700	238273
16.00	5.4700	238273
16.50	5.4700	238273
17.00	5.5700	242629
17.50	5.9200	257875
18.00	5.9200	257875
18.50	6.3400	276170

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
I	100y3d	0.00	3.93	0.0003	228.77	228.52	32727
I	10y1d	0.00	3.73	0.0002	132.30	132.22	26803
I	25y3d	0.00	3.84	0.0003	183.39	183.22	30132
I	3Yr1D	0.00	3.61	0.0002	88.49	88.42	23339
I	5y1d	0.00	3.67	0.0002	110.21	110.15	25160

Node: J1

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.0000	0
6.50	0.0100	436
7.00	0.2400	10454
7.50	1.1400	49658
8.00	2.0800	90605
8.50	2.7700	120661
9.00	3.2200	140263
9.50	3.5400	154202
10.00	3.8600	168142
10.50	4.0700	177289

Stage [ft]	Area [ac]	Area [ft2]
11.00	4.3400	189050
11.50	4.8100	209524
12.00	5.3500	233046
12.50	6.0000	261360
13.00	6.4900	282704
13.50	6.7100	292288
14.00	6.9000	300564
14.50	6.9900	304484
15.00	7.0200	305791
15.50	7.0400	306662
16.00	7.0600	307534
16.50	7.0800	308405
17.00	7.0900	308840
17.50	7.1600	311890
18.00	7.3000	317988
18.50	7.4600	324958
19.00	7.4600	324958
19.50	7.4600	324958
20.00	7.5000	326700
20.50	7.5000	326700
21.00	7.5500	328878
21.50	7.8400	341510
22.00	8.4400	367646
22.50	8.4400	367646
23.00	8.4400	367646
23.50	8.4800	369389
24.00	8.6300	375923

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J1	100y3d	0.00	7.33	0.0005	65.02	64.41	36394
J1	10y1d	0.00	7.21	0.0005	35.39	34.58	27073
J1	25y3d	0.00	7.28	0.0005	50.95	50.42	32635
J1	3Yr1D	0.00	7.14	0.0005	22.70	22.09	21058
J1	5y1d	0.00	7.18	0.0005	28.95	28.22	24263

Node: J2

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 3.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.0000	0
4.00	0.0100	436
4.50	0.0400	1742
5.00	0.1400	6098
5.50	0.4500	19602
6.00	1.1200	48787
6.50	2.1500	93654
7.00	3.4500	150282
7.50	5.3800	234353
8.00	7.4300	323651
8.50	9.7700	425581
9.00	11.6100	505732
9.50	13.3300	580655
10.00	15.0100	653836
10.50	16.3900	713948
11.00	17.7200	771883
11.50	18.4900	805424
12.00	18.9800	826769
12.50	19.2800	839837
13.00	19.4500	847242
13.50	19.6900	857696
14.00	20.2800	883397
14.50	20.4700	891673
15.00	20.5700	896029
15.50	20.6300	898643
16.00	20.6400	899078
16.50	20.6500	899514
17.00	21.8500	951786
17.50	21.9300	955271
18.00	22.9000	997524
18.50	23.2400	1012334
19.00	23.5500	1025838
19.50	25.0600	1091614
20.00	25.0900	1092920
20.50	25.4200	1107295
21.00	26.1600	1139530
21.50	26.8400	1169150
22.00	27.0900	1180040
22.50	27.0900	1180040
23.00	27.0900	1180040
23.50	27.0900	1180040
24.00	27.4900	1197464

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J2	100y3d	0.00	5.87	0.0004	139.48	138.57	41087
J2	10y1d	0.00	5.62	0.0004	79.11	78.63	26875
J2	25y3d	0.00	5.76	0.0003	109.82	109.01	34942
J2	3Yr1D	0.00	5.47	0.0003	53.11	52.83	18807
J2	5y1d	0.00	5.55	0.0003	65.97	65.59	22653

Node: J3

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0000	0
3.00	0.0100	436
3.50	0.0400	1742
4.00	0.0800	3485
4.50	0.1100	4792
5.00	0.1400	6098
5.50	0.1800	7841
6.00	0.2400	10454
6.50	0.4300	18731
7.00	1.0400	45302
7.50	2.0900	91040
8.00	3.3400	145490
8.50	5.3600	233482
9.00	8.0400	350222
9.50	10.2600	446926
10.00	11.7700	512701
10.50	13.1200	571507
11.00	14.2100	618988
11.50	15.4100	671260
12.00	16.8500	733986
12.50	17.3900	757508
13.00	17.9400	781466
13.50	18.2800	796277
14.00	18.6800	813701
14.50	18.9800	826769
15.00	19.0400	829382
15.50	19.1000	831996
16.00	19.1600	834610
16.50	19.1600	834610

Stage [ft]	Area [ac]	Area [ft2]
17.00	19.1600	834610
17.50	19.1600	834610
18.00	19.3200	841579
18.50	19.3200	841579
19.00	19.4900	848984
19.50	19.7600	860746
20.00	22.3300	972695
20.50	23.7100	1032808
21.00	23.7600	1034986
21.50	23.7600	1034986
22.00	24.9200	1085515
22.50	25.4300	1107731
23.00	25.4700	1109473
23.50	25.4800	1109909
24.00	25.9400	1129946

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J3	100y3d	0.00	5.54	0.0177	163.84	163.74	8076
J3	10y1d	0.00	5.22	0.0177	103.56	103.51	6880
J3	25y3d	0.00	5.40	0.0177	135.25	135.17	7495
J3	3Yr1D	0.00	5.06	0.0177	77.89	77.86	6317
J3	5y1d	0.00	5.14	0.0177	90.79	90.75	6610

Node: K

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.0000	0
4.50	0.0100	436
5.00	0.0300	1307
5.50	0.0600	2614
6.00	0.0800	3485
6.50	0.1200	5227
7.00	0.2100	9148
7.50	0.3900	16988

Stage [ft]	Area [ac]	Area [ft2]
8.00	0.7100	30928
8.50	1.7300	75359
9.00	3.2400	141134
9.50	4.6200	201247
10.00	5.6500	246114
10.50	6.3600	277042
11.00	6.9600	303178
11.50	7.4700	325393
12.00	7.9600	346738
12.50	8.9300	388991
13.00	9.7300	423839
13.50	10.4100	453460
14.00	11.0300	480467
14.50	11.6600	507910
15.00	12.5200	545371
15.50	14.2700	621601
16.00	15.4800	674309
16.50	16.4600	716998
17.00	16.9800	739649
17.50	17.2400	750974
18.00	17.3300	754895
18.50	17.3400	755330
19.00	17.3700	756637
19.50	17.3700	756637
20.00	17.3700	756637
20.50	17.3700	756637
21.00	17.3700	756637
21.50	17.3700	756637
22.00	17.9600	782338
22.50	17.9600	782338
23.00	17.9600	782338
23.50	18.0000	784080
24.00	18.0000	784080
24.50	19.0600	830254
25.00	20.1100	875992
25.50	20.1900	879476
26.00	20.8400	907790

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
K	100y3d	0.00	8.52	0.0177	140.70	139.37	78535
K	10y1d	0.00	8.39	0.0177	79.42	71.88	65295

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
K	25y3d	0.00	8.47	0.0177	110.96	109.20	73071
K	3Yr1D	0.00	8.21	0.0177	53.08	38.73	49672
K	5y1d	0.00	8.32	0.0177	66.09	55.23	59798

Node: L

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0100	436
2.00	0.0100	436
2.50	0.0900	3920
3.00	1.0800	47045
3.50	6.4900	282704
4.00	14.6300	637283
4.50	26.4800	1153469
5.00	39.2900	1711472
5.50	46.2400	2014214
6.00	48.3700	2106997
6.50	49.1000	2138796
7.00	49.3000	2147508
7.50	49.4100	2152300
8.00	49.4400	2153606
8.50	49.4400	2153606
9.00	49.4500	2154042
9.50	49.4500	2154042
10.00	49.4500	2154042
10.50	49.4500	2154042
11.00	49.4500	2154042
11.50	49.4500	2154042
12.00	49.4500	2154042
12.50	49.4500	2154042
13.00	49.4500	2154042
13.50	49.4500	2154042
14.00	50.0700	2181049
14.50	53.6700	2337865
15.00	61.8200	2692879
15.50	68.5700	2986909
16.00	70.4600	3069238

Stage [ft]	Area [ac]	Area [ft2]
16.50	71.2400	3103214
17.00	71.3800	3109313
17.50	71.3900	3109748

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
L	100y3d	0.00	4.76	0.0040	705.91	342.80	1439980
L	10y1d	0.00	4.21	0.0073	312.11	160.54	858471
L	25y3d	0.00	4.54	0.0052	536.46	245.66	1201957
L	3Yr1D	0.00	3.75	0.0064	172.52	102.14	461914
L	5y1d	0.00	4.02	0.0072	229.50	129.07	661987

Node: M

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	1.0000	43560
3.50	1.0000	43560
4.00	1.0000	43560
4.50	1.0000	43560
5.00	1.0000	43560
5.50	1.0000	43560
6.00	1.0000	43560
6.50	2.3600	102802
7.00	6.3700	277477
7.50	11.3300	493535
8.00	16.9000	736164
8.50	19.7900	862052
9.00	21.7300	946559
9.50	22.8800	996653
10.00	23.6600	1030630
10.50	23.9700	1044133
11.00	24.1000	1049796
11.50	24.1900	1053716
12.00	24.2200	1055023
12.50	24.2200	1055023

Stage [ft]	Area [ac]	Area [ft2]
13.00	24.2200	1055023
13.50	24.2200	1055023
14.00	24.2200	1055023
14.50	24.2200	1055023
15.00	24.2800	1057637
15.50	24.2800	1057637
16.00	24.2800	1057637
16.50	24.2800	1057637
17.00	24.6000	1071576
17.50	26.3000	1145628
18.00	30.0800	1310285
18.50	32.8400	1430510
19.00	33.7800	1471457
19.50	35.0100	1525036
20.00	36.1600	1575130
20.50	36.4000	1585584
21.00	36.4600	1588198

Comment: Existing exfil

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
M	100y3d	0.00	6.73	0.0098	230.45	218.44	184392
M	10y1d	0.00	6.41	0.0065	98.73	88.91	92675
M	25y3d	0.00	6.60	0.0077	162.40	154.11	138190
M	3Yr1D	0.00	6.17	0.0065	65.27	40.90	63500
M	5y1d	0.00	6.31	0.0065	81.01	63.81	80623

Node: N

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.50	0.0000	0
8.00	0.0300	1307
8.50	0.7000	30492
9.00	2.6000	113256
9.50	4.3700	190357
10.00	7.5600	329314

Stage [ft]	Area [ac]	Area [ft2]
10.50	11.5300	502247
11.00	13.4500	585882
11.50	14.6800	639461
12.00	15.0200	654271
12.50	15.1100	658192
13.00	15.1500	659934
13.50	15.1600	660370
14.00	15.1700	660805
14.50	15.1700	660805
15.00	15.1800	661241
15.50	15.2100	662548
16.00	15.2100	662548
16.50	15.2100	662548
17.00	15.2100	662548
17.50	15.2100	662548
18.00	15.2100	662548
18.50	15.2500	664290
19.00	15.3800	669953
19.50	15.4800	674309
20.00	16.5200	719611
20.50	16.6700	726145
21.00	18.4900	805424
21.50	20.0600	873814
22.00	20.1800	879041
22.50	20.2900	883832
23.00	20.3800	887753

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
N	100y3d	0.00	8.11	0.0187	112.48	112.41	7830
N	10y1d	0.00	7.12	0.0187	55.15	65.03	113
N	25y3d	0.00	7.96	0.0187	86.07	86.06	1214
N	3Yr1D	0.00	6.24	0.0187	43.85	65.03	113
N	5y1d	0.00	6.66	0.0187	44.40	65.03	113

Node: O

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.0000	0
4.50	0.0100	436
5.00	0.0100	436
5.50	0.0100	436
6.00	0.0200	871
6.50	0.0200	871
7.00	0.0400	1742
7.50	0.0700	3049
8.00	0.1400	6098
8.50	0.3800	16553
9.00	1.6400	71438
9.50	3.0400	132422
10.00	4.8800	212573
10.50	6.1700	268765
11.00	7.1300	310583
11.50	7.7400	337154
12.00	8.1100	353272
12.50	8.1900	356756
13.00	8.2100	357628
13.50	8.2100	357628
14.00	8.2100	357628
14.50	8.2800	360677
15.00	8.2800	360677
15.50	8.2800	360677
16.00	8.2800	360677
16.50	8.2800	360677
17.00	8.2800	360677
17.50	8.2800	360677
18.00	8.2800	360677
18.50	8.2800	360677
19.00	8.2800	360677
19.50	8.3800	365033
20.00	9.0100	392476
20.50	10.0800	439085
21.00	10.2900	448232
21.50	10.5200	458251
22.00	10.5200	458251
22.50	10.6900	465656

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
O	100y3d	0.00	7.42	0.0387	88.91	88.85	2845
O	10y1d	0.00	6.79	0.0387	50.07	50.06	1383
O	25y3d	0.00	7.23	0.0387	76.53	76.48	2356
O	3Yr1D	0.00	6.22	0.0387	22.93	43.85	874
O	5y1d	0.00	6.53	0.0387	36.53	43.85	928

Node: Outfall North

Scenario: Existing
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -1.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-1.00
0	0	0	12.0000	1.00
0	0	0	24.0000	-1.00
0	0	0	36.0000	1.00
0	0	0	48.0000	-1.00
0	0	0	60.0000	1.00
0	0	0	72.0000	-1.00
0	0	0	84.0000	1.00
0	0	0	96.0000	-1.00

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Outfall North	100y3d	0.00	1.00	0.0001	1241.58	0.04	0
Outfall North	10y1d	0.00	1.00	0.0001	644.17	0.04	0
Outfall North	25y3d	0.00	1.00	0.0001	951.39	0.04	0
Outfall North	3Yr1D	0.00	1.00	0.0001	422.82	0.04	0
Outfall North	5y1d	0.00	1.00	0.0001	531.75	0.04	0

Node: Outfall South

Scenario: Existing

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -1.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-1.00
0	0	0	12.0000	1.00
0	0	0	24.0000	-1.00
0	0	0	36.0000	1.00
0	0	0	48.0000	-1.00
0	0	0	60.0000	1.00
0	0	0	72.0000	-1.00
0	0	0	84.0000	1.00
0	0	0	96.0000	-1.00

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Outfall South	100y3d	0.00	1.00	0.0001	1013.33	0.50	0
Outfall South	10y1d	0.00	1.00	0.0001	539.91	0.52	0
Outfall South	25y3d	0.00	1.00	0.0001	778.57	0.50	0
Outfall South	3Yr1D	0.00	1.00	0.0001	373.99	0.50	0
Outfall South	5y1d	0.00	1.00	0.0001	453.78	0.49	0

Node: P1

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0100	436
2.00	0.0100	436
2.50	0.0200	871
3.00	0.0800	3485
3.50	0.3700	16117
4.00	1.7000	74052
4.50	3.6100	157252

Stage [ft]	Area [ac]	Area [ft2]
5.00	6.0600	263974
5.50	8.5000	370260
6.00	9.7800	426017
6.50	10.3400	450410
7.00	10.7200	466963
7.50	11.1100	483952
8.00	11.5800	504425
8.50	11.9000	518364
9.00	11.9600	520978
9.50	11.9600	520978
10.00	11.9600	520978
10.50	11.9600	520978
11.00	11.9600	520978
11.50	11.9600	520978
12.00	11.9600	520978
12.50	11.9600	520978
13.00	11.9600	520978
13.50	11.9600	520978
14.00	11.9600	520978
14.50	12.0600	525334
15.00	13.0200	567151
15.50	14.4200	628135
16.00	15.0400	655142
16.50	15.6400	681278
17.00	15.7000	683892
17.50	16.0400	698702
18.00	16.3800	713513
18.50	16.6300	724403
19.00	16.6400	724838

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P1	100y3d	0.00	4.75	0.0145	127.38	78.63	210900
P1	10y1d	0.00	4.20	0.0145	67.84	54.52	108146
P1	25y3d	0.00	4.54	0.0145	98.44	71.34	165440
P1	3Yr1D	0.00	3.78	0.0145	43.17	33.43	48067
P1	5y1d	0.00	4.01	0.0145	55.32	43.52	75396

Node: P2

Scenario: Existing

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.0700	3049
3.50	0.1300	5663
4.00	0.2200	9583
4.50	0.4100	17860
5.00	1.0900	47480
5.50	1.6400	71438
6.00	2.0300	88427
6.50	2.3300	101495
7.00	2.4700	107593
7.50	2.6400	114998
8.00	2.8500	124146
8.50	2.9800	129809
9.00	2.9900	130244
9.50	3.0000	130680
10.00	3.0000	130680
10.50	3.0000	130680
11.00	3.0000	130680
11.50	3.0000	130680
12.00	3.0000	130680
12.50	3.0000	130680
13.00	3.0000	130680
13.50	3.0000	130680
14.00	3.0000	130680
14.50	3.0000	130680
15.00	3.0300	131987
15.50	3.2100	139828
16.00	3.5900	156380
16.50	3.7500	163350
17.00	3.7500	163350
17.50	3.7500	163350
18.00	3.9200	170755
18.50	4.0700	177289
19.00	4.1400	180338

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P2	100y3d	0.00	5.19	0.0008	31.00	19.29	56589
P2	10y1d	0.00	4.84	0.0008	16.27	5.00	38100
P2	25y3d	0.00	5.09	0.0008	24.19	10.77	52026
P2	3Yr1D	0.00	4.30	0.0008	10.16	4.44	14615
P2	5y1d	0.00	4.63	0.0008	13.16	4.79	25433

Node: P3

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.1300	5663
3.50	0.3000	13068
4.00	0.6600	28750
4.50	1.3100	57064
5.00	2.3600	102802
5.50	3.3800	147233
6.00	4.4400	193406
6.50	5.3700	233917
7.00	6.5500	285318
7.50	7.6000	331056
8.00	7.7500	337590
8.50	7.7500	337590
9.00	7.7500	337590
9.50	7.7500	337590
10.00	7.7500	337590
10.50	7.7500	337590
11.00	7.7500	337590
11.50	7.7500	337590
12.00	7.7500	337590
12.50	7.7500	337590
13.00	7.7500	337590
13.50	7.7500	337590
14.00	7.8400	341510
14.50	7.9500	346302
15.00	8.9500	389862
15.50	9.4100	409900
16.00	9.8700	429937
16.50	10.0900	439520

Stage [ft]	Area [ac]	Area [ft2]
17.00	10.6900	465656
17.50	11.2800	491357
18.00	11.3700	495277

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P3	100y3d	0.00	3.91	0.0136	174.26	173.19	26068
P3	10y1d	0.00	3.61	0.0136	97.22	96.66	16386
P3	25y3d	0.00	3.78	0.0136	139.15	138.41	21992
P3	3Yr1D	0.00	3.43	0.0136	64.11	63.66	12035
P3	5y1d	0.00	3.52	0.0136	80.66	80.15	13811

Node: P4

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0100	436
2.00	0.0500	2178
2.50	0.3400	14810
3.00	1.3100	57064
3.50	3.1500	137214
4.00	5.3700	233917
4.50	7.3400	319730
5.00	8.3200	362419
5.50	8.7500	381150
6.00	9.0500	394218
6.50	9.2100	401188
7.00	9.3600	407722
7.50	9.4400	411206
8.00	9.4500	411642
8.50	9.4500	411642
9.00	9.4500	411642
9.50	9.4500	411642
10.00	9.4500	411642

Stage [ft]	Area [ac]	Area [ft2]
10.50	9.4500	411642
11.00	9.4500	411642
11.50	9.4500	411642
12.00	9.4500	411642
12.50	9.4500	411642
13.00	9.4500	411642
13.50	9.4500	411642
14.00	10.2400	446054
14.50	11.5200	501811
15.00	12.5500	546678
15.50	12.8700	560617
16.00	13.2100	575428
16.50	13.3500	581526
17.00	13.4600	586318
17.50	13.5300	589367

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P4	100y3d	0.00	4.15	0.0099	132.27	57.51	259979
P4	10y1d	0.00	3.65	0.0099	55.22	16.80	167179
P4	25y3d	0.00	3.97	0.0099	94.20	36.53	228414
P4	3Yr1D	0.00	3.21	0.0099	32.27	14.00	90259
P4	5y1d	0.00	3.43	0.0099	41.67	14.73	126245

Node: Q

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.0000	0
4.00	0.0100	436
4.50	0.0100	436
5.00	0.0400	1742
5.50	0.1100	4792
6.00	0.3500	15246
6.50	1.0900	47480
7.00	2.6300	114563

Stage [ft]	Area [ac]	Area [ft2]
7.50	4.0200	175111
8.00	5.2800	229997
8.50	6.4300	280091
9.00	7.0900	308840
9.50	7.2500	315810
10.00	7.2800	317117
10.50	7.2900	317552
11.00	7.2900	317552
11.50	7.2900	317552
12.00	7.2900	317552
12.50	7.2900	317552
13.00	7.2900	317552
13.50	7.2900	317552
14.00	7.2900	317552
14.50	7.2900	317552
15.00	7.2900	317552
15.50	7.2900	317552
16.00	7.2900	317552
16.50	7.4500	324522
17.00	7.8200	340639
17.50	8.6600	377230
18.00	9.2600	403366
18.50	10.5100	457816
19.00	11.2100	488308
19.50	11.2800	491357
20.00	11.8600	516622

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Q	100y3d	0.00	6.46	0.0432	141.22	132.04	45082
Q	10y1d	0.00	5.12	0.0432	50.53	49.74	2472
Q	25y3d	0.00	6.09	0.0432	96.26	92.35	20827
Q	3Yr1D	0.00	4.08	0.0432	32.77	49.28	554
Q	5y1d	0.00	4.55	0.0432	41.18	49.28	586

Node: R

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0100	436
3.00	0.0800	3485
3.50	0.5200	22651
4.00	1.5600	67954
4.50	2.6700	116305
5.00	3.5500	154638
5.50	4.2700	186001
6.00	4.7200	205603
6.50	5.2000	226512
7.00	5.6600	246550
7.50	6.0700	264409
8.00	6.3400	276170
8.50	6.7500	294030
9.00	7.0300	306227
9.50	7.1100	309712
10.00	7.1700	312325
10.50	7.2900	317552
11.00	7.3500	320166
11.50	7.3500	320166
12.00	7.3500	320166
12.50	7.3500	320166
13.00	7.3500	320166
13.50	7.3500	320166
14.00	7.3500	320166
14.50	7.3800	321473
15.00	7.8500	341946
15.50	8.1800	356321
16.00	8.3200	362419
16.50	8.5900	374180
17.00	8.9600	390298
17.50	9.1100	396832
18.00	9.7200	423403
18.50	10.1500	442134
19.00	10.1500	442134
19.50	10.1500	442134
20.00	10.2100	444748
20.50	10.5600	459994
21.00	10.5600	459994
21.50	10.5600	459994

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
R	100y3d	0.00	4.24	0.0164	82.16	66.53	91302
R	10y1d	0.00	3.87	0.0164	48.85	34.97	56149
R	25y3d	0.00	4.11	0.0164	65.11	49.13	78191
R	3Yr1D	0.00	3.42	0.0164	33.10	27.05	19475
R	5y1d	0.00	3.71	0.0164	40.90	30.08	41620

Node: S

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0000	0
5.50	0.0100	436
6.00	0.0100	436
6.50	0.0300	1307
7.00	0.3100	13504
7.50	1.4400	62726
8.00	2.3700	103237
8.50	4.0900	178160
9.00	7.3600	320602
9.50	10.5200	458251
10.00	13.8300	602435
10.50	16.1400	703058
11.00	17.4500	760122
11.50	18.0300	785387
12.00	18.1700	791485
12.50	18.1900	792356
13.00	18.2100	793228
13.50	18.2200	793663
14.00	18.2200	793663
14.50	18.2300	794099
15.00	18.2300	794099
15.50	18.2300	794099
16.00	18.2400	794534
16.50	18.2700	795841
17.00	18.2700	795841
17.50	18.3100	797584
18.00	18.4500	803682
18.50	18.6500	812394
19.00	18.9800	826769
19.50	19.3700	843757

Stage [ft]	Area [ac]	Area [ft2]
20.00	20.3100	884704
20.50	22.3400	973130
21.00	23.7300	1033679
21.50	24.1200	1050667

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
S	100y3d	0.00	7.31	0.0476	142.57	141.20	43610
S	10y1d	0.00	6.90	0.0476	77.92	77.00	10975
S	25y3d	0.00	7.17	0.0476	111.98	110.94	30353
S	3Yr1D	0.00	6.49	0.0476	51.42	65.46	1299
S	5y1d	0.00	6.70	0.0476	64.48	65.46	6186

Node: T

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.50	0.0000	0
5.00	0.0300	1307
5.50	0.0500	2178
6.00	0.0600	2614
6.50	0.0700	3049
7.00	0.0900	3920
7.50	0.1300	5663
8.00	0.2600	11326
8.50	0.6200	27007
9.00	1.4200	61855
9.50	3.0700	133729
10.00	5.2000	226512
10.50	6.7000	291852
11.00	7.3400	319730
11.50	7.7200	336283
12.00	7.9500	346302
12.50	8.0500	350658
13.00	8.0700	351529
13.50	8.0700	351529

Stage [ft]	Area [ac]	Area [ft2]
14.00	8.0700	351529
14.50	8.0700	351529
15.00	8.0700	351529
15.50	8.0700	351529
16.00	8.0700	351529
16.50	8.0700	351529
17.00	8.0700	351529
17.50	8.0700	351529
18.00	8.0700	351529
18.50	8.1000	352836
19.00	8.1000	352836
19.50	9.3100	405544
20.00	10.0300	436907
20.50	10.7500	468270
21.00	11.2500	490050
21.50	11.5900	504860
22.00	11.8100	514444

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
T	100y3d	0.00	6.78	0.0323	112.85	112.82	3549
T	10y1d	0.00	6.51	0.0323	84.46	84.42	3072
T	25y3d	0.00	6.68	0.0323	101.80	101.76	3369
T	3Yr1D	0.00	6.25	0.0323	60.51	60.48	2837
T	5y1d	0.00	6.39	0.0323	73.29	73.26	2961

Node: U1

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0400	1742
3.00	0.2800	12197
3.50	0.8000	34848
4.00	1.7100	74488
4.50	2.7600	120226

Stage [ft]	Area [ac]	Area [ft2]
5.00	3.2500	141570
5.50	3.4000	148104
6.00	3.4500	150282
6.50	3.5100	152896
7.00	3.5200	153331
7.50	3.5200	153331
8.00	3.5200	153331
8.50	3.5200	153331
9.00	3.5200	153331
9.50	3.5200	153331
10.00	3.5200	153331
10.50	3.5200	153331
11.00	3.5200	153331
11.50	3.5200	153331
12.00	3.5200	153331
12.50	3.5200	153331
13.00	3.5200	153331
13.50	3.5200	153331
14.00	3.6700	159865
14.50	4.2500	185130
15.00	4.6600	202990
15.50	5.0800	221285
16.00	5.1900	226076
16.50	5.1900	226076
17.00	5.1900	226076
17.50	5.1900	226076
18.00	5.1900	226076
18.50	5.1900	226076
19.00	5.1900	226076
19.50	5.1900	226076
20.00	5.1900	226076
20.50	5.1900	226076

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U1	100y3d	0.00	4.20	0.0033	43.33	24.17	93065
U1	10y1d	0.00	3.83	0.0033	20.05	8.03	60842
U1	25y3d	0.00	4.01	0.0033	30.15	17.17	75226
U1	3Yr1D	0.00	3.57	0.0033	12.68	4.04	40239
U1	5y1d	0.00	3.73	0.0033	16.31	5.65	52748

Node: U2

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.50	0.0100	436
2.00	0.0100	436
2.50	0.0500	2178
3.00	0.3100	13504
3.50	1.2900	56192
4.00	2.8800	125453
4.50	4.8200	209959
5.00	6.2900	273992
5.50	6.7700	294901
6.00	7.0400	306662
6.50	7.1900	313196
7.00	7.3200	318859
7.50	7.4800	325829
8.00	7.7300	336719
8.50	7.9900	348044
9.00	8.6000	374616
9.50	9.3000	405108
10.00	9.9200	432115
10.50	10.0900	439520
11.00	10.1100	440392
11.50	10.1100	440392
12.00	10.1100	440392
12.50	10.1100	440392
13.00	10.1100	440392
13.50	10.1100	440392
14.00	10.3000	448668
14.50	11.0000	479160
15.00	12.3200	536659
15.50	12.7500	555390
16.00	12.8600	560182
16.50	12.8600	560182
17.00	12.9600	564538
17.50	13.0700	569329
18.00	13.0700	569329
18.50	13.3800	582833
19.00	13.3800	582833
19.50	13.3800	582833
20.00	13.5800	591545
20.50	13.7400	598514

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U2	100y3d	0.00	4.30	0.0092	90.68	58.98	175555
U2	10y1d	0.00	4.04	0.0092	47.85	20.95	132691
U2	25y3d	0.00	4.20	0.0092	71.06	39.43	158671
U2	3Yr1D	0.00	3.70	0.0092	30.35	13.05	84161
U2	5y1d	0.00	3.92	0.0092	38.97	14.85	113788

Node: U3

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0100	436
3.00	0.0300	1307
3.50	0.2600	11326
4.00	0.8100	35284
4.50	1.3400	58370
5.00	1.7800	77537
5.50	2.0500	89298
6.00	2.2000	95832
6.50	2.3400	101930
7.00	2.5700	111949
7.50	2.7500	119790
8.00	2.9200	127195
8.50	3.3000	143748
9.00	3.8500	167706
9.50	4.3100	187744
10.00	4.5400	197762
10.50	4.5800	199505
11.00	4.5900	199940
11.50	4.5900	199940
12.00	4.5900	199940

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U3	100y3d	0.00	4.20	0.0185	52.77	37.88	44381
U3	10y1d	0.00	3.34	0.0185	31.13	28.27	8178
U3	25y3d	0.00	3.97	0.0185	42.30	31.96	33980
U3	3Yr1D	0.00	2.48	0.0185	22.47	22.43	499
U3	5y1d	0.00	3.00	0.0185	26.57	26.09	1353

Node: V

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0000	0
5.50	0.0100	436
6.00	0.0800	3485
6.50	0.2400	10454
7.00	0.3300	14375
7.50	0.4700	20473
8.00	0.6400	27878
8.50	1.2400	54014
9.00	2.1200	92347
9.50	3.1300	136343
10.00	4.0100	174676
10.50	4.6800	203861
11.00	5.2000	226512
11.50	5.4600	237838
12.00	5.6300	245243
12.50	5.7700	251341
13.00	5.8400	254390
13.50	5.9200	257875
14.00	5.9900	260924
14.50	6.0600	263974
15.00	6.0800	264845
15.50	6.0900	265280
16.00	6.0900	265280
16.50	6.0900	265280
17.00	6.0900	265280
17.50	6.0900	265280
18.00	6.0900	265280
18.50	6.0900	265280
19.00	6.0900	265280
19.50	6.0900	265280

Stage [ft]	Area [ac]	Area [ft2]
20.00	6.1400	267458
20.50	6.3900	278348
21.00	6.9000	300564
21.50	6.9000	300564
22.00	6.9000	300564
22.50	6.9000	300564
23.00	6.9000	300564
23.50	6.9000	300564
24.00	6.9000	300564
24.50	6.9100	301000

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
V	100y3d	0.00	6.81	0.0235	95.57	94.67	12882
V	10y1d	0.00	6.60	0.0235	60.45	60.06	11209
V	25y3d	0.00	6.72	0.0235	82.01	81.32	12211
V	3Yr1D	0.00	6.42	0.0235	33.64	33.43	9385
V	5y1d	0.00	6.52	0.0235	48.06	47.85	10632

Node: W

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0000	0
3.00	0.0100	436
3.50	0.0600	2614
4.00	0.5900	25700
4.50	1.5800	68825
5.00	2.7600	120226
5.50	3.5100	152896
6.00	3.7900	165092
6.50	3.9700	172933
7.00	4.1400	180338
7.50	4.4300	192971
8.00	4.7300	206039
8.50	5.1400	223898

Stage [ft]	Area [ac]	Area [ft2]
9.00	5.4800	238709
9.50	5.8600	255262
10.00	5.9600	259618
10.50	6.0000	261360
11.00	6.0200	262231
11.50	6.0400	263102
12.00	6.0600	263974
12.50	6.0600	263974
13.00	6.0600	263974
13.50	6.0600	263974
14.00	6.0600	263974
14.50	6.0600	263974
15.00	6.1500	267894
15.50	6.3100	274864
16.00	6.3100	274864
16.50	6.3100	274864
17.00	6.3100	274864
17.50	6.4000	278784
18.00	6.4100	279220
18.50	6.4600	281398
19.00	6.5700	286189
19.50	6.5700	286189
20.00	6.5900	287060
20.50	6.6500	289674

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W	100y3d	0.00	4.75	0.0690	153.63	131.41	95021
W	10y1d	0.00	4.21	0.0690	91.47	90.49	43711
W	25y3d	0.00	4.54	0.0690	126.97	115.47	73061
W	3Yr1D	0.00	3.76	0.0690	60.91	78.36	14652
W	5y1d	0.00	4.01	0.0690	75.70	78.36	26861

Node: W1

Scenario: Existing
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.1000	4356
20.00	0.2000	8712

Comment:

Node Max Conditions [Existing]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W1	100y3d	0.00	7.31	0.0113	122.63	34.59	5985
W1	10y1d	0.00	6.64	0.0113	122.63	32.85	5839
W1	25y3d	0.00	7.17	0.0113	122.63	34.49	5955
W1	3Yr1D	0.00	5.96	0.0113	122.63	30.45	5691
W1	5y1d	0.00	6.29	0.0113	122.63	31.36	5764

Node: A

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0300	1307
2.00	0.3200	13939
2.50	1.3700	59677
3.00	3.1500	137214
3.50	6.7400	293594
4.00	11.1100	483952
4.50	15.5700	678229
5.00	19.2000	836352
5.50	22.1800	966161
6.00	23.7100	1032808
6.50	24.2300	1055459
7.00	24.3100	1058944
7.50	24.3100	1058944
8.00	24.3100	1058944
8.50	24.3100	1058944
9.00	24.3100	1058944
9.50	24.3100	1058944
10.00	24.3100	1058944
10.50	24.3100	1058944
11.00	24.3100	1058944

Stage [ft]	Area [ac]	Area [ft2]
11.50	24.3100	1058944
12.00	24.3100	1058944
12.50	24.3100	1058944
13.00	24.3100	1058944
13.50	25.2900	1101632
14.00	26.2300	1142579
14.50	28.4600	1239718
15.00	30.7500	1339470
15.50	32.5700	1418749
16.00	33.5800	1462745
16.50	34.0900	1484960

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
A	100y3d	0.00	3.40	0.0009	200.98	172.89	262339
A	10y1d	0.00	3.14	0.0010	108.92	87.79	181547
A	25y3d	0.00	3.29	0.0010	158.43	131.72	229300
A	3Yr1D	0.00	2.93	0.0010	69.84	51.20	125926
A	5y1d	0.00	3.05	0.0008	89.18	69.08	153515

Node: B

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.64 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0100	436
2.00	0.0700	3049
2.50	0.3400	14810
3.00	0.8400	36590
3.50	1.5700	68389
4.00	2.2600	98446
4.50	2.5700	111949
5.00	2.6600	115870
5.50	2.6600	115870
6.00	2.6600	115870
6.50	2.6600	115870

Stage [ft]	Area [ac]	Area [ft2]
7.00	2.6600	115870
7.50	2.6600	115870
8.00	2.6600	115870
8.50	2.6600	115870
9.00	2.6600	115870
9.50	2.6600	115870
10.00	2.6600	115870
10.50	2.6600	115870
11.00	2.6600	115870
11.50	2.6600	115870
12.00	2.6600	115870
12.50	2.6600	115870
13.00	2.7300	118919
13.50	3.0100	131116
14.00	3.4800	151589
14.50	3.7300	162479
15.00	3.8200	166399

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
B	100y3d	0.64	3.46	0.0035	30.18	15.09	65575
B	10y1d	0.64	3.17	0.0035	17.99	7.18	47631
B	25y3d	0.64	3.33	0.0035	24.03	10.20	57856
B	3Yr1D	0.64	2.92	0.0035	11.93	4.39	33156
B	5y1d	0.64	3.06	0.0035	14.95	5.75	40614

Node: C

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.1400	6098
2.00	1.2300	53579
2.50	2.8100	122404
3.00	4.3900	191228

Stage [ft]	Area [ac]	Area [ft2]
3.50	6.3300	275735
4.00	9.7500	424710
4.50	13.1000	570636
5.00	14.2600	621166
5.50	14.6600	638590
6.00	14.9600	651658
6.50	15.2600	664726
7.00	15.4800	674309
7.50	15.7300	685199
8.00	16.0600	699574
8.50	16.1900	705236
9.00	16.2000	705672
9.50	16.2000	705672
10.00	16.2000	705672
10.50	16.2000	705672
11.00	16.2000	705672
11.50	16.2000	705672
12.00	16.2000	705672
12.50	16.2000	705672
13.00	16.2500	707850
13.50	16.3300	711335
14.00	17.0000	740520
14.50	21.3700	930877
15.00	22.7700	991861
15.50	22.9200	998395
16.00	23.3700	1017997
16.50	23.4300	1020611
17.00	23.4300	1020611
17.50	23.7200	1033243
18.00	23.8000	1036728

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
C	100y3d	0.00	2.05	0.0177	147.61	146.76	60994
C	10y1d	0.00	1.91	0.0177	82.27	81.49	45471
C	25y3d	0.00	2.00	0.0177	116.84	116.14	53191
C	3Yr1D	0.00	1.82	0.0177	53.45	52.79	36755
C	5y1d	0.00	1.87	0.0177	67.74	67.02	41527

Node: D

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0100	436
2.00	0.0300	1307
2.50	0.0900	3920
3.00	0.2100	9148
3.50	0.5400	23522
4.00	1.2200	53143
4.50	1.7000	74052
5.00	2.2100	96268
5.50	2.6900	117176
6.00	3.0800	134165
6.50	3.6500	158994
7.00	4.4800	195149
7.50	5.1200	223027
8.00	5.4800	238709
8.50	5.6900	247856
9.00	5.7500	250470
9.50	5.7700	251341
10.00	5.7700	251341
10.50	5.7700	251341
11.00	5.7700	251341
11.50	5.7700	251341
12.00	5.7700	251341
12.50	5.7700	251341
13.00	5.7700	251341
13.50	5.7700	251341
14.00	5.7700	251341
14.50	5.7700	251341
15.00	5.7700	251341
15.50	7.7200	336283
16.00	7.7200	336283
16.50	10.1700	443005

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
D	100y3d	0.00	2.85	0.0024	80.11	79.93	7539

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
D	10y1d	0.00	2.64	0.0024	48.01	47.89	5412
D	25y3d	0.00	2.75	0.0024	63.64	63.51	6517
D	3Yr1D	0.00	2.51	0.0024	32.46	32.38	4079
D	5y1d	0.00	2.58	0.0024	40.18	40.08	4780

Node: E1

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0200	871
2.00	0.0500	2178
2.50	0.1700	7405
3.00	0.4400	19166
3.50	1.2500	54450
4.00	3.2100	139828
4.50	5.8500	254826
5.00	9.1600	399010
5.50	12.6900	552776
6.00	15.8000	688248
6.50	18.6700	813265
7.00	20.8100	906484
7.50	21.9200	954835
8.00	22.7200	989683
8.50	23.4300	1020611
9.00	24.0000	1045440
9.50	24.3500	1060686
10.00	24.5700	1070269
10.50	24.7600	1078546
11.00	24.9100	1085080
11.50	25.0700	1092049
12.00	25.2600	1100326
12.50	25.4400	1108166
13.00	25.5600	1113394
13.50	25.6400	1116878
14.00	25.6800	1118621
14.50	25.9000	1128204
15.00	27.0500	1178298
15.50	29.3200	1277179

Stage [ft]	Area [ac]	Area [ft2]
16.00	31.8400	1386950
16.50	33.3800	1454033
17.00	34.6100	1507612
17.50	35.0900	1528520
18.00	35.6100	1551172
18.50	35.8800	1562933
19.00	36.2200	1577743
19.50	36.2800	1580357
20.00	36.4800	1589069
20.50	36.5900	1593860
21.00	36.5900	1593860
21.50	36.5900	1593860
22.00	36.6500	1596474
22.50	36.8000	1603008
23.00	36.8600	1605622
23.50	36.9100	1607800

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E1	100y3d	0.00	4.25	0.0010	275.86	235.78	197277
E1	10y1d	0.00	3.70	0.0010	148.85	115.99	88958
E1	25y3d	0.00	4.04	0.0010	209.11	178.30	150154
E1	3Yr1D	0.00	3.11	0.0010	108.29	96.68	26993
E1	5y1d	0.00	3.48	0.0010	130.06	106.66	53026

Node: E2

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0200	871
2.00	0.0400	1742
2.50	0.1100	4792
3.00	0.2500	10890
3.50	0.4800	20909

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.8600	37462
4.50	1.5500	67518
5.00	2.3600	102802
5.50	3.1200	135907
6.00	3.8300	166835
6.50	4.3300	188615
7.00	4.5200	196891
7.50	4.5900	199940
8.00	4.6400	202118
8.50	4.6700	203425
9.00	4.6800	203861
9.50	4.6800	203861
10.00	4.6800	203861
10.50	4.6800	203861
11.00	4.6800	203861
11.50	4.6800	203861
12.00	4.6800	203861
12.50	4.6800	203861
13.00	4.6800	203861
13.50	4.6800	203861
14.00	4.6800	203861
14.50	4.6800	203861
15.00	4.9500	215622
15.50	5.2600	229126
16.00	5.8100	253084
16.50	6.9900	304484
17.00	7.0700	307969
17.50	7.1800	312761
18.00	7.2200	314503
18.50	7.2700	316681

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E2	100y3d	0.00	4.45	0.0030	51.01	41.35	64451
E2	10y1d	0.00	4.19	0.0030	26.88	11.83	48624
E2	25y3d	0.00	4.36	0.0030	39.93	26.18	59129
E2	3Yr1D	0.00	3.61	0.0030	16.97	8.22	24713
E2	5y1d	0.00	3.96	0.0030	21.85	8.76	36238

Node: E3

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0100	436
2.50	0.1300	5663
3.00	0.7200	31363
3.50	1.7600	76666
4.00	2.8300	123275
4.50	4.1700	181645
5.00	5.2300	227819
5.50	5.8000	252648
6.00	6.1200	266587
6.50	6.6200	288367
7.00	7.1900	313196
7.50	8.0000	348480
8.00	8.5700	373309
8.50	8.8100	383764
9.00	8.8600	385942
9.50	8.8600	385942
10.00	8.8600	385942
10.50	8.8600	385942
11.00	8.8600	385942
11.50	8.8600	385942
12.00	8.8600	385942
12.50	8.8600	385942
13.00	8.8600	385942
13.50	8.8600	385942
14.00	9.1000	396396
14.50	9.8200	427759
15.00	10.7700	469141
15.50	11.4700	499633
16.00	11.4700	499633
16.50	11.6400	507038
17.00	11.7100	510088
17.50	12.0500	524898
18.00	12.5500	546678
18.50	12.7600	555826

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E3	100y3d	0.00	4.72	0.0084	256.99	219.44	201840
E3	10y1d	0.00	4.31	0.0084	161.71	127.37	159453
E3	25y3d	0.00	4.56	0.0084	213.44	172.84	186859
E3	3Yr1D	0.00	3.97	0.0084	112.01	89.94	120937
E3	5y1d	0.00	4.16	0.0084	136.69	108.98	142370

Node: F

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.0800	3485
3.50	0.2600	11326
4.00	0.5500	23958
4.50	1.0700	46609
5.00	1.3700	59677
5.50	1.8400	80150
6.00	2.8700	125017
6.50	4.6300	201683
7.00	6.7700	294901
7.50	8.6800	378101
8.00	10.2200	445183
8.50	11.1800	487001
9.00	11.5400	502682
9.50	11.5800	504425
10.00	11.5900	504860
10.50	11.5900	504860
11.00	11.5900	504860
11.50	11.6000	505296
12.00	11.6000	505296
12.50	11.6000	505296
13.00	11.6000	505296
13.50	11.6000	505296
14.00	11.6000	505296
14.50	11.6000	505296
15.00	11.6000	505296
15.50	11.6000	505296
16.00	12.5200	545371
16.50	12.5200	545371

Stage [ft]	Area [ac]	Area [ft2]
17.00	12.5600	547114
17.50	12.5600	547114
18.00	13.2400	576734
18.50	13.9500	607662
19.00	14.2700	621601
19.50	14.3300	624215

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
F	100y3d	0.00	4.13	0.0081	202.33	201.56	29761
F	10y1d	0.00	3.71	0.0081	80.91	80.99	16557
F	25y3d	0.00	3.97	0.0081	147.37	146.87	23178
F	3Yr1D	0.00	3.42	0.0081	52.88	53.00	10165
F	5y1d	0.00	3.58	0.0081	66.57	66.58	13285

Node: G

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0200	871
2.00	0.0300	1307
2.50	0.0500	2178
3.00	0.0800	3485
3.50	0.1500	6534
4.00	0.4400	19166
4.50	1.2100	52708
5.00	2.1200	92347
5.50	2.8400	123710
6.00	3.4200	148975
6.50	4.0000	174240
7.00	4.5400	197762
7.50	5.0100	218236
8.00	5.4000	235224
8.50	5.4800	238709
9.00	5.4800	238709

Stage [ft]	Area [ac]	Area [ft2]
9.50	5.4800	238709
10.00	5.4800	238709
10.50	5.4800	238709
11.00	5.4800	238709
11.50	5.4800	238709
12.00	5.4800	238709
12.50	5.4800	238709
13.00	5.4800	238709
13.50	5.4800	238709
14.00	5.4800	238709
14.50	5.4800	238709
15.00	5.4800	238709
15.50	6.3900	278348
16.00	6.5600	285754
16.50	7.6300	332363
17.00	7.6900	334976
17.50	8.0100	348916

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
G	100y3d	0.00	4.75	0.0036	109.68	95.53	72634
G	10y1d	0.00	4.35	0.0036	59.54	58.51	42448
G	25y3d	0.00	4.59	0.0036	87.58	74.84	59637
G	3Yr1D	0.00	4.18	0.0036	38.97	38.41	31057
G	5y1d	0.00	4.23	0.0036	49.16	48.45	34376

Node: H

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0000	0
3.50	0.0800	3485
4.00	0.4500	19602
4.50	0.9200	40075
5.00	1.4700	64033
5.50	2.3900	104108

Stage [ft]	Area [ac]	Area [ft2]
6.00	3.4700	151153
6.50	4.6600	202990
7.00	5.4800	238709
7.50	6.0800	264845
8.00	6.1800	269201
8.50	6.1900	269636
9.00	6.1900	269636
9.50	6.1900	269636
10.00	6.1900	269636
10.50	6.1900	269636
11.00	6.1900	269636
11.50	6.1900	269636
12.00	6.1900	269636
12.50	6.1900	269636
13.00	6.1900	269636
13.50	6.1900	269636
14.00	6.1900	269636
14.50	6.1900	269636
15.00	6.1900	269636
15.50	6.6200	288367
16.00	7.4000	322344
16.50	7.4000	322344
17.00	7.4000	322344
17.50	8.1900	356756

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
H	100y3d	0.00	4.84	0.0003	213.50	206.38	56309
H	10y1d	0.00	4.54	0.0002	130.53	129.77	42081
H	25y3d	0.00	4.70	0.0003	174.33	169.55	49506
H	3Yr1D	0.00	4.42	0.0003	95.48	94.94	36741
H	5y1d	0.00	4.48	0.0002	113.05	112.39	39401

Node: I

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0400	1742
2.00	0.0600	2614
2.50	0.0900	3920
3.00	0.2600	11326
3.50	0.4600	20038
4.00	0.8000	34848
4.50	1.4900	64904
5.00	2.1700	94525
5.50	2.6600	115870
6.00	3.1300	136343
6.50	3.5500	154638
7.00	3.8400	167270
7.50	4.0100	174676
8.00	4.1500	180774
8.50	4.3000	187308
9.00	4.3400	189050
9.50	4.3400	189050
10.00	4.3400	189050
10.50	4.3400	189050
11.00	4.3400	189050
11.50	4.3400	189050
12.00	4.3400	189050
12.50	4.3400	189050
13.00	4.3400	189050
13.50	4.3400	189050
14.00	4.3400	189050
14.50	4.4100	192100
15.00	4.5300	197327
15.50	5.4700	238273
16.00	5.4700	238273
16.50	5.4700	238273
17.00	5.5700	242629
17.50	5.9200	257875
18.00	5.9200	257875
18.50	6.3400	276170

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
I	100y3d	0.00	3.90	0.0003	215.19	214.95	31978
I	10y1d	0.00	3.70	0.0003	119.05	118.97	25838

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
I	25y3d	0.00	3.81	0.0003	169.10	168.95	29250
I	3Yr1D	0.00	3.57	0.0003	74.58	74.51	22025
I	5y1d	0.00	3.64	0.0004	97.77	97.68	24145

Node: J1

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.0000	0
6.50	0.0100	436
7.00	0.2400	10454
7.50	1.1400	49658
8.00	2.0800	90605
8.50	2.7700	120661
9.00	3.2200	140263
9.50	3.5400	154202
10.00	3.8600	168142
10.50	4.0700	177289
11.00	4.3400	189050
11.50	4.8100	209524
12.00	5.3500	233046
12.50	6.0000	261360
13.00	6.4900	282704
13.50	6.7100	292288
14.00	6.9000	300564
14.50	6.9900	304484
15.00	7.0200	305791
15.50	7.0400	306662
16.00	7.0600	307534
16.50	7.0800	308405
17.00	7.0900	308840
17.50	7.1600	311890
18.00	7.3000	317988
18.50	7.4600	324958
19.00	7.4600	324958
19.50	7.4600	324958
20.00	7.5000	326700
20.50	7.5000	326700
21.00	7.5500	328878
21.50	7.8400	341510

Stage [ft]	Area [ac]	Area [ft2]
22.00	8.4400	367646
22.50	8.4400	367646
23.00	8.4400	367646
23.50	8.4800	369389
24.00	8.6300	375923

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J1	100y3d	0.00	7.33	0.0005	65.02	64.41	36393
J1	10y1d	0.00	7.21	0.0005	35.39	34.58	27073
J1	25y3d	0.00	7.28	0.0004	50.95	50.42	32634
J1	3Yr1D	0.00	7.14	0.0005	22.70	22.09	21058
J1	5y1d	0.00	7.18	0.0005	28.95	28.22	24264

Node: J2

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.0000	0
4.00	0.0100	436
4.50	0.0400	1742
5.00	0.1400	6098
5.50	0.4500	19602
6.00	1.1200	48787
6.50	2.1500	93654
7.00	3.4500	150282
7.50	5.3800	234353
8.00	7.4300	323651
8.50	9.7700	425581
9.00	11.6100	505732
9.50	13.3300	580655
10.00	15.0100	653836
10.50	16.3900	713948
11.00	17.7200	771883
11.50	18.4900	805424
12.00	18.9800	826769

Stage [ft]	Area [ac]	Area [ft2]
12.50	19.2800	839837
13.00	19.4500	847242
13.50	19.6900	857696
14.00	20.2800	883397
14.50	20.4700	891673
15.00	20.5700	896029
15.50	20.6300	898643
16.00	20.6400	899078
16.50	20.6500	899514
17.00	21.8500	951786
17.50	21.9300	955271
18.00	22.9000	997524
18.50	23.2400	1012334
19.00	23.5500	1025838
19.50	25.0600	1091614
20.00	25.0900	1092920
20.50	25.4200	1107295
21.00	26.1600	1139530
21.50	26.8400	1169150
22.00	27.0900	1180040
22.50	27.0900	1180040
23.00	27.0900	1180040
23.50	27.0900	1180040
24.00	27.4900	1197464

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J2	100y3d	0.00	5.87	0.0003	139.48	138.56	41085
J2	10y1d	0.00	5.62	0.0004	79.11	78.63	26875
J2	25y3d	0.00	5.76	0.0003	109.82	109.00	34940
J2	3Yr1D	0.00	5.47	0.0003	53.11	52.83	18807
J2	5y1d	0.00	5.55	0.0003	65.97	65.59	22654

Node: J3

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0000	0
3.00	0.0100	436
3.50	0.0400	1742
4.00	0.0800	3485
4.50	0.1100	4792
5.00	0.1400	6098
5.50	0.1800	7841
6.00	0.2400	10454
6.50	0.4300	18731
7.00	1.0400	45302
7.50	2.0900	91040
8.00	3.3400	145490
8.50	5.3600	233482
9.00	8.0400	350222
9.50	10.2600	446926
10.00	11.7700	512701
10.50	13.1200	571507
11.00	14.2100	618988
11.50	15.4100	671260
12.00	16.8500	733986
12.50	17.3900	757508
13.00	17.9400	781466
13.50	18.2800	796277
14.00	18.6800	813701
14.50	18.9800	826769
15.00	19.0400	829382
15.50	19.1000	831996
16.00	19.1600	834610
16.50	19.1600	834610
17.00	19.1600	834610
17.50	19.1600	834610
18.00	19.3200	841579
18.50	19.3200	841579
19.00	19.4900	848984
19.50	19.7600	860746
20.00	22.3300	972695
20.50	23.7100	1032808
21.00	23.7600	1034986
21.50	23.7600	1034986
22.00	24.9200	1085515
22.50	25.4300	1107731
23.00	25.4700	1109473
23.50	25.4800	1109909
24.00	25.9400	1129946

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J3	100y3d	0.00	5.54	0.0177	163.84	163.74	8076
J3	10y1d	0.00	5.22	0.0177	103.56	103.51	6880
J3	25y3d	0.00	5.40	0.0177	135.26	135.17	7495
J3	3Yr1D	0.00	5.06	0.0177	77.89	77.86	6318
J3	5y1d	0.00	5.14	0.0177	90.79	90.75	6610

Node: K

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.0000	0
4.50	0.0100	436
5.00	0.0300	1307
5.50	0.0600	2614
6.00	0.0800	3485
6.50	0.1200	5227
7.00	0.2100	9148
7.50	0.3900	16988
8.00	0.7100	30928
8.50	1.7300	75359
9.00	3.2400	141134
9.50	4.6200	201247
10.00	5.6500	246114
10.50	6.3600	277042
11.00	6.9600	303178
11.50	7.4700	325393
12.00	7.9600	346738
12.50	8.9300	388991
13.00	9.7300	423839
13.50	10.4100	453460
14.00	11.0300	480467
14.50	11.6600	507910
15.00	12.5200	545371
15.50	14.2700	621601
16.00	15.4800	674309
16.50	16.4600	716998
17.00	16.9800	739649
17.50	17.2400	750974
18.00	17.3300	754895

Stage [ft]	Area [ac]	Area [ft2]
18.50	17.3400	755330
19.00	17.3700	756637
19.50	17.3700	756637
20.00	17.3700	756637
20.50	17.3700	756637
21.00	17.3700	756637
21.50	17.3700	756637
22.00	17.9600	782338
22.50	17.9600	782338
23.00	17.9600	782338
23.50	18.0000	784080
24.00	18.0000	784080
24.50	19.0600	830254
25.00	20.1100	875992
25.50	20.1900	879476
26.00	20.8400	907790

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
K	100y3d	0.00	8.52	0.0177	140.70	139.36	78533
K	10y1d	0.00	8.39	0.0177	79.42	71.89	65297
K	25y3d	0.00	8.47	0.0177	110.96	109.19	73070
K	3Yr1D	0.00	8.21	0.0177	53.08	38.73	49674
K	5y1d	0.00	8.32	0.0177	66.09	55.23	59800

Node: L

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0100	436
2.00	0.0100	436
2.50	0.0900	3920
3.00	1.0800	47045
3.50	6.4900	282704

Stage [ft]	Area [ac]	Area [ft2]
4.00	14.6300	637283
4.50	26.4800	1153469
5.00	39.2900	1711472
5.50	46.2400	2014214
6.00	48.3700	2106997
6.50	49.1000	2138796
7.00	49.3000	2147508
7.50	49.4100	2152300
8.00	49.4400	2153606
8.50	49.4400	2153606
9.00	49.4500	2154042
9.50	49.4500	2154042
10.00	49.4500	2154042
10.50	49.4500	2154042
11.00	49.4500	2154042
11.50	49.4500	2154042
12.00	49.4500	2154042
12.50	49.4500	2154042
13.00	49.4500	2154042
13.50	49.4500	2154042
14.00	50.0700	2181049
14.50	53.6700	2337865
15.00	61.8200	2692879
15.50	68.5700	2986909
16.00	70.4600	3069238
16.50	71.2400	3103214
17.00	71.3800	3109313
17.50	71.3900	3109748

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
L	100y3d	0.00	4.63	0.0082	659.44	338.73	1301934
L	10y1d	0.00	3.90	0.0075	258.46	166.36	567641
L	25y3d	0.00	4.36	0.0091	477.86	249.03	1012840
L	3Yr1D	0.00	3.38	0.0045	156.16	110.89	224636
L	5y1d	0.00	3.63	0.0061	204.12	124.47	377319

Node: M

Scenario: Pipes
Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	1.5500	67518
3.50	1.5500	67518
4.00	1.5500	67518
4.50	1.5500	67518
5.00	1.5500	67518
5.50	1.5500	67518
6.00	1.5500	67518
6.50	2.3600	102802
7.00	6.3700	277477
7.50	11.3300	493535
8.00	16.9000	736164
8.50	19.7900	862052
9.00	21.7300	946559
9.50	22.8800	996653
10.00	23.6600	1030630
10.50	23.9700	1044133
11.00	24.1000	1049796
11.50	24.1900	1053716
12.00	24.2200	1055023
12.50	24.2200	1055023
13.00	24.2200	1055023
13.50	24.2200	1055023
14.00	24.2200	1055023
14.50	24.2200	1055023
15.00	24.2800	1057637
15.50	24.2800	1057637
16.00	24.2800	1057637
16.50	24.2800	1057637
17.00	24.6000	1071576
17.50	26.3000	1145628
18.00	30.0800	1310285
18.50	32.8400	1430510
19.00	33.7800	1471457
19.50	35.0100	1525036
20.00	36.1600	1575130
20.50	36.4000	1585584
21.00	36.4600	1588198

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
M	100y3d	0.00	6.70	0.0097	210.87	199.56	171947
M	10y1d	0.00	6.31	0.0100	96.94	64.23	89730
M	25y3d	0.00	6.56	0.0100	146.25	136.37	123068
M	3Yr1D	0.00	5.96	0.0077	63.19	21.02	67520
M	5y1d	0.00	6.16	0.0095	79.79	39.46	78519

Node: N

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.6800	29621
8.00	0.6800	29621
8.50	0.7000	30492
9.00	2.6000	113256
9.50	4.3700	190357
10.00	7.5600	329314
10.50	11.5300	502247
11.00	13.4500	585882
11.50	14.6800	639461
12.00	15.0200	654271
12.50	15.1100	658192
13.00	15.1500	659934
13.50	15.1600	660370
14.00	15.1700	660805
14.50	15.1700	660805
15.00	15.1800	661241
15.50	15.2100	662548
16.00	15.2100	662548
16.50	15.2100	662548
17.00	15.2100	662548
17.50	15.2100	662548
18.00	15.2100	662548
18.50	15.2500	664290
19.00	15.3800	669953
19.50	15.4800	674309
20.00	16.5200	719611
20.50	16.6700	726145
21.00	18.4900	805424
21.50	20.0600	873814
22.00	20.1800	879041

Stage [ft]	Area [ac]	Area [ft2]
22.50	20.2900	883832
23.00	20.3800	887753

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
N	100y3d	0.00	8.04	0.0186	112.48	99.29	29707
N	10y1d	0.00	6.38	0.0186	55.15	65.03	29631
N	25y3d	0.00	7.41	0.0186	86.07	65.03	29631
N	3Yr1D	0.00	5.54	0.0186	43.99	65.03	29631
N	5y1d	0.00	6.01	0.0186	44.40	65.03	29631

Node: O

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.6800	29621
4.50	0.6800	29621
5.00	0.6800	29621
5.50	0.6800	29621
6.00	0.6800	29621
6.50	0.6800	29621
7.00	0.6800	29621
7.50	0.6800	29621
8.00	0.6800	29621
8.50	0.6800	29621
9.00	1.6400	71438
9.50	3.0400	132422
10.00	4.8800	212573
10.50	6.1700	268765
11.00	7.1300	310583
11.50	7.7400	337154
12.00	8.1100	353272
12.50	8.1900	356756
13.00	8.2100	357628
13.50	8.2100	357628
14.00	8.2100	357628

Stage [ft]	Area [ac]	Area [ft2]
14.50	8.2800	360677
15.00	8.2800	360677
15.50	8.2800	360677
16.00	8.2800	360677
16.50	8.2800	360677
17.00	8.2800	360677
17.50	8.2800	360677
18.00	8.2800	360677
18.50	8.2800	360677
19.00	8.2800	360677
19.50	8.3800	365033
20.00	9.0100	392476
20.50	10.0800	439085
21.00	10.2900	448232
21.50	10.5200	458251
22.00	10.5200	458251
22.50	10.6900	465656

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
O	100y3d	0.00	7.28	0.0389	88.25	79.38	29623
O	10y1d	0.00	6.30	0.0389	34.09	43.99	29623
O	25y3d	0.00	6.91	0.0389	64.29	56.70	29623
O	3Yr1D	0.00	5.54	0.0389	19.33	43.99	29623
O	5y1d	0.00	5.99	0.0389	26.69	43.99	29623

Node: Outfall North

Scenario: Pipes
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -1.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-1.00
0	0	0	12.0000	1.00
0	0	0	24.0000	-1.00
0	0	0	36.0000	1.00
0	0	0	48.0000	-1.00

Year	Month	Day	Hour	Stage [ft]
0	0	0	60.0000	1.00
0	0	0	72.0000	-1.00
0	0	0	84.0000	1.00
0	0	0	96.0000	-1.00

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Outfall North	100y3d	0.00	1.00	0.0003	1224.68	0.04	0
Outfall North	10y1d	0.00	1.00	0.0001	636.21	0.04	0
Outfall North	25y3d	0.00	1.00	0.0002	935.89	0.04	0
Outfall North	3Yr1D	0.00	1.00	0.0001	416.89	0.04	0
Outfall North	5y1d	0.00	1.00	0.0001	523.75	0.04	0

Node: Outfall South

Scenario: Pipes
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -1.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-1.00
0	0	0	12.0000	1.00
0	0	0	24.0000	-1.00
0	0	0	36.0000	1.00
0	0	0	48.0000	-1.00
0	0	0	60.0000	1.00
0	0	0	72.0000	-1.00
0	0	0	84.0000	1.00
0	0	0	96.0000	-1.00

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Outfall South	100y3d	0.00	1.00	0.0003	995.87	0.50	0
Outfall South	10y1d	0.00	1.00	0.0001	550.49	0.52	0
Outfall South	25y3d	0.00	1.00	0.0002	771.47	0.53	0
Outfall South	3Yr1D	0.00	1.00	0.0001	397.36	0.52	0
Outfall South	5y1d	0.00	1.00	0.0001	479.30	0.52	0

Node: P1

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0100	436
2.00	0.0100	436
2.50	0.0200	871
3.00	0.0800	3485
3.50	0.3700	16117
4.00	1.7000	74052
4.50	3.6100	157252
5.00	6.0600	263974
5.50	8.5000	370260
6.00	9.7800	426017
6.50	10.3400	450410
7.00	10.7200	466963
7.50	11.1100	483952
8.00	11.5800	504425
8.50	11.9000	518364
9.00	11.9600	520978
9.50	11.9600	520978
10.00	11.9600	520978
10.50	11.9600	520978
11.00	11.9600	520978
11.50	11.9600	520978
12.00	11.9600	520978
12.50	11.9600	520978
13.00	11.9600	520978
13.50	11.9600	520978
14.00	11.9600	520978
14.50	12.0600	525334
15.00	13.0200	567151
15.50	14.4200	628135

Stage [ft]	Area [ac]	Area [ft2]
16.00	15.0400	655142
16.50	15.6400	681278
17.00	15.7000	683892
17.50	16.0400	698702
18.00	16.3800	713513
18.50	16.6300	724403
19.00	16.6400	724838

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P1	100y3d	0.00	4.62	0.0186	127.39	88.83	183193
P1	10y1d	0.00	3.82	0.0186	67.84	56.45	53141
P1	25y3d	0.00	4.35	0.0186	98.44	79.04	131561
P1	3Yr1D	0.00	3.13	0.0186	43.17	40.43	6846
P1	5y1d	0.00	3.56	0.0186	55.32	47.92	23081

Node: P2

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.0700	3049
3.50	0.1300	5663
4.00	0.2200	9583
4.50	0.4100	17860
5.00	1.0900	47480
5.50	1.6400	71438
6.00	2.0300	88427
6.50	2.3300	101495
7.00	2.4700	107593
7.50	2.6400	114998
8.00	2.8500	124146
8.50	2.9800	129809
9.00	2.9900	130244
9.50	3.0000	130680

Stage [ft]	Area [ac]	Area [ft2]
10.00	3.0000	130680
10.50	3.0000	130680
11.00	3.0000	130680
11.50	3.0000	130680
12.00	3.0000	130680
12.50	3.0000	130680
13.00	3.0000	130680
13.50	3.0000	130680
14.00	3.0000	130680
14.50	3.0000	130680
15.00	3.0300	131987
15.50	3.2100	139828
16.00	3.5900	156380
16.50	3.7500	163350
17.00	3.7500	163350
17.50	3.7500	163350
18.00	3.9200	170755
18.50	4.0700	177289
19.00	4.1400	180338

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P2	100y3d	0.00	5.19	0.0010	31.00	19.28	56586
P2	10y1d	0.00	4.84	0.0010	16.27	5.00	38101
P2	25y3d	0.00	5.09	0.0010	24.19	10.77	52024
P2	3Yr1D	0.00	4.30	0.0010	10.16	4.44	14616
P2	5y1d	0.00	4.63	0.0010	13.16	4.79	25434

Node: P3

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.1300	5663
3.50	0.3000	13068

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.6600	28750
4.50	1.3100	57064
5.00	2.3600	102802
5.50	3.3800	147233
6.00	4.4400	193406
6.50	5.3700	233917
7.00	6.5500	285318
7.50	7.6000	331056
8.00	7.7500	337590
8.50	7.7500	337590
9.00	7.7500	337590
9.50	7.7500	337590
10.00	7.7500	337590
10.50	7.7500	337590
11.00	7.7500	337590
11.50	7.7500	337590
12.00	7.7500	337590
12.50	7.7500	337590
13.00	7.7500	337590
13.50	7.7500	337590
14.00	7.8400	341510
14.50	7.9500	346302
15.00	8.9500	389862
15.50	9.4100	409900
16.00	9.8700	429937
16.50	10.0900	439520
17.00	10.6900	465656
17.50	11.2800	491357
18.00	11.3700	495277

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P3	100y3d	0.00	3.90	0.0138	170.41	169.33	25636
P3	10y1d	0.00	3.60	0.0138	96.80	96.25	16326
P3	25y3d	0.00	3.76	0.0138	134.30	133.59	21390
P3	3Yr1D	0.00	3.43	0.0138	64.11	63.66	12035
P3	5y1d	0.00	3.52	0.0138	80.66	80.15	13812

Node: P4

Scenario: Pipes

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0100	436
2.00	0.0500	2178
2.50	0.3400	14810
3.00	1.3100	57064
3.50	3.1500	137214
4.00	5.3700	233917
4.50	7.3400	319730
5.00	8.3200	362419
5.50	8.7500	381150
6.00	9.0500	394218
6.50	9.2100	401188
7.00	9.3600	407722
7.50	9.4400	411206
8.00	9.4500	411642
8.50	9.4500	411642
9.00	9.4500	411642
9.50	9.4500	411642
10.00	9.4500	411642
10.50	9.4500	411642
11.00	9.4500	411642
11.50	9.4500	411642
12.00	9.4500	411642
12.50	9.4500	411642
13.00	9.4500	411642
13.50	9.4500	411642
14.00	10.2400	446054
14.50	11.5200	501811
15.00	12.5500	546678
15.50	12.8700	560617
16.00	13.2100	575428
16.50	13.3500	581526
17.00	13.4600	586318
17.50	13.5300	589367

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P4	100y3d	0.00	4.12	0.0184	131.29	48.17	254522
P4	10y1d	0.00	3.38	0.0184	55.49	26.92	117840
P4	25y3d	0.00	3.85	0.0184	94.13	37.66	204543
P4	3Yr1D	0.00	2.79	0.0184	32.27	23.30	39683
P4	5y1d	0.00	3.10	0.0184	41.87	25.25	72831

Node: Q

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.0000	0
4.00	0.0100	436
4.50	0.0100	436
5.00	0.0400	1742
5.50	0.1100	4792
6.00	0.3500	15246
6.50	1.0900	47480
7.00	2.6300	114563
7.50	4.0200	175111
8.00	5.2800	229997
8.50	6.4300	280091
9.00	7.0900	308840
9.50	7.2500	315810
10.00	7.2800	317117
10.50	7.2900	317552
11.00	7.2900	317552
11.50	7.2900	317552
12.00	7.2900	317552
12.50	7.2900	317552
13.00	7.2900	317552
13.50	7.2900	317552
14.00	7.2900	317552
14.50	7.2900	317552
15.00	7.2900	317552
15.50	7.2900	317552
16.00	7.2900	317552
16.50	7.4500	324522
17.00	7.8200	340639
17.50	8.6600	377230
18.00	9.2600	403366

Stage [ft]	Area [ac]	Area [ft2]
18.50	10.5100	457816
19.00	11.2100	488308
19.50	11.2800	491357
20.00	11.8600	516622

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Q	100y3d	0.00	6.40	0.0435	132.53	123.88	40916
Q	10y1d	0.00	5.07	0.0435	49.84	49.28	2208
Q	25y3d	0.00	5.96	0.0435	85.28	82.11	14331
Q	3Yr1D	0.00	4.08	0.0435	32.77	49.28	554
Q	5y1d	0.00	4.55	0.0435	41.18	49.28	586

Node: R

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0100	436
3.00	0.0800	3485
3.50	0.5200	22651
4.00	1.5600	67954
4.50	2.6700	116305
5.00	3.5500	154638
5.50	4.2700	186001
6.00	4.7200	205603
6.50	5.2000	226512
7.00	5.6600	246550
7.50	6.0700	264409
8.00	6.3400	276170
8.50	6.7500	294030
9.00	7.0300	306227
9.50	7.1100	309712
10.00	7.1700	312325
10.50	7.2900	317552
11.00	7.3500	320166

Stage [ft]	Area [ac]	Area [ft2]
11.50	7.3500	320166
12.00	7.3500	320166
12.50	7.3500	320166
13.00	7.3500	320166
13.50	7.3500	320166
14.00	7.3500	320166
14.50	7.3800	321473
15.00	7.8500	341946
15.50	8.1800	356321
16.00	8.3200	362419
16.50	8.5900	374180
17.00	8.9600	390298
17.50	9.1100	396832
18.00	9.7200	423403
18.50	10.1500	442134
19.00	10.1500	442134
19.50	10.1500	442134
20.00	10.2100	444748
20.50	10.5600	459994
21.00	10.5600	459994
21.50	10.5600	459994

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
R	100y3d	0.00	4.24	0.0164	82.17	66.53	91192
R	10y1d	0.00	3.88	0.0164	48.85	34.89	56669
R	25y3d	0.00	4.10	0.0164	65.11	49.19	78113
R	3Yr1D	0.00	3.45	0.0164	33.10	26.43	20779
R	5y1d	0.00	3.73	0.0164	40.90	29.69	43104

Node: S

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.50	0.5100	22216
5.50	0.5100	22216

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.5100	22216
6.50	0.5100	22216
7.00	0.5100	22216
7.50	1.4400	62726
8.00	2.3700	103237
8.50	4.0900	178160
9.00	7.3600	320602
9.50	10.5200	458251
10.00	13.8300	602435
10.50	16.1400	703058
11.00	17.4500	760122
11.50	18.0300	785387
12.00	18.1700	791485
12.50	18.1900	792356
13.00	18.2100	793228
13.50	18.2200	793663
14.00	18.2200	793663
14.50	18.2300	794099
15.00	18.2300	794099
15.50	18.2300	794099
16.00	18.2400	794534
16.50	18.2700	795841
17.00	18.2700	795841
17.50	18.3100	797584
18.00	18.4500	803682
18.50	18.6500	812394
19.00	18.9800	826769
19.50	19.3700	843757
20.00	20.3100	884704
20.50	22.3400	973130
21.00	23.7300	1033679
21.50	24.1200	1050667

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
S	100y3d	0.00	7.28	0.0254	142.57	139.41	44712
S	10y1d	0.00	6.75	0.0254	77.92	72.73	22228
S	25y3d	0.00	7.12	0.0254	111.98	109.66	31643
S	3Yr1D	0.00	6.31	0.0254	61.79	45.77	22228
S	5y1d	0.00	6.53	0.0254	69.32	59.31	22228

Node: T

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.50	0.5100	22216
5.00	0.5100	22216
5.50	0.5100	22216
6.00	0.5100	22216
6.50	0.5100	22216
7.00	0.5100	22216
7.50	0.5100	22216
8.00	0.5100	22216
8.50	0.6200	27007
9.00	1.4200	61855
9.50	3.0700	133729
10.00	5.2000	226512
10.50	6.7000	291852
11.00	7.3400	319730
11.50	7.7200	336283
12.00	7.9500	346302
12.50	8.0500	350658
13.00	8.0700	351529
13.50	8.0700	351529
14.00	8.0700	351529
14.50	8.0700	351529
15.00	8.0700	351529
15.50	8.0700	351529
16.00	8.0700	351529
16.50	8.0700	351529
17.00	8.0700	351529
17.50	8.0700	351529
18.00	8.0700	351529
18.50	8.1000	352836
19.00	8.1000	352836
19.50	9.3100	405544
20.00	10.0300	436907
20.50	10.7500	468270
21.00	11.2500	490050
21.50	11.5900	504860
22.00	11.8100	514444

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
T	100y3d	0.00	6.77	0.0162	113.05	111.65	22220
T	10y1d	0.00	6.44	0.0162	79.58	77.87	22220
T	25y3d	0.00	6.66	0.0162	101.65	99.68	22220
T	3Yr1D	0.00	6.14	0.0162	52.98	51.14	22220
T	5y1d	0.00	6.30	0.0162	66.68	64.91	22220

Node: U1

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0400	1742
3.00	0.2800	12197
3.50	0.8000	34848
4.00	1.7100	74488
4.50	2.7600	120226
5.00	3.2500	141570
5.50	3.4000	148104
6.00	3.4500	150282
6.50	3.5100	152896
7.00	3.5200	153331
7.50	3.5200	153331
8.00	3.5200	153331
8.50	3.5200	153331
9.00	3.5200	153331
9.50	3.5200	153331
10.00	3.5200	153331
10.50	3.5200	153331
11.00	3.5200	153331
11.50	3.5200	153331
12.00	3.5200	153331
12.50	3.5200	153331
13.00	3.5200	153331
13.50	3.5200	153331
14.00	3.6700	159865
14.50	4.2500	185130
15.00	4.6600	202990
15.50	5.0800	221285
16.00	5.1900	226076

Stage [ft]	Area [ac]	Area [ft2]
16.50	5.1900	226076
17.00	5.1900	226076
17.50	5.1900	226076
18.00	5.1900	226076
18.50	5.1900	226076
19.00	5.1900	226076
19.50	5.1900	226076
20.00	5.1900	226076
20.50	5.1900	226076

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U1	100y3d	0.00	4.19	0.0055	44.76	24.13	91651
U1	10y1d	0.00	3.72	0.0055	20.05	11.00	52367
U1	25y3d	0.00	3.99	0.0055	31.07	16.96	73928
U1	3Yr1D	0.00	3.24	0.0055	12.68	9.37	23235
U1	5y1d	0.00	3.52	0.0055	16.31	10.16	36341

Node: U2

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.50	0.0100	436
2.00	0.0100	436
2.50	0.0500	2178
3.00	0.3100	13504
3.50	1.2900	56192
4.00	2.8800	125453
4.50	4.8200	209959
5.00	6.2900	273992
5.50	6.7700	294901
6.00	7.0400	306662
6.50	7.1900	313196
7.00	7.3200	318859
7.50	7.4800	325829

Stage [ft]	Area [ac]	Area [ft2]
8.00	7.7300	336719
8.50	7.9900	348044
9.00	8.6000	374616
9.50	9.3000	405108
10.00	9.9200	432115
10.50	10.0900	439520
11.00	10.1100	440392
11.50	10.1100	440392
12.00	10.1100	440392
12.50	10.1100	440392
13.00	10.1100	440392
13.50	10.1100	440392
14.00	10.3000	448668
14.50	11.0000	479160
15.00	12.3200	536659
15.50	12.7500	555390
16.00	12.8600	560182
16.50	12.8600	560182
17.00	12.9600	564538
17.50	13.0700	569329
18.00	13.0700	569329
18.50	13.3800	582833
19.00	13.3800	582833
19.50	13.3800	582833
20.00	13.5800	591545
20.50	13.7400	598514

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U2	100y3d	0.00	4.17	0.0110	90.68	53.52	153466
U2	10y1d	0.00	3.60	0.0110	47.85	29.96	70259
U2	25y3d	0.00	4.00	0.0110	71.06	36.78	126021
U2	3Yr1D	0.00	3.00	0.0110	30.35	26.13	13458
U2	5y1d	0.00	3.35	0.0110	38.97	28.40	43118

Node: U3

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0100	436
3.00	0.0300	1307
3.50	0.2600	11326
4.00	0.8100	35284
4.50	1.3400	58370
5.00	1.7800	77537
5.50	2.0500	89298
6.00	2.2000	95832
6.50	2.3400	101930
7.00	2.5700	111949
7.50	2.7500	119790
8.00	2.9200	127195
8.50	3.3000	143748
9.00	3.8500	167706
9.50	4.3100	187744
10.00	4.5400	197762
10.50	4.5800	199505
11.00	4.5900	199940
11.50	4.5900	199940
12.00	4.5900	199940

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U3	100y3d	0.00	4.18	0.0183	52.97	39.14	43639
U3	10y1d	0.00	3.40	0.0183	31.84	28.64	9354
U3	25y3d	0.00	3.96	0.0183	42.44	32.35	33187
U3	3Yr1D	0.00	2.70	0.0183	24.19	24.06	804
U3	5y1d	0.00	3.11	0.0183	27.66	26.83	3586

Node: V

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0000	0
5.50	0.0100	436
6.00	0.0800	3485
6.50	0.2400	10454
7.00	0.3300	14375
7.50	0.4700	20473
8.00	0.6400	27878
8.50	1.2400	54014
9.00	2.1200	92347
9.50	3.1300	136343
10.00	4.0100	174676
10.50	4.6800	203861
11.00	5.2000	226512
11.50	5.4600	237838
12.00	5.6300	245243
12.50	5.7700	251341
13.00	5.8400	254390
13.50	5.9200	257875
14.00	5.9900	260924
14.50	6.0600	263974
15.00	6.0800	264845
15.50	6.0900	265280
16.00	6.0900	265280
16.50	6.0900	265280
17.00	6.0900	265280
17.50	6.0900	265280
18.00	6.0900	265280
18.50	6.0900	265280
19.00	6.0900	265280
19.50	6.0900	265280
20.00	6.1400	267458
20.50	6.3900	278348
21.00	6.9000	300564
21.50	6.9000	300564
22.00	6.9000	300564
22.50	6.9000	300564
23.00	6.9000	300564
23.50	6.9000	300564
24.00	6.9000	300564
24.50	6.9100	301000

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
V	100y3d	0.00	6.80	0.0640	94.22	92.98	12789
V	10y1d	0.00	6.54	0.0640	50.92	73.21	10798
V	25y3d	0.00	6.70	0.0640	79.34	78.09	12046
V	3Yr1D	0.00	6.30	0.0640	20.88	73.21	7673
V	5y1d	0.00	6.45	0.0640	36.53	73.21	9728

Node: W

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0000	0
3.00	0.0100	436
3.50	0.0600	2614
4.00	0.5900	25700
4.50	1.5800	68825
5.00	2.7600	120226
5.50	3.5100	152896
6.00	3.7900	165092
6.50	3.9700	172933
7.00	4.1400	180338
7.50	4.4300	192971
8.00	4.7300	206039
8.50	5.1400	223898
9.00	5.4800	238709
9.50	5.8600	255262
10.00	5.9600	259618
10.50	6.0000	261360
11.00	6.0200	262231
11.50	6.0400	263102
12.00	6.0600	263974
12.50	6.0600	263974
13.00	6.0600	263974
13.50	6.0600	263974
14.00	6.0600	263974
14.50	6.0600	263974
15.00	6.1500	267894
15.50	6.3100	274864
16.00	6.3100	274864
16.50	6.3100	274864
17.00	6.3100	274864

Stage [ft]	Area [ac]	Area [ft2]
17.50	6.4000	278784
18.00	6.4100	279220
18.50	6.4600	281398
19.00	6.5700	286189
19.50	6.5700	286189
20.00	6.5900	287060
20.50	6.6500	289674

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W	100y3d	0.00	4.63	0.0692	132.06	115.88	81995
W	10y1d	0.00	3.85	0.0692	72.91	78.36	18812
W	25y3d	0.00	4.35	0.0692	100.41	93.21	56289
W	3Yr1D	0.00	3.37	0.0692	39.73	78.36	2126
W	5y1d	0.00	3.59	0.0692	50.79	78.36	7002

Node: W1

Scenario: Pipes
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.1000	4356
20.00	0.2000	8712

Comment:

Node Max Conditions [Pipes]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W1	100y3d	0.00	7.25	0.0113	119.39	34.61	5974
W1	10y1d	0.00	6.06	0.0113	119.39	32.32	5713
W1	25y3d	0.00	6.86	0.0113	119.39	32.40	5888
W1	3Yr1D	0.00	5.27	0.0113	119.39	31.50	5542

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W1	5y1d	0.00	5.72	0.0113	119.39	32.02	5639

Node: A

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.3200	13939
2.50	1.3700	59677
3.00	3.1500	137214
3.50	6.7400	293594
4.00	11.1100	483952
4.50	15.5700	678229
5.00	19.2000	836352
5.50	22.1800	966161
6.00	23.7100	1032808
6.50	24.2300	1055459
7.00	24.3100	1058944
7.50	24.3100	1058944
8.00	24.3100	1058944
8.50	24.3100	1058944
9.00	24.3100	1058944
9.50	24.3100	1058944
10.00	24.3100	1058944
10.50	24.3100	1058944
11.00	24.3100	1058944
11.50	24.3100	1058944
12.00	24.3100	1058944
12.50	24.3100	1058944
13.00	24.3100	1058944
13.50	25.2900	1101632
14.00	26.2300	1142579
14.50	28.4600	1239718
15.00	30.7500	1339470
15.50	32.5700	1418749
16.00	33.5800	1462745
16.50	34.0900	1484960

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
A	100y3d	0.00	3.95	0.0005	204.60	138.32	463639
A	10y1d	0.00	3.70	0.0010	115.43	66.72	370692
A	25y3d	0.00	3.84	0.0007	162.27	101.11	422210
A	3Yr1D	0.00	3.52	0.0010	75.46	37.90	299783
A	5y1d	0.00	3.62	0.0010	95.33	51.30	338888

Node: B

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.64 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0700	3049
2.50	0.3400	14810
3.00	0.8400	36590
3.50	1.5700	68389
4.00	2.2600	98446
4.50	2.5700	111949
5.00	2.6600	115870
5.50	2.6600	115870
6.00	2.6600	115870
6.50	2.6600	115870
7.00	2.6600	115870
7.50	2.6600	115870
8.00	2.6600	115870
8.50	2.6600	115870
9.00	2.6600	115870
9.50	2.6600	115870
10.00	2.6600	115870
10.50	2.6600	115870
11.00	2.6600	115870
11.50	2.6600	115870
12.00	2.6600	115870
12.50	2.6600	115870
13.00	2.7300	118919
13.50	3.0100	131116
14.00	3.4800	151589
14.50	3.7300	162479
15.00	3.8200	166399

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
B	100y3d	0.64	3.70	0.0003	30.82	15.92	80291
B	10y1d	0.64	3.50	0.0003	19.73	7.55	68454
B	25y3d	0.64	3.60	0.0003	24.76	10.62	74336
B	3Yr1D	0.64	3.34	0.0002	13.70	4.74	58019
B	5y1d	0.64	3.42	0.0003	16.72	6.04	63508

Node: C

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	1.2300	53579
2.50	2.8100	122404
3.00	4.3900	191228
3.50	6.3300	275735
4.00	9.7500	424710
4.50	13.1000	570636
5.00	14.2600	621166
5.50	14.6600	638590
6.00	14.9600	651658
6.50	15.2600	664726
7.00	15.4800	674309
7.50	15.7300	685199
8.00	16.0600	699574
8.50	16.1900	705236
9.00	16.2000	705672
9.50	16.2000	705672
10.00	16.2000	705672
10.50	16.2000	705672
11.00	16.2000	705672
11.50	16.2000	705672
12.00	16.2000	705672
12.50	16.2000	705672
13.00	16.2500	707850
13.50	16.3300	711335

Stage [ft]	Area [ac]	Area [ft2]
14.00	17.0000	740520
14.50	21.3700	930877
15.00	22.7700	991861
15.50	22.9200	998395
16.00	23.3700	1017997
16.50	23.4300	1020611
17.00	23.4300	1020611
17.50	23.7200	1033243
18.00	23.8000	1036728

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
C	100y3d	0.00	3.61	0.0023	151.58	120.27	307658
C	10y1d	0.00	3.45	0.0009	90.86	58.77	267227
C	25y3d	0.00	3.53	0.0013	121.18	86.31	285030
C	3Yr1D	0.00	3.31	0.0003	61.34	28.53	243073
C	5y1d	0.00	3.39	0.0003	76.09	44.11	257463

Node: D

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0300	1307
2.50	0.0900	3920
3.00	0.2100	9148
3.50	0.5400	23522
4.00	1.2200	53143
4.50	1.7000	74052
5.00	2.2100	96268
5.50	2.6900	117176
6.00	3.0800	134165
6.50	3.6500	158994
7.00	4.4800	195149
7.50	5.1200	223027
8.00	5.4800	238709

Stage [ft]	Area [ac]	Area [ft2]
8.50	5.6900	247856
9.00	5.7500	250470
9.50	5.7700	251341
10.00	5.7700	251341
10.50	5.7700	251341
11.00	5.7700	251341
11.50	5.7700	251341
12.00	5.7700	251341
12.50	5.7700	251341
13.00	5.7700	251341
13.50	5.7700	251341
14.00	5.7700	251341
14.50	5.7700	251341
15.00	5.7700	251341
15.50	7.7200	336283
16.00	7.7200	336283
16.50	10.1700	443005

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
D	100y3d	0.00	3.94	0.0008	81.13	78.15	49712
D	10y1d	0.00	3.74	0.0005	49.64	46.68	37884
D	25y3d	0.00	3.85	0.0004	64.70	62.35	44146
D	3Yr1D	0.00	3.62	0.0003	33.79	31.72	30664
D	5y1d	0.00	3.68	0.0005	41.68	39.16	34456

Node: E1

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0500	2178
2.50	0.1700	7405
3.00	0.4400	19166
3.50	1.2500	54450
4.00	3.2100	139828

Stage [ft]	Area [ac]	Area [ft2]
4.50	5.8500	254826
5.00	9.1600	399010
5.50	12.6900	552776
6.00	15.8000	688248
6.50	18.6700	813265
7.00	20.8100	906484
7.50	21.9200	954835
8.00	22.7200	989683
8.50	23.4300	1020611
9.00	24.0000	1045440
9.50	24.3500	1060686
10.00	24.5700	1070269
10.50	24.7600	1078546
11.00	24.9100	1085080
11.50	25.0700	1092049
12.00	25.2600	1100326
12.50	25.4400	1108166
13.00	25.5600	1113394
13.50	25.6400	1116878
14.00	25.6800	1118621
14.50	25.9000	1128204
15.00	27.0500	1178298
15.50	29.3200	1277179
16.00	31.8400	1386950
16.50	33.3800	1454033
17.00	34.6100	1507612
17.50	35.0900	1528520
18.00	35.6100	1551172
18.50	35.8800	1562933
19.00	36.2200	1577743
19.50	36.2800	1580357
20.00	36.4800	1589069
20.50	36.5900	1593860
21.00	36.5900	1593860
21.50	36.5900	1593860
22.00	36.6500	1596474
22.50	36.8000	1603008
23.00	36.8600	1605622
23.50	36.9100	1607800

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E1	100y3d	0.00	4.39	0.0019	291.84	251.63	228913
E1	10y1d	0.00	3.96	0.0020	148.75	123.44	133148
E1	25y3d	0.00	4.22	0.0020	224.07	192.94	190678
E1	3Yr1D	0.00	3.69	0.0014	94.58	78.91	86652
E1	5y1d	0.00	3.83	0.0016	121.33	100.02	111531

Node: E2

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0400	1742
2.50	0.1100	4792
3.00	0.2500	10890
3.50	0.4800	20909
4.00	0.8600	37462
4.50	1.5500	67518
5.00	2.3600	102802
5.50	3.1200	135907
6.00	3.8300	166835
6.50	4.3300	188615
7.00	4.5200	196891
7.50	4.5900	199940
8.00	4.6400	202118
8.50	4.6700	203425
9.00	4.6800	203861
9.50	4.6800	203861
10.00	4.6800	203861
10.50	4.6800	203861
11.00	4.6800	203861
11.50	4.6800	203861
12.00	4.6800	203861
12.50	4.6800	203861
13.00	4.6800	203861
13.50	4.6800	203861
14.00	4.6800	203861
14.50	4.6800	203861
15.00	4.9500	215622
15.50	5.2600	229126
16.00	5.8100	253084

Stage [ft]	Area [ac]	Area [ft2]
16.50	6.9900	304484
17.00	7.0700	307969
17.50	7.1800	312761
18.00	7.2200	314503
18.50	7.2700	316681

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E2	100y3d	0.00	4.49	0.0006	52.36	47.90	66995
E2	10y1d	0.00	4.32	0.0006	28.98	18.70	56952
E2	25y3d	0.00	4.43	0.0006	41.32	34.16	63102
E2	3Yr1D	0.00	4.14	0.0005	18.68	7.33	45596
E2	5y1d	0.00	4.26	0.0006	23.78	12.32	52843

Node: E3

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0100	436
2.50	0.1300	5663
3.00	0.7200	31363
3.50	1.7600	76666
4.00	2.8300	123275
4.50	4.1700	181645
5.00	5.2300	227819
5.50	5.8000	252648
6.00	6.1200	266587
6.50	6.6200	288367
7.00	7.1900	313196
7.50	8.0000	348480
8.00	8.5700	373309
8.50	8.8100	383764
9.00	8.8600	385942
9.50	8.8600	385942
10.00	8.8600	385942

Stage [ft]	Area [ac]	Area [ft2]
10.50	8.8600	385942
11.00	8.8600	385942
11.50	8.8600	385942
12.00	8.8600	385942
12.50	8.8600	385942
13.00	8.8600	385942
13.50	8.8600	385942
14.00	9.1000	396396
14.50	9.8200	427759
15.00	10.7700	469141
15.50	11.4700	499633
16.00	11.4700	499633
16.50	11.6400	507038
17.00	11.7100	510088
17.50	12.0500	524898
18.00	12.5500	546678
18.50	12.7600	555826

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E3	100y3d	0.00	4.77	0.0010	254.25	222.17	206272
E3	10y1d	0.00	4.42	0.0010	161.64	130.07	172414
E3	25y3d	0.00	4.63	0.0010	210.11	176.02	193210
E3	3Yr1D	0.00	4.16	0.0010	114.53	92.71	142026
E3	5y1d	0.00	4.30	0.0010	139.52	110.98	158688

Node: F

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.0800	3485
3.50	0.2600	11326
4.00	0.5500	23958
4.50	1.0700	46609

Stage [ft]	Area [ac]	Area [ft2]
5.00	1.3700	59677
5.50	1.8400	80150
6.00	2.8700	125017
6.50	4.6300	201683
7.00	6.7700	294901
7.50	8.6800	378101
8.00	10.2200	445183
8.50	11.1800	487001
9.00	11.5400	502682
9.50	11.5800	504425
10.00	11.5900	504860
10.50	11.5900	504860
11.00	11.5900	504860
11.50	11.6000	505296
12.00	11.6000	505296
12.50	11.6000	505296
13.00	11.6000	505296
13.50	11.6000	505296
14.00	11.6000	505296
14.50	11.6000	505296
15.00	11.6000	505296
15.50	11.6000	505296
16.00	12.5200	545371
16.50	12.5200	545371
17.00	12.5600	547114
17.50	12.5600	547114
18.00	13.2400	576734
18.50	13.9500	607662
19.00	14.2700	621601
19.50	14.3300	624215

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
F	100y3d	0.00	4.20	0.0005	222.88	222.04	32815
F	10y1d	0.00	3.87	0.0009	110.86	110.70	20579
F	25y3d	0.00	4.05	0.0006	170.25	169.76	26377
F	3Yr1D	0.00	3.67	0.0005	62.64	62.51	15546
F	5y1d	0.00	3.77	0.0007	86.59	86.44	18252

Node: G

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0300	1307
2.50	0.0500	2178
3.00	0.0800	3485
3.50	0.1500	6534
4.00	0.4400	19166
4.50	1.2100	52708
5.00	2.1200	92347
5.50	2.8400	123710
6.00	3.4200	148975
6.50	4.0000	174240
7.00	4.5400	197762
7.50	5.0100	218236
8.00	5.4000	235224
8.50	5.4800	238709
9.00	5.4800	238709
9.50	5.4800	238709
10.00	5.4800	238709
10.50	5.4800	238709
11.00	5.4800	238709
11.50	5.4800	238709
12.00	5.4800	238709
12.50	5.4800	238709
13.00	5.4800	238709
13.50	5.4800	238709
14.00	5.4800	238709
14.50	5.4800	238709
15.00	5.4800	238709
15.50	6.3900	278348
16.00	6.5600	285754
16.50	7.6300	332363
17.00	7.6900	334976
17.50	8.0100	348916

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
G	100y3d	0.00	4.80	0.0009	108.91	96.44	76339
G	10y1d	0.00	4.45	0.0010	61.44	53.45	49357
G	25y3d	0.00	4.65	0.0008	88.08	76.21	64883
G	3Yr1D	0.00	4.20	0.0010	40.31	39.70	32601
G	5y1d	0.00	4.33	0.0009	50.74	48.76	41637

Node: H

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0000	0
3.50	0.0800	3485
4.00	0.4500	19602
4.50	0.9200	40075
5.00	1.4700	64033
5.50	2.3900	104108
6.00	3.4700	151153
6.50	4.6600	202990
7.00	5.4800	238709
7.50	6.0800	264845
8.00	6.1800	269201
8.50	6.1900	269636
9.00	6.1900	269636
9.50	6.1900	269636
10.00	6.1900	269636
10.50	6.1900	269636
11.00	6.1900	269636
11.50	6.1900	269636
12.00	6.1900	269636
12.50	6.1900	269636
13.00	6.1900	269636
13.50	6.1900	269636
14.00	6.1900	269636
14.50	6.1900	269636
15.00	6.1900	269636
15.50	6.6200	288367
16.00	7.4000	322344
16.50	7.4000	322344
17.00	7.4000	322344
17.50	8.1900	356756

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
H	100y3d	0.00	4.87	0.0003	214.22	207.57	57925
H	10y1d	0.00	4.56	0.0004	131.42	129.34	42978
H	25y3d	0.00	4.74	0.0003	175.05	168.91	51552
H	3Yr1D	0.00	4.42	0.0004	96.17	95.61	36849
H	5y1d	0.00	4.49	0.0003	113.85	113.02	39534

Node: I

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0600	2614
2.50	0.0900	3920
3.00	0.2600	11326
3.50	0.4600	20038
4.00	0.8000	34848
4.50	1.4900	64904
5.00	2.1700	94525
5.50	2.6600	115870
6.00	3.1300	136343
6.50	3.5500	154638
7.00	3.8400	167270
7.50	4.0100	174676
8.00	4.1500	180774
8.50	4.3000	187308
9.00	4.3400	189050
9.50	4.3400	189050
10.00	4.3400	189050
10.50	4.3400	189050
11.00	4.3400	189050
11.50	4.3400	189050
12.00	4.3400	189050
12.50	4.3400	189050
13.00	4.3400	189050

Stage [ft]	Area [ac]	Area [ft2]
13.50	4.3400	189050
14.00	4.3400	189050
14.50	4.4100	192100
15.00	4.5300	197327
15.50	5.4700	238273
16.00	5.4700	238273
16.50	5.4700	238273
17.00	5.5700	242629
17.50	5.9200	257875
18.00	5.9200	257875
18.50	6.3400	276170

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
I	100y3d	0.00	3.93	0.0003	228.15	227.89	32693
I	10y1d	0.00	3.73	0.0003	134.53	134.45	26961
I	25y3d	0.00	3.84	0.0002	183.46	183.28	30136
I	3Yr1D	0.00	3.62	0.0003	91.70	91.62	23623
I	5y1d	0.00	3.68	0.0003	113.00	112.93	25378

Node: J1

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.0000	0
6.50	0.0100	436
7.00	0.2400	10454
7.50	1.1400	49658
8.00	2.0800	90605
8.50	2.7700	120661
9.00	3.2200	140263
9.50	3.5400	154202
10.00	3.8600	168142
10.50	4.0700	177289
11.00	4.3400	189050
11.50	4.8100	209524

Stage [ft]	Area [ac]	Area [ft2]
12.00	5.3500	233046
12.50	6.0000	261360
13.00	6.4900	282704
13.50	6.7100	292288
14.00	6.9000	300564
14.50	6.9900	304484
15.00	7.0200	305791
15.50	7.0400	306662
16.00	7.0600	307534
16.50	7.0800	308405
17.00	7.0900	308840
17.50	7.1600	311890
18.00	7.3000	317988
18.50	7.4600	324958
19.00	7.4600	324958
19.50	7.4600	324958
20.00	7.5000	326700
20.50	7.5000	326700
21.00	7.5500	328878
21.50	7.8400	341510
22.00	8.4400	367646
22.50	8.4400	367646
23.00	8.4400	367646
23.50	8.4800	369389
24.00	8.6300	375923

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J1	100y3d	0.00	7.33	0.0009	65.02	64.41	36393
J1	10y1d	0.00	7.21	0.0008	35.39	34.58	27073
J1	25y3d	0.00	7.28	0.0007	50.95	50.42	32635
J1	3Yr1D	0.00	7.14	0.0007	22.69	22.09	21058
J1	5y1d	0.00	7.18	0.0008	28.95	28.23	24264

Node: J2

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.0000	0
4.00	0.0100	436
4.50	0.0400	1742
5.00	0.1400	6098
5.50	0.4500	19602
6.00	1.1200	48787
6.50	2.1500	93654
7.00	3.4500	150282
7.50	5.3800	234353
8.00	7.4300	323651
8.50	9.7700	425581
9.00	11.6100	505732
9.50	13.3300	580655
10.00	15.0100	653836
10.50	16.3900	713948
11.00	17.7200	771883
11.50	18.4900	805424
12.00	18.9800	826769
12.50	19.2800	839837
13.00	19.4500	847242
13.50	19.6900	857696
14.00	20.2800	883397
14.50	20.4700	891673
15.00	20.5700	896029
15.50	20.6300	898643
16.00	20.6400	899078
16.50	20.6500	899514
17.00	21.8500	951786
17.50	21.9300	955271
18.00	22.9000	997524
18.50	23.2400	1012334
19.00	23.5500	1025838
19.50	25.0600	1091614
20.00	25.0900	1092920
20.50	25.4200	1107295
21.00	26.1600	1139530
21.50	26.8400	1169150
22.00	27.0900	1180040
22.50	27.0900	1180040
23.00	27.0900	1180040
23.50	27.0900	1180040
24.00	27.4900	1197464

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J2	100y3d	0.00	5.87	0.0005	139.92	139.00	41165
J2	10y1d	0.00	5.63	0.0004	79.62	79.14	27031
J2	25y3d	0.00	5.76	0.0005	110.24	109.43	35038
J2	3Yr1D	0.00	5.47	0.0005	53.49	53.21	18878
J2	5y1d	0.00	5.56	0.0004	66.42	66.04	22814

Node: J3

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0000	0
3.00	0.0100	436
3.50	0.0400	1742
4.00	0.0800	3485
4.50	0.1100	4792
5.00	0.1400	6098
5.50	0.1800	7841
6.00	0.2400	10454
6.50	0.4300	18731
7.00	1.0400	45302
7.50	2.0900	91040
8.00	3.3400	145490
8.50	5.3600	233482
9.00	8.0400	350222
9.50	10.2600	446926
10.00	11.7700	512701
10.50	13.1200	571507
11.00	14.2100	618988
11.50	15.4100	671260
12.00	16.8500	733986
12.50	17.3900	757508
13.00	17.9400	781466
13.50	18.2800	796277
14.00	18.6800	813701
14.50	18.9800	826769
15.00	19.0400	829382
15.50	19.1000	831996
16.00	19.1600	834610
16.50	19.1600	834610

Stage [ft]	Area [ac]	Area [ft2]
17.00	19.1600	834610
17.50	19.1600	834610
18.00	19.3200	841579
18.50	19.3200	841579
19.00	19.4900	848984
19.50	19.7600	860746
20.00	22.3300	972695
20.50	23.7100	1032808
21.00	23.7600	1034986
21.50	23.7600	1034986
22.00	24.9200	1085515
22.50	25.4300	1107731
23.00	25.4700	1109473
23.50	25.4800	1109909
24.00	25.9400	1129946

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J3	100y3d	0.00	5.54	0.0010	163.84	163.74	8076
J3	10y1d	0.00	5.22	0.0010	103.56	103.51	6880
J3	25y3d	0.00	5.40	0.0010	135.26	135.17	7495
J3	3Yr1D	0.00	5.06	0.0010	77.89	77.86	6317
J3	5y1d	0.00	5.14	0.0010	90.79	90.75	6610

Node: K

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.0000	0
4.50	0.0100	436
5.00	0.0300	1307
5.50	0.0600	2614
6.00	0.0800	3485
6.50	0.1200	5227
7.00	0.2100	9148
7.50	0.3900	16988

Stage [ft]	Area [ac]	Area [ft2]
8.00	0.7100	30928
8.50	1.7300	75359
9.00	3.2400	141134
9.50	4.6200	201247
10.00	5.6500	246114
10.50	6.3600	277042
11.00	6.9600	303178
11.50	7.4700	325393
12.00	7.9600	346738
12.50	8.9300	388991
13.00	9.7300	423839
13.50	10.4100	453460
14.00	11.0300	480467
14.50	11.6600	507910
15.00	12.5200	545371
15.50	14.2700	621601
16.00	15.4800	674309
16.50	16.4600	716998
17.00	16.9800	739649
17.50	17.2400	750974
18.00	17.3300	754895
18.50	17.3400	755330
19.00	17.3700	756637
19.50	17.3700	756637
20.00	17.3700	756637
20.50	17.3700	756637
21.00	17.3700	756637
21.50	17.3700	756637
22.00	17.9600	782338
22.50	17.9600	782338
23.00	17.9600	782338
23.50	18.0000	784080
24.00	18.0000	784080
24.50	19.0600	830254
25.00	20.1100	875992
25.50	20.1900	879476
26.00	20.8400	907790

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
K	100y3d	0.00	8.52	0.0010	140.70	139.36	78533
K	10y1d	0.00	8.39	0.0010	79.42	71.89	65297

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
K	25y3d	0.00	8.47	0.0010	110.96	109.19	73070
K	3Yr1D	0.00	8.21	0.0010	53.08	38.73	49677
K	5y1d	0.00	8.32	0.0010	66.09	55.24	59800

Node: L

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0100	436
2.50	0.0900	3920
3.00	1.0800	47045
3.50	6.4900	282704
4.00	14.6300	637283
4.50	26.4800	1153469
5.00	39.2900	1711472
5.50	46.2400	2014214
6.00	48.3700	2106997
6.50	49.1000	2138796
7.00	49.3000	2147508
7.50	49.4100	2152300
8.00	49.4400	2153606
8.50	49.4400	2153606
9.00	49.4500	2154042
9.50	49.4500	2154042
10.00	49.4500	2154042
10.50	49.4500	2154042
11.00	49.4500	2154042
11.50	49.4500	2154042
12.00	49.4500	2154042
12.50	49.4500	2154042
13.00	49.4500	2154042
13.50	49.4500	2154042
14.00	50.0700	2181049
14.50	53.6700	2337865
15.00	61.8200	2692879
15.50	68.5700	2986909
16.00	70.4600	3069238
16.50	71.2400	3103214
17.00	71.3800	3109313

Stage [ft]	Area [ac]	Area [ft2]
17.50	71.3900	3109748

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
L	100y3d	0.00	4.77	0.0010	687.04	353.79	1449426
L	10y1d	0.00	4.25	0.0010	301.27	164.84	892832
L	25y3d	0.00	4.55	0.0010	520.32	251.39	1212679
L	3Yr1D	0.00	3.85	0.0010	184.54	97.97	534372
L	5y1d	0.00	4.07	0.0010	242.17	130.29	714180

Node: M

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	1.5500	67518
3.50	1.5500	67518
4.00	1.5500	67518
4.50	1.5500	67518
5.00	1.5500	67518
5.50	1.5500	67518
6.00	1.5500	67518
6.50	2.3600	102802
7.00	6.3700	277477
7.50	11.3300	493535
8.00	16.9000	736164
8.50	19.7900	862052
9.00	21.7300	946559
9.50	22.8800	996653
10.00	23.6600	1030630
10.50	23.9700	1044133
11.00	24.1000	1049796
11.50	24.1900	1053716
12.00	24.2200	1055023
12.50	24.2200	1055023
13.00	24.2200	1055023
13.50	24.2200	1055023

Stage [ft]	Area [ac]	Area [ft2]
14.00	24.2200	1055023
14.50	24.2200	1055023
15.00	24.2800	1057637
15.50	24.2800	1057637
16.00	24.2800	1057637
16.50	24.2800	1057637
17.00	24.6000	1071576
17.50	26.3000	1145628
18.00	30.0800	1310285
18.50	32.8400	1430510
19.00	33.7800	1471457
19.50	35.0100	1525036
20.00	36.1600	1575130
20.50	36.4000	1585584
21.00	36.4600	1588198

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
M	100y3d	0.00	6.71	0.0066	217.40	204.30	175132
M	10y1d	0.00	6.37	0.0066	91.26	77.36	93693
M	25y3d	0.00	6.57	0.0066	147.70	141.26	127395
M	3Yr1D	0.00	6.08	0.0066	59.03	30.80	73134
M	5y1d	0.00	6.24	0.0066	74.77	51.06	84578

Node: N

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.6800	29621
8.00	0.6800	29621
8.50	0.7000	30492
9.00	2.6000	113256
9.50	4.3700	190357
10.00	7.5600	329314
10.50	11.5300	502247
11.00	13.4500	585882

Stage [ft]	Area [ac]	Area [ft2]
11.50	14.6800	639461
12.00	15.0200	654271
12.50	15.1100	658192
13.00	15.1500	659934
13.50	15.1600	660370
14.00	15.1700	660805
14.50	15.1700	660805
15.00	15.1800	661241
15.50	15.2100	662548
16.00	15.2100	662548
16.50	15.2100	662548
17.00	15.2100	662548
17.50	15.2100	662548
18.00	15.2100	662548
18.50	15.2500	664290
19.00	15.3800	669953
19.50	15.4800	674309
20.00	16.5200	719611
20.50	16.6700	726145
21.00	18.4900	805424
21.50	20.0600	873814
22.00	20.1800	879041
22.50	20.2900	883832
23.00	20.3800	887753

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
N	100y3d	0.00	8.06	0.0509	112.48	102.94	29742
N	10y1d	0.00	6.56	0.0509	55.81	64.68	29631
N	25y3d	0.00	7.58	0.0509	86.07	64.97	29631
N	3Yr1D	0.00	5.83	0.0509	34.68	64.68	29631
N	5y1d	0.00	6.22	0.0509	44.40	64.68	29631

Node: O

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.6800	29621
4.50	0.6800	29621
5.00	0.6800	29621
5.50	0.6800	29621
6.00	0.6800	29621
6.50	0.6800	29621
7.00	0.6800	29621
7.50	0.6800	29621
8.00	0.6800	29621
8.50	0.6800	29621
9.00	1.6400	71438
9.50	3.0400	132422
10.00	4.8800	212573
10.50	6.1700	268765
11.00	7.1300	310583
11.50	7.7400	337154
12.00	8.1100	353272
12.50	8.1900	356756
13.00	8.2100	357628
13.50	8.2100	357628
14.00	8.2100	357628
14.50	8.2800	360677
15.00	8.2800	360677
15.50	8.2800	360677
16.00	8.2800	360677
16.50	8.2800	360677
17.00	8.2800	360677
17.50	8.2800	360677
18.00	8.2800	360677
18.50	8.2800	360677
19.00	8.2800	360677
19.50	8.3800	365033
20.00	9.0100	392476
20.50	10.0800	439085
21.00	10.2900	448232
21.50	10.5200	458251
22.00	10.5200	458251
22.50	10.6900	465656

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
O	100y3d	0.00	7.31	0.0197	89.75	81.21	29623

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
O	10y1d	0.00	6.43	0.0197	38.78	31.63	29623
O	25y3d	0.00	6.99	0.0197	67.91	61.50	29623
O	3Yr1D	0.00	5.83	0.0197	21.82	22.22	29623
O	5y1d	0.00	6.17	0.0197	28.54	22.22	29623

Node: Outfall North

Scenario: PipesSLR
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.80
0	0	0	12.0000	2.80
0	0	0	24.0000	0.80
0	0	0	36.0000	2.80
0	0	0	48.0000	0.80
0	0	0	60.0000	2.80
0	0	0	72.0000	0.80
0	0	0	84.0000	2.80
0	0	0	96.0000	0.80

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Outfall North	100y3d	0.00	2.80	0.0003	1179.69	3.42	0
Outfall North	10y1d	0.00	2.80	0.0010	600.91	0.38	0
Outfall North	25y3d	0.00	2.80	0.0007	888.00	3.80	0
Outfall North	3Yr1D	0.00	2.80	0.0011	373.46	0.38	0
Outfall North	5y1d	0.00	2.80	0.0010	481.86	0.38	0

Node: Outfall South

Scenario: PipesSLR
Type: Time/Stage

Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.80
0	0	0	12.0000	2.80
0	0	0	24.0000	0.80
0	0	0	36.0000	2.80
0	0	0	48.0000	0.80
0	0	0	60.0000	2.80
0	0	0	72.0000	0.80
0	0	0	84.0000	2.80
0	0	0	96.0000	0.80

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Outfall South	100y3d	0.00	2.80	0.0003	1025.48	0.00	0
Outfall South	10y1d	0.00	2.80	0.0010	494.42	0.00	0
Outfall South	25y3d	0.00	2.80	0.0007	760.83	0.00	0
Outfall South	3Yr1D	0.00	2.80	0.0011	320.76	0.00	0
Outfall South	5y1d	0.00	2.80	0.0010	402.47	0.00	0

Node: P1

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0100	436
2.50	0.0200	871
3.00	0.0800	3485
3.50	0.3700	16117
4.00	1.7000	74052
4.50	3.6100	157252
5.00	6.0600	263974
5.50	8.5000	370260

Stage [ft]	Area [ac]	Area [ft2]
6.00	9.7800	426017
6.50	10.3400	450410
7.00	10.7200	466963
7.50	11.1100	483952
8.00	11.5800	504425
8.50	11.9000	518364
9.00	11.9600	520978
9.50	11.9600	520978
10.00	11.9600	520978
10.50	11.9600	520978
11.00	11.9600	520978
11.50	11.9600	520978
12.00	11.9600	520978
12.50	11.9600	520978
13.00	11.9600	520978
13.50	11.9600	520978
14.00	11.9600	520978
14.50	12.0600	525334
15.00	13.0200	567151
15.50	14.4200	628135
16.00	15.0400	655142
16.50	15.6400	681278
17.00	15.7000	683892
17.50	16.0400	698702
18.00	16.3800	713513
18.50	16.6300	724403
19.00	16.6400	724838

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P1	100y3d	0.00	4.76	0.0010	131.70	76.72	212211
P1	10y1d	0.00	4.24	0.0010	71.14	57.53	113207
P1	25y3d	0.00	4.55	0.0010	100.76	73.31	167041
P1	3Yr1D	0.00	3.83	0.0010	45.78	36.86	54858
P1	5y1d	0.00	4.06	0.0010	58.31	47.01	83373

Node: P2

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.0700	3049
3.50	0.1300	5663
4.00	0.2200	9583
4.50	0.4100	17860
5.00	1.0900	47480
5.50	1.6400	71438
6.00	2.0300	88427
6.50	2.3300	101495
7.00	2.4700	107593
7.50	2.6400	114998
8.00	2.8500	124146
8.50	2.9800	129809
9.00	2.9900	130244
9.50	3.0000	130680
10.00	3.0000	130680
10.50	3.0000	130680
11.00	3.0000	130680
11.50	3.0000	130680
12.00	3.0000	130680
12.50	3.0000	130680
13.00	3.0000	130680
13.50	3.0000	130680
14.00	3.0000	130680
14.50	3.0000	130680
15.00	3.0300	131987
15.50	3.2100	139828
16.00	3.5900	156380
16.50	3.7500	163350
17.00	3.7500	163350
17.50	3.7500	163350
18.00	3.9200	170755
18.50	4.0700	177289
19.00	4.1400	180338

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P2	100y3d	0.00	5.21	0.0010	31.77	21.56	57765

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P2	10y1d	0.00	4.97	0.0010	17.40	5.10	45849
P2	25y3d	0.00	5.13	0.0010	24.97	12.67	53638
P2	3Yr1D	0.00	4.56	0.0010	11.07	4.11	21415
P2	5y1d	0.00	4.80	0.0010	14.20	4.39	35500

Node: P3

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.1300	5663
3.50	0.3000	13068
4.00	0.6600	28750
4.50	1.3100	57064
5.00	2.3600	102802
5.50	3.3800	147233
6.00	4.4400	193406
6.50	5.3700	233917
7.00	6.5500	285318
7.50	7.6000	331056
8.00	7.7500	337590
8.50	7.7500	337590
9.00	7.7500	337590
9.50	7.7500	337590
10.00	7.7500	337590
10.50	7.7500	337590
11.00	7.7500	337590
11.50	7.7500	337590
12.00	7.7500	337590
12.50	7.7500	337590
13.00	7.7500	337590
13.50	7.7500	337590
14.00	7.8400	341510
14.50	7.9500	346302
15.00	8.9500	389862
15.50	9.4100	409900
16.00	9.8700	429937
16.50	10.0900	439520
17.00	10.6900	465656

Stage [ft]	Area [ac]	Area [ft2]
17.50	11.2800	491357
18.00	11.3700	495277

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P3	100y3d	0.00	4.05	0.0014	172.75	171.32	31472
P3	10y1d	0.00	3.77	0.0011	98.49	97.74	21458
P3	25y3d	0.00	3.92	0.0012	135.94	135.02	26174
P3	3Yr1D	0.00	3.61	0.0013	65.81	65.23	16652
P3	5y1d	0.00	3.70	0.0013	82.48	81.78	19213

Node: P4

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0100	436
2.00	0.0500	2178
2.50	0.3400	14810
3.00	1.3100	57064
3.50	3.1500	137214
4.00	5.3700	233917
4.50	7.3400	319730
5.00	8.3200	362419
5.50	8.7500	381150
6.00	9.0500	394218
6.50	9.2100	401188
7.00	9.3600	407722
7.50	9.4400	411206
8.00	9.4500	411642
8.50	9.4500	411642
9.00	9.4500	411642
9.50	9.4500	411642
10.00	9.4500	411642
10.50	9.4500	411642

Stage [ft]	Area [ac]	Area [ft2]
11.00	9.4500	411642
11.50	9.4500	411642
12.00	9.4500	411642
12.50	9.4500	411642
13.00	9.4500	411642
13.50	9.4500	411642
14.00	10.2400	446054
14.50	11.5200	501811
15.00	12.5500	546678
15.50	12.8700	560617
16.00	13.2100	575428
16.50	13.3500	581526
17.00	13.4600	586318
17.50	13.5300	589367

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P4	100y3d	0.00	4.29	0.0010	150.57	58.60	283622
P4	10y1d	0.00	3.87	0.0006	68.84	27.68	209488
P4	25y3d	0.00	4.13	0.0009	109.50	37.53	256970
P4	3Yr1D	0.00	3.49	0.0004	39.42	16.91	135869
P4	5y1d	0.00	3.70	0.0004	53.86	21.42	175786

Node: Q

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.0000	0
4.00	0.0100	436
4.50	0.0100	436
5.00	0.0400	1742
5.50	0.1100	4792
6.00	0.3500	15246
6.50	1.0900	47480
7.00	2.6300	114563
7.50	4.0200	175111

Stage [ft]	Area [ac]	Area [ft2]
8.00	5.2800	229997
8.50	6.4300	280091
9.00	7.0900	308840
9.50	7.2500	315810
10.00	7.2800	317117
10.50	7.2900	317552
11.00	7.2900	317552
11.50	7.2900	317552
12.00	7.2900	317552
12.50	7.2900	317552
13.00	7.2900	317552
13.50	7.2900	317552
14.00	7.2900	317552
14.50	7.2900	317552
15.00	7.2900	317552
15.50	7.2900	317552
16.00	7.2900	317552
16.50	7.4500	324522
17.00	7.8200	340639
17.50	8.6600	377230
18.00	9.2600	403366
18.50	10.5100	457816
19.00	11.2100	488308
19.50	11.2800	491357
20.00	11.8600	516622

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Q	100y3d	0.00	6.42	0.0014	133.76	124.93	42428
Q	10y1d	0.00	5.21	0.0010	49.83	48.66	3062
Q	25y3d	0.00	6.01	0.0012	87.35	83.98	15744
Q	3Yr1D	0.00	4.27	0.0013	32.77	32.70	447
Q	5y1d	0.00	4.72	0.0012	41.18	40.95	1022

Node: R

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0100	436
3.00	0.0800	3485
3.50	0.5200	22651
4.00	1.5600	67954
4.50	2.6700	116305
5.00	3.5500	154638
5.50	4.2700	186001
6.00	4.7200	205603
6.50	5.2000	226512
7.00	5.6600	246550
7.50	6.0700	264409
8.00	6.3400	276170
8.50	6.7500	294030
9.00	7.0300	306227
9.50	7.1100	309712
10.00	7.1700	312325
10.50	7.2900	317552
11.00	7.3500	320166
11.50	7.3500	320166
12.00	7.3500	320166
12.50	7.3500	320166
13.00	7.3500	320166
13.50	7.3500	320166
14.00	7.3500	320166
14.50	7.3800	321473
15.00	7.8500	341946
15.50	8.1800	356321
16.00	8.3200	362419
16.50	8.5900	374180
17.00	8.9600	390298
17.50	9.1100	396832
18.00	9.7200	423403
18.50	10.1500	442134
19.00	10.1500	442134
19.50	10.1500	442134
20.00	10.2100	444748
20.50	10.5600	459994
21.00	10.5600	459994
21.50	10.5600	459994

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
R	100y3d	0.00	4.30	0.0131	82.39	70.52	97053
R	10y1d	0.00	4.04	0.0131	49.11	35.46	72143
R	25y3d	0.00	4.20	0.0131	65.33	51.60	87593
R	3Yr1D	0.00	3.85	0.0131	33.29	23.40	54025
R	5y1d	0.00	3.95	0.0131	41.13	29.30	63768

Node: S

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.50	0.5100	22216
5.50	0.5100	22216
6.00	0.5100	22216
6.50	0.5100	22216
7.00	0.5100	22216
7.50	1.4400	62726
8.00	2.3700	103237
8.50	4.0900	178160
9.00	7.3600	320602
9.50	10.5200	458251
10.00	13.8300	602435
10.50	16.1400	703058
11.00	17.4500	760122
11.50	18.0300	785387
12.00	18.1700	791485
12.50	18.1900	792356
13.00	18.2100	793228
13.50	18.2200	793663
14.00	18.2200	793663
14.50	18.2300	794099
15.00	18.2300	794099
15.50	18.2300	794099
16.00	18.2400	794534
16.50	18.2700	795841
17.00	18.2700	795841
17.50	18.3100	797584
18.00	18.4500	803682
18.50	18.6500	812394
19.00	18.9800	826769
19.50	19.3700	843757

Stage [ft]	Area [ac]	Area [ft2]
20.00	20.3100	884704
20.50	22.3400	973130
21.00	23.7300	1033679
21.50	24.1200	1050667

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
S	100y3d	0.00	7.28	0.0977	142.57	139.22	45233
S	10y1d	0.00	6.78	0.0977	77.92	123.64	22228
S	25y3d	0.00	7.13	0.0977	111.98	123.64	32593
S	3Yr1D	0.00	6.34	0.0977	60.00	123.64	22228
S	5y1d	0.00	6.56	0.0977	65.87	123.64	22228

Node: T

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.50	0.5100	22216
5.00	0.5100	22216
5.50	0.5100	22216
6.00	0.5100	22216
6.50	0.5100	22216
7.00	0.5100	22216
7.50	0.5100	22216
8.00	0.5100	22216
8.50	0.6200	27007
9.00	1.4200	61855
9.50	3.0700	133729
10.00	5.2000	226512
10.50	6.7000	291852
11.00	7.3400	319730
11.50	7.7200	336283
12.00	7.9500	346302
12.50	8.0500	350658
13.00	8.0700	351529
13.50	8.0700	351529

Stage [ft]	Area [ac]	Area [ft2]
14.00	8.0700	351529
14.50	8.0700	351529
15.00	8.0700	351529
15.50	8.0700	351529
16.00	8.0700	351529
16.50	8.0700	351529
17.00	8.0700	351529
17.50	8.0700	351529
18.00	8.0700	351529
18.50	8.1000	352836
19.00	8.1000	352836
19.50	9.3100	405544
20.00	10.0300	436907
20.50	10.7500	468270
21.00	11.2500	490050
21.50	11.5900	504860
22.00	11.8100	514444

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
T	100y3d	0.00	6.77	0.0420	113.17	111.79	22220
T	10y1d	0.00	6.45	0.0420	80.56	79.01	22220
T	25y3d	0.00	6.66	0.0420	101.85	100.06	22220
T	3Yr1D	0.00	6.16	0.0420	54.19	52.49	22220
T	5y1d	0.00	6.32	0.0420	67.75	66.14	22220

Node: U1

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0400	1742
3.00	0.2800	12197
3.50	0.8000	34848
4.00	1.7100	74488
4.50	2.7600	120226

Stage [ft]	Area [ac]	Area [ft2]
5.00	3.2500	141570
5.50	3.4000	148104
6.00	3.4500	150282
6.50	3.5100	152896
7.00	3.5200	153331
7.50	3.5200	153331
8.00	3.5200	153331
8.50	3.5200	153331
9.00	3.5200	153331
9.50	3.5200	153331
10.00	3.5200	153331
10.50	3.5200	153331
11.00	3.5200	153331
11.50	3.5200	153331
12.00	3.5200	153331
12.50	3.5200	153331
13.00	3.5200	153331
13.50	3.5200	153331
14.00	3.6700	159865
14.50	4.2500	185130
15.00	4.6600	202990
15.50	5.0800	221285
16.00	5.1900	226076
16.50	5.1900	226076
17.00	5.1900	226076
17.50	5.1900	226076
18.00	5.1900	226076
18.50	5.1900	226076
19.00	5.1900	226076
19.50	5.1900	226076
20.00	5.1900	226076
20.50	5.1900	226076

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U1	100y3d	0.00	4.33	0.0047	51.57	30.18	104490
U1	10y1d	0.00	4.00	0.0047	25.84	13.28	74181
U1	25y3d	0.00	4.20	0.0047	40.25	18.97	92527
U1	3Yr1D	0.00	3.74	0.0047	15.05	6.86	53986
U1	5y1d	0.00	3.87	0.0047	19.81	9.12	64254

Node: U2

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0100	436
2.00	0.0300	1307
2.50	0.0500	2178
3.00	0.3100	13504
3.50	1.2900	56192
4.00	2.8800	125453
4.50	4.8200	209959
5.00	6.2900	273992
5.50	6.7700	294901
6.00	7.0400	306662
6.50	7.1900	313196
7.00	7.3200	318859
7.50	7.4800	325829
8.00	7.7300	336719
8.50	7.9900	348044
9.00	8.6000	374616
9.50	9.3000	405108
10.00	9.9200	432115
10.50	10.0900	439520
11.00	10.1100	440392
11.50	10.1100	440392
12.00	10.1100	440392
12.50	10.1100	440392
13.00	10.1100	440392
13.50	10.1100	440392
14.00	10.3000	448668
14.50	11.0000	479160
15.00	12.3200	536659
15.50	12.7500	555390
16.00	12.8600	560182
16.50	12.8600	560182
17.00	12.9600	564538
17.50	13.0700	569329
18.00	13.0700	569329
18.50	13.3800	582833
19.00	13.3800	582833
19.50	13.3800	582833
20.00	13.5800	591545
20.50	13.7400	598514

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U2	100y3d	0.00	4.27	0.0010	92.65	61.86	171417
U2	10y1d	0.00	4.01	0.0010	50.85	25.87	126687
U2	25y3d	0.00	4.17	0.0010	73.08	42.87	153815
U2	3Yr1D	0.00	3.69	0.0010	32.78	18.25	82201
U2	5y1d	0.00	3.87	0.0010	41.72	20.46	108084

Node: U3

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0100	436
3.00	0.0300	1307
3.50	0.2600	11326
4.00	0.8100	35284
4.50	1.3400	58370
5.00	1.7800	77537
5.50	2.0500	89298
6.00	2.2000	95832
6.50	2.3400	101930
7.00	2.5700	111949
7.50	2.7500	119790
8.00	2.9200	127195
8.50	3.3000	143748
9.00	3.8500	167706
9.50	4.3100	187744
10.00	4.5400	197762
10.50	4.5800	199505
11.00	4.5900	199940
11.50	4.5900	199940
12.00	4.5900	199940

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U3	100y3d	0.00	4.33	0.0172	51.98	35.87	50664
U3	10y1d	0.00	3.98	0.0172	29.73	22.52	34228
U3	25y3d	0.00	4.19	0.0172	41.53	30.22	44248
U3	3Yr1D	0.00	3.60	0.0172	20.11	20.09	16316
U3	5y1d	0.00	3.82	0.0172	24.82	20.09	26521

Node: V

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0000	0
5.50	0.0100	436
6.00	0.0800	3485
6.50	0.2400	10454
7.00	0.3300	14375
7.50	0.4700	20473
8.00	0.6400	27878
8.50	1.2400	54014
9.00	2.1200	92347
9.50	3.1300	136343
10.00	4.0100	174676
10.50	4.6800	203861
11.00	5.2000	226512
11.50	5.4600	237838
12.00	5.6300	245243
12.50	5.7700	251341
13.00	5.8400	254390
13.50	5.9200	257875
14.00	5.9900	260924
14.50	6.0600	263974
15.00	6.0800	264845
15.50	6.0900	265280
16.00	6.0900	265280
16.50	6.0900	265280
17.00	6.0900	265280
17.50	6.0900	265280
18.00	6.0900	265280
18.50	6.0900	265280
19.00	6.0900	265280
19.50	6.0900	265280

Stage [ft]	Area [ac]	Area [ft2]
20.00	6.1400	267458
20.50	6.3900	278348
21.00	6.9000	300564
21.50	6.9000	300564
22.00	6.9000	300564
22.50	6.9000	300564
23.00	6.9000	300564
23.50	6.9000	300564
24.00	6.9000	300564
24.50	6.9100	301000

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
V	100y3d	0.00	6.80	0.1013	115.89	93.22	12799
V	10y1d	0.00	6.55	0.1013	115.89	52.15	10867
V	25y3d	0.00	6.71	0.1013	115.89	78.80	12075
V	3Yr1D	0.00	6.32	0.1013	115.89	22.41	7963
V	5y1d	0.00	6.46	0.1013	115.89	37.97	9895

Node: W

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0000	0
3.00	0.0100	436
3.50	0.0600	2614
4.00	0.5900	25700
4.50	1.5800	68825
5.00	2.7600	120226
5.50	3.5100	152896
6.00	3.7900	165092
6.50	3.9700	172933
7.00	4.1400	180338
7.50	4.4300	192971
8.00	4.7300	206039
8.50	5.1400	223898

Stage [ft]	Area [ac]	Area [ft2]
9.00	5.4800	238709
9.50	5.8600	255262
10.00	5.9600	259618
10.50	6.0000	261360
11.00	6.0200	262231
11.50	6.0400	263102
12.00	6.0600	263974
12.50	6.0600	263974
13.00	6.0600	263974
13.50	6.0600	263974
14.00	6.0600	263974
14.50	6.0600	263974
15.00	6.1500	267894
15.50	6.3100	274864
16.00	6.3100	274864
16.50	6.3100	274864
17.00	6.3100	274864
17.50	6.4000	278784
18.00	6.4100	279220
18.50	6.4600	281398
19.00	6.5700	286189
19.50	6.5700	286189
20.00	6.5900	287060
20.50	6.6500	289674

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W	100y3d	0.00	4.76	0.0158	136.89	108.87	95863
W	10y1d	0.00	4.24	0.0158	74.52	71.38	46674
W	25y3d	0.00	4.55	0.0158	104.24	93.98	74055
W	3Yr1D	0.00	3.85	0.0158	46.57	47.39	18682
W	5y1d	0.00	4.07	0.0158	60.04	58.47	31509

Node: W1

Scenario: PipesSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.1000	4356
20.00	0.2000	8712

Comment:

Node Max Conditions [PipesSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W1	100y3d	0.00	7.28	0.0024	105.21	34.36	5979
W1	10y1d	0.00	6.25	0.0024	105.21	28.69	5754
W1	25y3d	0.00	6.98	0.0024	105.21	31.86	5914
W1	3Yr1D	0.00	5.61	0.0024	105.21	26.86	5615
W1	5y1d	0.00	5.95	0.0024	105.21	27.68	5690

Node: A

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0300	1307
2.00	0.3200	13939
2.50	1.3700	59677
3.00	3.1500	137214
3.50	6.7400	293594
4.00	11.1100	483952
4.50	15.5700	678229
5.00	19.2000	836352
5.50	22.1800	966161
6.00	23.7100	1032808
6.50	24.2300	1055459
7.00	24.3100	1058944
7.50	24.3100	1058944
8.00	24.3100	1058944
8.50	24.3100	1058944
9.00	24.3100	1058944
9.50	24.3100	1058944
10.00	24.3100	1058944
10.50	24.3100	1058944
11.00	24.3100	1058944

Stage [ft]	Area [ac]	Area [ft2]
11.50	24.3100	1058944
12.00	24.3100	1058944
12.50	24.3100	1058944
13.00	24.3100	1058944
13.50	25.2900	1101632
14.00	26.2300	1142579
14.50	28.4600	1239718
15.00	30.7500	1339470
15.50	32.5700	1418749
16.00	33.5800	1462745
16.50	34.0900	1484960

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
A	100y3d	0.00	3.33	0.0195	200.98	166.41	241141
A	10y1d	0.00	2.98	0.0189	108.92	82.25	134175
A	25y3d	0.00	3.20	0.0192	158.43	126.06	200966
A	3Yr1D	0.00	2.49	0.0193	69.84	55.68	58367
A	5y1d	0.00	2.80	0.0191	89.18	66.16	106471

Node: B

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.64 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0100	436
2.00	0.0700	3049
2.50	0.3400	14810
3.00	0.8400	36590
3.50	1.5700	68389
4.00	2.2600	98446
4.50	2.5700	111949
5.00	2.6600	115870
5.50	2.6600	115870
6.00	2.6600	115870
6.50	2.6600	115870

Stage [ft]	Area [ac]	Area [ft2]
7.00	2.6600	115870
7.50	2.6600	115870
8.00	2.6600	115870
8.50	2.6600	115870
9.00	2.6600	115870
9.50	2.6600	115870
10.00	2.6600	115870
10.50	2.6600	115870
11.00	2.6600	115870
11.50	2.6600	115870
12.00	2.6600	115870
12.50	2.6600	115870
13.00	2.7300	118919
13.50	3.0100	131116
14.00	3.4800	151589
14.50	3.7300	162479
15.00	3.8200	166399

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
B	100y3d	0.64	3.46	0.0035	30.18	15.09	65575
B	10y1d	0.64	3.17	0.0035	17.99	7.18	47631
B	25y3d	0.64	3.33	0.0035	24.03	10.20	57855
B	3Yr1D	0.64	2.92	0.0035	11.93	4.39	33156
B	5y1d	0.64	3.06	0.0035	14.95	5.75	40613

Node: C

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.1400	6098
2.00	1.2300	53579
2.50	2.8100	122404
3.00	4.3900	191228

Stage [ft]	Area [ac]	Area [ft2]
3.50	6.3300	275735
4.00	9.7500	424710
4.50	13.1000	570636
5.00	14.2600	621166
5.50	14.6600	638590
6.00	14.9600	651658
6.50	15.2600	664726
7.00	15.4800	674309
7.50	15.7300	685199
8.00	16.0600	699574
8.50	16.1900	705236
9.00	16.2000	705672
9.50	16.2000	705672
10.00	16.2000	705672
10.50	16.2000	705672
11.00	16.2000	705672
11.50	16.2000	705672
12.00	16.2000	705672
12.50	16.2000	705672
13.00	16.2500	707850
13.50	16.3300	711335
14.00	17.0000	740520
14.50	21.3700	930877
15.00	22.7700	991861
15.50	22.9200	998395
16.00	23.3700	1017997
16.50	23.4300	1020611
17.00	23.4300	1020611
17.50	23.7200	1033243
18.00	23.8000	1036728

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
C	100y3d	0.00	2.05	0.0177	147.61	146.76	60994
C	10y1d	0.00	1.91	0.0177	82.27	81.49	45471
C	25y3d	0.00	2.00	0.0177	116.84	116.14	53191
C	3Yr1D	0.00	1.82	0.0177	53.45	52.79	36755
C	5y1d	0.00	1.87	0.0177	67.74	67.02	41527

Node: D

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0100	436
2.00	0.0300	1307
2.50	0.0900	3920
3.00	0.2100	9148
3.50	0.5400	23522
4.00	1.2200	53143
4.50	1.7000	74052
5.00	2.2100	96268
5.50	2.6900	117176
6.00	3.0800	134165
6.50	3.6500	158994
7.00	4.4800	195149
7.50	5.1200	223027
8.00	5.4800	238709
8.50	5.6900	247856
9.00	5.7500	250470
9.50	5.7700	251341
10.00	5.7700	251341
10.50	5.7700	251341
11.00	5.7700	251341
11.50	5.7700	251341
12.00	5.7700	251341
12.50	5.7700	251341
13.00	5.7700	251341
13.50	5.7700	251341
14.00	5.7700	251341
14.50	5.7700	251341
15.00	5.7700	251341
15.50	7.7200	336283
16.00	7.7200	336283
16.50	10.1700	443005

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
D	100y3d	0.00	2.85	0.0024	80.11	79.93	7539

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
D	10y1d	0.00	2.64	0.0024	48.01	47.89	5412
D	25y3d	0.00	2.75	0.0024	63.64	63.51	6517
D	3Yr1D	0.00	2.51	0.0024	32.46	32.38	4079
D	5y1d	0.00	2.58	0.0024	40.17	40.08	4780

Node: E1

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0200	871
2.00	0.0500	2178
2.50	0.1700	7405
3.00	0.4400	19166
3.50	1.2500	54450
4.00	3.2100	139828
4.50	5.8500	254826
5.00	9.1600	399010
5.50	12.6900	552776
6.00	15.8000	688248
6.50	18.6700	813265
7.00	20.8100	906484
7.50	21.9200	954835
8.00	22.7200	989683
8.50	23.4300	1020611
9.00	24.0000	1045440
9.50	24.3500	1060686
10.00	24.5700	1070269
10.50	24.7600	1078546
11.00	24.9100	1085080
11.50	25.0700	1092049
12.00	25.2600	1100326
12.50	25.4400	1108166
13.00	25.5600	1113394
13.50	25.6400	1116878
14.00	25.6800	1118621
14.50	25.9000	1128204
15.00	27.0500	1178298
15.50	29.3200	1277179

Stage [ft]	Area [ac]	Area [ft2]
16.00	31.8400	1386950
16.50	33.3800	1454033
17.00	34.6100	1507612
17.50	35.0900	1528520
18.00	35.6100	1551172
18.50	35.8800	1562933
19.00	36.2200	1577743
19.50	36.2800	1580357
20.00	36.4800	1589069
20.50	36.5900	1593860
21.00	36.5900	1593860
21.50	36.5900	1593860
22.00	36.6500	1596474
22.50	36.8000	1603008
23.00	36.8600	1605622
23.50	36.9100	1607800

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E1	100y3d	0.00	4.25	0.0010	275.86	235.78	197277
E1	10y1d	0.00	3.70	0.0010	148.85	115.99	88957
E1	25y3d	0.00	4.04	0.0010	209.11	178.31	150154
E1	3Yr1D	0.00	3.11	0.0010	108.29	96.68	26992
E1	5y1d	0.00	3.48	0.0010	130.06	106.66	53025

Node: E2

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0200	871
2.00	0.0400	1742
2.50	0.1100	4792
3.00	0.2500	10890
3.50	0.4800	20909

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.8600	37462
4.50	1.5500	67518
5.00	2.3600	102802
5.50	3.1200	135907
6.00	3.8300	166835
6.50	4.3300	188615
7.00	4.5200	196891
7.50	4.5900	199940
8.00	4.6400	202118
8.50	4.6700	203425
9.00	4.6800	203861
9.50	4.6800	203861
10.00	4.6800	203861
10.50	4.6800	203861
11.00	4.6800	203861
11.50	4.6800	203861
12.00	4.6800	203861
12.50	4.6800	203861
13.00	4.6800	203861
13.50	4.6800	203861
14.00	4.6800	203861
14.50	4.6800	203861
15.00	4.9500	215622
15.50	5.2600	229126
16.00	5.8100	253084
16.50	6.9900	304484
17.00	7.0700	307969
17.50	7.1800	312761
18.00	7.2200	314503
18.50	7.2700	316681

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E2	100y3d	0.00	4.45	0.0030	51.01	41.35	64451
E2	10y1d	0.00	4.19	0.0030	26.88	11.83	48624
E2	25y3d	0.00	4.36	0.0030	39.93	26.18	59129
E2	3Yr1D	0.00	3.61	0.0030	16.97	8.22	24712
E2	5y1d	0.00	3.96	0.0030	21.85	8.76	36237

Node: E3

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0100	436
2.50	0.1300	5663
3.00	0.7200	31363
3.50	1.7600	76666
4.00	2.8300	123275
4.50	4.1700	181645
5.00	5.2300	227819
5.50	5.8000	252648
6.00	6.1200	266587
6.50	6.6200	288367
7.00	7.1900	313196
7.50	8.0000	348480
8.00	8.5700	373309
8.50	8.8100	383764
9.00	8.8600	385942
9.50	8.8600	385942
10.00	8.8600	385942
10.50	8.8600	385942
11.00	8.8600	385942
11.50	8.8600	385942
12.00	8.8600	385942
12.50	8.8600	385942
13.00	8.8600	385942
13.50	8.8600	385942
14.00	9.1000	396396
14.50	9.8200	427759
15.00	10.7700	469141
15.50	11.4700	499633
16.00	11.4700	499633
16.50	11.6400	507038
17.00	11.7100	510088
17.50	12.0500	524898
18.00	12.5500	546678
18.50	12.7600	555826

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E3	100y3d	0.00	4.71	0.0217	257.79	215.74	201248
E3	10y1d	0.00	4.28	0.0216	161.70	124.81	156321
E3	25y3d	0.00	4.54	0.0219	221.75	169.16	185538
E3	3Yr1D	0.00	3.90	0.0216	111.96	87.86	114327
E3	5y1d	0.00	4.12	0.0216	136.67	106.61	137337

Node: F

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.0800	3485
3.50	0.2600	11326
4.00	0.5500	23958
4.50	1.0700	46609
5.00	1.3700	59677
5.50	1.8400	80150
6.00	2.8700	125017
6.50	4.6300	201683
7.00	6.7700	294901
7.50	8.6800	378101
8.00	10.2200	445183
8.50	11.1800	487001
9.00	11.5400	502682
9.50	11.5800	504425
10.00	11.5900	504860
10.50	11.5900	504860
11.00	11.5900	504860
11.50	11.6000	505296
12.00	11.6000	505296
12.50	11.6000	505296
13.00	11.6000	505296
13.50	11.6000	505296
14.00	11.6000	505296
14.50	11.6000	505296
15.00	11.6000	505296
15.50	11.6000	505296
16.00	12.5200	545371
16.50	12.5200	545371

Stage [ft]	Area [ac]	Area [ft2]
17.00	12.5600	547114
17.50	12.5600	547114
18.00	13.2400	576734
18.50	13.9500	607662
19.00	14.2700	621601
19.50	14.3300	624215

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
F	100y3d	0.00	4.13	0.0081	202.33	201.56	29761
F	10y1d	0.00	3.71	0.0081	80.91	80.99	16557
F	25y3d	0.00	3.97	0.0081	147.36	146.87	23177
F	3Yr1D	0.00	3.42	0.0081	52.88	53.00	10165
F	5y1d	0.00	3.58	0.0081	66.57	66.58	13285

Node: G

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0200	871
2.00	0.0300	1307
2.50	0.0500	2178
3.00	0.0800	3485
3.50	0.1500	6534
4.00	0.4400	19166
4.50	1.2100	52708
5.00	2.1200	92347
5.50	2.8400	123710
6.00	3.4200	148975
6.50	4.0000	174240
7.00	4.5400	197762
7.50	5.0100	218236
8.00	5.4000	235224
8.50	5.4800	238709
9.00	5.4800	238709

Stage [ft]	Area [ac]	Area [ft2]
9.50	5.4800	238709
10.00	5.4800	238709
10.50	5.4800	238709
11.00	5.4800	238709
11.50	5.4800	238709
12.00	5.4800	238709
12.50	5.4800	238709
13.00	5.4800	238709
13.50	5.4800	238709
14.00	5.4800	238709
14.50	5.4800	238709
15.00	5.4800	238709
15.50	6.3900	278348
16.00	6.5600	285754
16.50	7.6300	332363
17.00	7.6900	334976
17.50	8.0100	348916

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
G	100y3d	0.00	4.74	0.0063	110.12	94.37	72105
G	10y1d	0.00	4.32	0.0064	59.54	58.65	40790
G	25y3d	0.00	4.57	0.0063	87.64	74.77	58514
G	3Yr1D	0.00	4.17	0.0063	38.97	38.40	30898
G	5y1d	0.00	4.22	0.0064	49.16	48.45	34240

Node: H

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0000	0
3.50	0.0800	3485
4.00	0.4500	19602
4.50	0.9200	40075
5.00	1.4700	64033
5.50	2.3900	104108

Stage [ft]	Area [ac]	Area [ft2]
6.00	3.4700	151153
6.50	4.6600	202990
7.00	5.4800	238709
7.50	6.0800	264845
8.00	6.1800	269201
8.50	6.1900	269636
9.00	6.1900	269636
9.50	6.1900	269636
10.00	6.1900	269636
10.50	6.1900	269636
11.00	6.1900	269636
11.50	6.1900	269636
12.00	6.1900	269636
12.50	6.1900	269636
13.00	6.1900	269636
13.50	6.1900	269636
14.00	6.1900	269636
14.50	6.1900	269636
15.00	6.1900	269636
15.50	6.6200	288367
16.00	7.4000	322344
16.50	7.4000	322344
17.00	7.4000	322344
17.50	8.1900	356756

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
H	100y3d	0.00	4.83	0.0003	213.50	205.85	56019
H	10y1d	0.00	4.54	0.0002	130.53	129.78	42081
H	25y3d	0.00	4.69	0.0002	174.33	170.47	49026
H	3Yr1D	0.00	4.42	0.0002	95.48	94.94	36741
H	5y1d	0.00	4.48	0.0002	113.05	112.39	39401

Node: I

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0400	1742
2.00	0.0600	2614
2.50	0.0900	3920
3.00	0.2600	11326
3.50	0.4600	20038
4.00	0.8000	34848
4.50	1.4900	64904
5.00	2.1700	94525
5.50	2.6600	115870
6.00	3.1300	136343
6.50	3.5500	154638
7.00	3.8400	167270
7.50	4.0100	174676
8.00	4.1500	180774
8.50	4.3000	187308
9.00	4.3400	189050
9.50	4.3400	189050
10.00	4.3400	189050
10.50	4.3400	189050
11.00	4.3400	189050
11.50	4.3400	189050
12.00	4.3400	189050
12.50	4.3400	189050
13.00	4.3400	189050
13.50	4.3400	189050
14.00	4.3400	189050
14.50	4.4100	192100
15.00	4.5300	197327
15.50	5.4700	238273
16.00	5.4700	238273
16.50	5.4700	238273
17.00	5.5700	242629
17.50	5.9200	257875
18.00	5.9200	257875
18.50	6.3400	276170

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
I	100y3d	0.00	3.90	0.0004	212.90	212.67	31850
I	10y1d	0.00	3.69	0.0004	115.68	115.59	25583

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
I	25y3d	0.00	3.80	0.0004	165.74	165.61	29039
I	3Yr1D	0.00	3.55	0.0004	68.62	68.55	21418
I	5y1d	0.00	3.63	0.0004	93.07	92.99	23743

Node: J1

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.0000	0
6.50	0.0100	436
7.00	0.2400	10454
7.50	1.1400	49658
8.00	2.0800	90605
8.50	2.7700	120661
9.00	3.2200	140263
9.50	3.5400	154202
10.00	3.8600	168142
10.50	4.0700	177289
11.00	4.3400	189050
11.50	4.8100	209524
12.00	5.3500	233046
12.50	6.0000	261360
13.00	6.4900	282704
13.50	6.7100	292288
14.00	6.9000	300564
14.50	6.9900	304484
15.00	7.0200	305791
15.50	7.0400	306662
16.00	7.0600	307534
16.50	7.0800	308405
17.00	7.0900	308840
17.50	7.1600	311890
18.00	7.3000	317988
18.50	7.4600	324958
19.00	7.4600	324958
19.50	7.4600	324958
20.00	7.5000	326700
20.50	7.5000	326700
21.00	7.5500	328878
21.50	7.8400	341510

Stage [ft]	Area [ac]	Area [ft2]
22.00	8.4400	367646
22.50	8.4400	367646
23.00	8.4400	367646
23.50	8.4800	369389
24.00	8.6300	375923

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J1	100y3d	0.00	7.33	0.0010	65.02	64.41	36393
J1	10y1d	0.00	7.21	0.0009	35.39	34.58	27073
J1	25y3d	0.00	7.28	0.0010	50.95	50.42	32634
J1	3Yr1D	0.00	7.14	0.0010	22.70	22.09	21058
J1	5y1d	0.00	7.18	0.0008	28.95	28.22	24263

Node: J2

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.0000	0
4.00	0.0100	436
4.50	0.0400	1742
5.00	0.1400	6098
5.50	0.4500	19602
6.00	1.1200	48787
6.50	2.1500	93654
7.00	3.4500	150282
7.50	5.3800	234353
8.00	7.4300	323651
8.50	9.7700	425581
9.00	11.6100	505732
9.50	13.3300	580655
10.00	15.0100	653836
10.50	16.3900	713948
11.00	17.7200	771883
11.50	18.4900	805424
12.00	18.9800	826769

Stage [ft]	Area [ac]	Area [ft2]
12.50	19.2800	839837
13.00	19.4500	847242
13.50	19.6900	857696
14.00	20.2800	883397
14.50	20.4700	891673
15.00	20.5700	896029
15.50	20.6300	898643
16.00	20.6400	899078
16.50	20.6500	899514
17.00	21.8500	951786
17.50	21.9300	955271
18.00	22.9000	997524
18.50	23.2400	1012334
19.00	23.5500	1025838
19.50	25.0600	1091614
20.00	25.0900	1092920
20.50	25.4200	1107295
21.00	26.1600	1139530
21.50	26.8400	1169150
22.00	27.0900	1180040
22.50	27.0900	1180040
23.00	27.0900	1180040
23.50	27.0900	1180040
24.00	27.4900	1197464

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J2	100y3d	0.00	5.87	0.0007	139.48	138.56	41085
J2	10y1d	0.00	5.62	0.0008	79.11	78.63	26875
J2	25y3d	0.00	5.76	0.0006	109.82	109.00	34940
J2	3Yr1D	0.00	5.47	0.0007	53.11	52.83	18807
J2	5y1d	0.00	5.55	0.0007	65.97	65.59	22654

Node: J3

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0000	0
3.00	0.0100	436
3.50	0.0400	1742
4.00	0.0800	3485
4.50	0.1100	4792
5.00	0.1400	6098
5.50	0.1800	7841
6.00	0.2400	10454
6.50	0.4300	18731
7.00	1.0400	45302
7.50	2.0900	91040
8.00	3.3400	145490
8.50	5.3600	233482
9.00	8.0400	350222
9.50	10.2600	446926
10.00	11.7700	512701
10.50	13.1200	571507
11.00	14.2100	618988
11.50	15.4100	671260
12.00	16.8500	733986
12.50	17.3900	757508
13.00	17.9400	781466
13.50	18.2800	796277
14.00	18.6800	813701
14.50	18.9800	826769
15.00	19.0400	829382
15.50	19.1000	831996
16.00	19.1600	834610
16.50	19.1600	834610
17.00	19.1600	834610
17.50	19.1600	834610
18.00	19.3200	841579
18.50	19.3200	841579
19.00	19.4900	848984
19.50	19.7600	860746
20.00	22.3300	972695
20.50	23.7100	1032808
21.00	23.7600	1034986
21.50	23.7600	1034986
22.00	24.9200	1085515
22.50	25.4300	1107731
23.00	25.4700	1109473
23.50	25.4800	1109909
24.00	25.9400	1129946

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J3	100y3d	0.00	5.54	0.0177	163.84	163.74	8076
J3	10y1d	0.00	5.22	0.0177	103.56	103.51	6880
J3	25y3d	0.00	5.40	0.0177	135.26	135.17	7495
J3	3Yr1D	0.00	5.06	0.0177	77.89	77.86	6317
J3	5y1d	0.00	5.14	0.0177	90.79	90.75	6610

Node: K

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.0000	0
4.50	0.0100	436
5.00	0.0300	1307
5.50	0.0600	2614
6.00	0.0800	3485
6.50	0.1200	5227
7.00	0.2100	9148
7.50	0.3900	16988
8.00	0.7100	30928
8.50	1.7300	75359
9.00	3.2400	141134
9.50	4.6200	201247
10.00	5.6500	246114
10.50	6.3600	277042
11.00	6.9600	303178
11.50	7.4700	325393
12.00	7.9600	346738
12.50	8.9300	388991
13.00	9.7300	423839
13.50	10.4100	453460
14.00	11.0300	480467
14.50	11.6600	507910
15.00	12.5200	545371
15.50	14.2700	621601
16.00	15.4800	674309
16.50	16.4600	716998
17.00	16.9800	739649
17.50	17.2400	750974
18.00	17.3300	754895

Stage [ft]	Area [ac]	Area [ft2]
18.50	17.3400	755330
19.00	17.3700	756637
19.50	17.3700	756637
20.00	17.3700	756637
20.50	17.3700	756637
21.00	17.3700	756637
21.50	17.3700	756637
22.00	17.9600	782338
22.50	17.9600	782338
23.00	17.9600	782338
23.50	18.0000	784080
24.00	18.0000	784080
24.50	19.0600	830254
25.00	20.1100	875992
25.50	20.1900	879476
26.00	20.8400	907790

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
K	100y3d	0.00	8.52	0.0177	140.70	139.36	78533
K	10y1d	0.00	8.39	0.0177	79.42	71.89	65296
K	25y3d	0.00	8.47	0.0177	110.96	109.19	73070
K	3Yr1D	0.00	8.21	0.0177	53.08	38.73	49674
K	5y1d	0.00	8.32	0.0177	66.09	55.23	59799

Node: L

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.1000	4356
1.50	0.1000	4356
2.00	0.1000	4356
2.50	0.2000	8712
3.00	1.0800	47045
3.50	6.4900	282704

Stage [ft]	Area [ac]	Area [ft2]
4.00	14.6300	637283
4.50	26.4800	1153469
5.00	39.2900	1711472
5.50	46.2400	2014214
6.00	48.3700	2106997
6.50	49.1000	2138796
7.00	49.3000	2147508
7.50	49.4100	2152300
8.00	49.4400	2153606
8.50	49.4400	2153606
9.00	49.4500	2154042
9.50	49.4500	2154042
10.00	49.4500	2154042
10.50	49.4500	2154042
11.00	49.4500	2154042
11.50	49.4500	2154042
12.00	49.4500	2154042
12.50	49.4500	2154042
13.00	49.4500	2154042
13.50	49.4500	2154042
14.00	50.0700	2181049
14.50	53.6700	2337865
15.00	61.8200	2692879
15.50	68.5700	2986909
16.00	70.4600	3069238
16.50	71.2400	3103214
17.00	71.3800	3109313
17.50	71.3900	3109748

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
L	100y3d	0.00	4.68	0.0019	699.25	333.32	1352084
L	10y1d	0.00	3.98	0.0026	283.82	154.59	624601
L	25y3d	0.00	4.42	0.0024	522.74	237.53	1072420
L	3Yr1D	0.00	3.32	0.0022	169.76	122.48	199746
L	5y1d	0.00	3.68	0.0021	224.84	131.33	409007

Node: M

Scenario: Pumps

Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	1.5500	67518
3.50	1.5500	67518
4.00	1.5500	67518
4.50	1.5500	67518
5.00	1.5500	67518
5.50	1.5500	67518
6.00	1.5500	67518
6.50	2.3600	102802
7.00	6.3700	277477
7.50	11.3300	493535
8.00	16.9000	736164
8.50	19.7900	862052
9.00	21.7300	946559
9.50	22.8800	996653
10.00	23.6600	1030630
10.50	23.9700	1044133
11.00	24.1000	1049796
11.50	24.1900	1053716
12.00	24.2200	1055023
12.50	24.2200	1055023
13.00	24.2200	1055023
13.50	24.2200	1055023
14.00	24.2200	1055023
14.50	24.2200	1055023
15.00	24.2800	1057637
15.50	24.2800	1057637
16.00	24.2800	1057637
16.50	24.2800	1057637
17.00	24.6000	1071576
17.50	26.3000	1145628
18.00	30.0800	1310285
18.50	32.8400	1430510
19.00	33.7800	1471457
19.50	35.0100	1525036
20.00	36.1600	1575130
20.50	36.4000	1585584
21.00	36.4600	1588198

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
M	100y3d	0.00	6.70	0.0097	211.70	200.10	172313
M	10y1d	0.00	6.32	0.0100	97.27	64.79	89910
M	25y3d	0.00	6.56	0.0100	146.37	136.54	123222
M	3Yr1D	0.00	5.96	0.0077	63.50	21.32	67520
M	5y1d	0.00	6.16	0.0095	80.12	39.76	78801

Node: N

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.6800	29621
8.00	0.6800	29621
8.50	0.7000	30492
9.00	2.6000	113256
9.50	4.3700	190357
10.00	7.5600	329314
10.50	11.5300	502247
11.00	13.4500	585882
11.50	14.6800	639461
12.00	15.0200	654271
12.50	15.1100	658192
13.00	15.1500	659934
13.50	15.1600	660370
14.00	15.1700	660805
14.50	15.1700	660805
15.00	15.1800	661241
15.50	15.2100	662548
16.00	15.2100	662548
16.50	15.2100	662548
17.00	15.2100	662548
17.50	15.2100	662548
18.00	15.2100	662548
18.50	15.2500	664290
19.00	15.3800	669953
19.50	15.4800	674309
20.00	16.5200	719611
20.50	16.6700	726145
21.00	18.4900	805424
21.50	20.0600	873814
22.00	20.1800	879041

Stage [ft]	Area [ac]	Area [ft2]
22.50	20.2900	883832
23.00	20.3800	887753

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
N	100y3d	0.00	8.05	0.0186	112.48	99.73	29711
N	10y1d	0.00	6.40	0.0186	55.15	65.03	29631
N	25y3d	0.00	7.43	0.0186	86.07	65.03	29631
N	3Yr1D	0.00	5.57	0.0186	43.99	65.03	29631
N	5y1d	0.00	6.04	0.0186	44.40	65.03	29631

Node: O

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.6800	29621
4.50	0.6800	29621
5.00	0.6800	29621
5.50	0.6800	29621
6.00	0.6800	29621
6.50	0.6800	29621
7.00	0.6800	29621
7.50	0.6800	29621
8.00	0.6800	29621
8.50	0.6800	29621
9.00	1.6400	71438
9.50	3.0400	132422
10.00	4.8800	212573
10.50	6.1700	268765
11.00	7.1300	310583
11.50	7.7400	337154
12.00	8.1100	353272
12.50	8.1900	356756
13.00	8.2100	357628
13.50	8.2100	357628
14.00	8.2100	357628

Stage [ft]	Area [ac]	Area [ft2]
14.50	8.2800	360677
15.00	8.2800	360677
15.50	8.2800	360677
16.00	8.2800	360677
16.50	8.2800	360677
17.00	8.2800	360677
17.50	8.2800	360677
18.00	8.2800	360677
18.50	8.2800	360677
19.00	8.2800	360677
19.50	8.3800	365033
20.00	9.0100	392476
20.50	10.0800	439085
21.00	10.2900	448232
21.50	10.5200	458251
22.00	10.5200	458251
22.50	10.6900	465656

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
O	100y3d	0.00	7.28	0.0389	88.42	79.55	29623
O	10y1d	0.00	6.32	0.0389	34.51	43.99	29623
O	25y3d	0.00	6.92	0.0389	64.57	57.03	29623
O	3Yr1D	0.00	5.58	0.0389	20.62	43.99	29623
O	5y1d	0.00	6.02	0.0389	27.22	43.99	29623

Node: Outfall North

Scenario: Pumps
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -1.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-1.00
0	0	0	12.0000	1.00
0	0	0	24.0000	-1.00
0	0	0	36.0000	1.00
0	0	0	48.0000	-1.00

Year	Month	Day	Hour	Stage [ft]
0	0	0	60.0000	1.00
0	0	0	72.0000	-1.00
0	0	0	84.0000	1.00
0	0	0	96.0000	-1.00

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Outfall North	100y3d	0.00	1.00	0.0003	1207.00	0.04	0
Outfall North	10y1d	0.00	1.00	0.0002	625.58	0.04	0
Outfall North	25y3d	0.00	1.00	0.0002	919.94	0.04	0
Outfall North	3Yr1D	0.00	1.00	0.0001	426.81	0.04	0
Outfall North	5y1d	0.00	1.00	0.0001	520.52	0.04	0

Node: Outfall South

Scenario: Pumps
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: -1.00 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	-1.00
0	0	0	12.0000	1.00
0	0	0	24.0000	-1.00
0	0	0	36.0000	1.00
0	0	0	48.0000	-1.00
0	0	0	60.0000	1.00
0	0	0	72.0000	-1.00
0	0	0	84.0000	1.00
0	0	0	96.0000	-1.00

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Outfall South	100y3d	0.00	1.00	0.0003	971.27	8.40	0
Outfall South	10y1d	0.00	1.00	0.0002	537.91	11.46	0
Outfall South	25y3d	0.00	1.00	0.0002	750.38	9.95	0
Outfall South	3Yr1D	0.00	1.00	0.0001	398.71	9.60	0
Outfall South	5y1d	0.00	1.00	0.0001	472.87	10.95	0

Node: P1

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0100	436
2.00	0.0100	436
2.50	0.0200	871
3.00	0.0800	3485
3.50	0.3700	16117
4.00	1.7000	74052
4.50	3.6100	157252
5.00	6.0600	263974
5.50	8.5000	370260
6.00	9.7800	426017
6.50	10.3400	450410
7.00	10.7200	466963
7.50	11.1100	483952
8.00	11.5800	504425
8.50	11.9000	518364
9.00	11.9600	520978
9.50	11.9600	520978
10.00	11.9600	520978
10.50	11.9600	520978
11.00	11.9600	520978
11.50	11.9600	520978
12.00	11.9600	520978
12.50	11.9600	520978
13.00	11.9600	520978
13.50	11.9600	520978
14.00	11.9600	520978
14.50	12.0600	525334
15.00	13.0200	567151
15.50	14.4200	628135

Stage [ft]	Area [ac]	Area [ft2]
16.00	15.0400	655142
16.50	15.6400	681278
17.00	15.7000	683892
17.50	16.0400	698702
18.00	16.3800	713513
18.50	16.6300	724403
19.00	16.6400	724838

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P1	100y3d	0.00	4.68	0.0110	127.39	93.18	195913
P1	10y1d	0.00	3.98	0.0110	67.84	54.60	71251
P1	25y3d	0.00	4.43	0.0110	98.44	81.55	144901
P1	3Yr1D	0.00	3.75	0.0110	43.16	37.10	44871
P1	5y1d	0.00	3.86	0.0110	55.32	44.72	58186

Node: P2

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.0700	3049
3.50	0.1300	5663
4.00	0.2200	9583
4.50	0.4100	17860
5.00	1.0900	47480
5.50	1.6400	71438
6.00	2.0300	88427
6.50	2.3300	101495
7.00	2.4700	107593
7.50	2.6400	114998
8.00	2.8500	124146
8.50	2.9800	129809
9.00	2.9900	130244
9.50	3.0000	130680

Stage [ft]	Area [ac]	Area [ft2]
10.00	3.0000	130680
10.50	3.0000	130680
11.00	3.0000	130680
11.50	3.0000	130680
12.00	3.0000	130680
12.50	3.0000	130680
13.00	3.0000	130680
13.50	3.0000	130680
14.00	3.0000	130680
14.50	3.0000	130680
15.00	3.0300	131987
15.50	3.2100	139828
16.00	3.5900	156380
16.50	3.7500	163350
17.00	3.7500	163350
17.50	3.7500	163350
18.00	3.9200	170755
18.50	4.0700	177289
19.00	4.1400	180338

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P2	100y3d	0.00	5.19	0.0008	31.00	19.28	56585
P2	10y1d	0.00	4.84	0.0008	16.27	5.00	38100
P2	25y3d	0.00	5.09	0.0008	24.19	10.77	52024
P2	3Yr1D	0.00	4.30	0.0008	10.16	4.44	14615
P2	5y1d	0.00	4.63	0.0008	13.16	4.79	25433

Node: P3

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.1300	5663
3.50	0.3000	13068

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.6600	28750
4.50	1.3100	57064
5.00	2.3600	102802
5.50	3.3800	147233
6.00	4.4400	193406
6.50	5.3700	233917
7.00	6.5500	285318
7.50	7.6000	331056
8.00	7.7500	337590
8.50	7.7500	337590
9.00	7.7500	337590
9.50	7.7500	337590
10.00	7.7500	337590
10.50	7.7500	337590
11.00	7.7500	337590
11.50	7.7500	337590
12.00	7.7500	337590
12.50	7.7500	337590
13.00	7.7500	337590
13.50	7.7500	337590
14.00	7.8400	341510
14.50	7.9500	346302
15.00	8.9500	389862
15.50	9.4100	409900
16.00	9.8700	429937
16.50	10.0900	439520
17.00	10.6900	465656
17.50	11.2800	491357
18.00	11.3700	495277

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P3	100y3d	0.00	3.90	0.0138	170.47	169.40	25644
P3	10y1d	0.00	3.60	0.0138	96.80	96.25	16326
P3	25y3d	0.00	3.76	0.0138	134.38	133.66	21399
P3	3Yr1D	0.00	3.43	0.0138	64.11	63.66	12035
P3	5y1d	0.00	3.52	0.0138	80.66	80.15	13811

Node: P4

Scenario: Pumps

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0100	436
2.00	0.0500	2178
2.50	0.3400	14810
3.00	1.3100	57064
3.50	3.1500	137214
4.00	5.3700	233917
4.50	7.3400	319730
5.00	8.3200	362419
5.50	8.7500	381150
6.00	9.0500	394218
6.50	9.2100	401188
7.00	9.3600	407722
7.50	9.4400	411206
8.00	9.4500	411642
8.50	9.4500	411642
9.00	9.4500	411642
9.50	9.4500	411642
10.00	9.4500	411642
10.50	9.4500	411642
11.00	9.4500	411642
11.50	9.4500	411642
12.00	9.4500	411642
12.50	9.4500	411642
13.00	9.4500	411642
13.50	9.4500	411642
14.00	10.2400	446054
14.50	11.5200	501811
15.00	12.5500	546678
15.50	12.8700	560617
16.00	13.2100	575428
16.50	13.3500	581526
17.00	13.4600	586318
17.50	13.5300	589367

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P4	100y3d	0.00	4.08	0.0139	131.29	47.29	248476
P4	10y1d	0.00	3.17	0.0138	55.49	32.00	84004
P4	25y3d	0.00	3.76	0.0139	94.13	36.49	187708
P4	3Yr1D	0.00	2.11	0.0139	32.27	32.00	4858
P4	5y1d	0.00	2.74	0.0138	41.87	32.00	34944

Node: Q

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.0000	0
4.00	0.0100	436
4.50	0.0100	436
5.00	0.0400	1742
5.50	0.1100	4792
6.00	0.3500	15246
6.50	1.0900	47480
7.00	2.6300	114563
7.50	4.0200	175111
8.00	5.2800	229997
8.50	6.4300	280091
9.00	7.0900	308840
9.50	7.2500	315810
10.00	7.2800	317117
10.50	7.2900	317552
11.00	7.2900	317552
11.50	7.2900	317552
12.00	7.2900	317552
12.50	7.2900	317552
13.00	7.2900	317552
13.50	7.2900	317552
14.00	7.2900	317552
14.50	7.2900	317552
15.00	7.2900	317552
15.50	7.2900	317552
16.00	7.2900	317552
16.50	7.4500	324522
17.00	7.8200	340639
17.50	8.6600	377230
18.00	9.2600	403366

Stage [ft]	Area [ac]	Area [ft2]
18.50	10.5100	457816
19.00	11.2100	488308
19.50	11.2800	491357
20.00	11.8600	516622

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Q	100y3d	0.00	6.40	0.0435	132.71	124.05	41003
Q	10y1d	0.00	5.07	0.0435	49.84	49.28	2208
Q	25y3d	0.00	5.96	0.0435	85.47	82.28	14381
Q	3Yr1D	0.00	4.08	0.0435	32.77	49.28	554
Q	5y1d	0.00	4.55	0.0435	41.18	49.28	586

Node: R

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0100	436
3.00	0.0800	3485
3.50	0.5200	22651
4.00	1.5600	67954
4.50	2.6700	116305
5.00	3.5500	154638
5.50	4.2700	186001
6.00	4.7200	205603
6.50	5.2000	226512
7.00	5.6600	246550
7.50	6.0700	264409
8.00	6.3400	276170
8.50	6.7500	294030
9.00	7.0300	306227
9.50	7.1100	309712
10.00	7.1700	312325
10.50	7.2900	317552
11.00	7.3500	320166

Stage [ft]	Area [ac]	Area [ft2]
11.50	7.3500	320166
12.00	7.3500	320166
12.50	7.3500	320166
13.00	7.3500	320166
13.50	7.3500	320166
14.00	7.3500	320166
14.50	7.3800	321473
15.00	7.8500	341946
15.50	8.1800	356321
16.00	8.3200	362419
16.50	8.5900	374180
17.00	8.9600	390298
17.50	9.1100	396832
18.00	9.7200	423403
18.50	10.1500	442134
19.00	10.1500	442134
19.50	10.1500	442134
20.00	10.2100	444748
20.50	10.5600	459994
21.00	10.5600	459994
21.50	10.5600	459994

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
R	100y3d	0.00	4.24	0.0164	82.16	66.53	91192
R	10y1d	0.00	3.88	0.0164	48.85	34.89	56669
R	25y3d	0.00	4.10	0.0164	65.11	49.19	78113
R	3Yr1D	0.00	3.45	0.0164	33.09	26.43	20778
R	5y1d	0.00	3.73	0.0164	40.90	29.69	43103

Node: S

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.50	0.5100	22216
5.50	0.5100	22216

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.5100	22216
6.50	0.5100	22216
7.00	0.5100	22216
7.50	1.4400	62726
8.00	2.3700	103237
8.50	4.0900	178160
9.00	7.3600	320602
9.50	10.5200	458251
10.00	13.8300	602435
10.50	16.1400	703058
11.00	17.4500	760122
11.50	18.0300	785387
12.00	18.1700	791485
12.50	18.1900	792356
13.00	18.2100	793228
13.50	18.2200	793663
14.00	18.2200	793663
14.50	18.2300	794099
15.00	18.2300	794099
15.50	18.2300	794099
16.00	18.2400	794534
16.50	18.2700	795841
17.00	18.2700	795841
17.50	18.3100	797584
18.00	18.4500	803682
18.50	18.6500	812394
19.00	18.9800	826769
19.50	19.3700	843757
20.00	20.3100	884704
20.50	22.3400	973130
21.00	23.7300	1033679
21.50	24.1200	1050667

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
S	100y3d	0.00	7.28	0.0254	142.57	139.39	44782
S	10y1d	0.00	6.75	0.0254	77.92	72.71	22228
S	25y3d	0.00	7.12	0.0254	111.98	109.67	31735
S	3Yr1D	0.00	6.32	0.0254	61.79	45.73	22228
S	5y1d	0.00	6.54	0.0254	69.14	59.27	22228

Node: T

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.50	0.5100	22216
5.00	0.5100	22216
5.50	0.5100	22216
6.00	0.5100	22216
6.50	0.5100	22216
7.00	0.5100	22216
7.50	0.5100	22216
8.00	0.5100	22216
8.50	0.6200	27007
9.00	1.4200	61855
9.50	3.0700	133729
10.00	5.2000	226512
10.50	6.7000	291852
11.00	7.3400	319730
11.50	7.7200	336283
12.00	7.9500	346302
12.50	8.0500	350658
13.00	8.0700	351529
13.50	8.0700	351529
14.00	8.0700	351529
14.50	8.0700	351529
15.00	8.0700	351529
15.50	8.0700	351529
16.00	8.0700	351529
16.50	8.0700	351529
17.00	8.0700	351529
17.50	8.0700	351529
18.00	8.0700	351529
18.50	8.1000	352836
19.00	8.1000	352836
19.50	9.3100	405544
20.00	10.0300	436907
20.50	10.7500	468270
21.00	11.2500	490050
21.50	11.5900	504860
22.00	11.8100	514444

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
T	100y3d	0.00	6.77	0.0162	113.07	111.67	22220
T	10y1d	0.00	6.44	0.0162	79.75	78.06	22220
T	25y3d	0.00	6.66	0.0162	101.68	99.72	22220
T	3Yr1D	0.00	6.14	0.0162	53.23	51.41	22220
T	5y1d	0.00	6.30	0.0162	66.90	65.15	22220

Node: U1

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0400	1742
3.00	0.2800	12197
3.50	0.8000	34848
4.00	1.7100	74488
4.50	2.7600	120226
5.00	3.2500	141570
5.50	3.4000	148104
6.00	3.4500	150282
6.50	3.5100	152896
7.00	3.5200	153331
7.50	3.5200	153331
8.00	3.5200	153331
8.50	3.5200	153331
9.00	3.5200	153331
9.50	3.5200	153331
10.00	3.5200	153331
10.50	3.5200	153331
11.00	3.5200	153331
11.50	3.5200	153331
12.00	3.5200	153331
12.50	3.5200	153331
13.00	3.5200	153331
13.50	3.5200	153331
14.00	3.6700	159865
14.50	4.2500	185130
15.00	4.6600	202990
15.50	5.0800	221285
16.00	5.1900	226076

Stage [ft]	Area [ac]	Area [ft2]
16.50	5.1900	226076
17.00	5.1900	226076
17.50	5.1900	226076
18.00	5.1900	226076
18.50	5.1900	226076
19.00	5.1900	226076
19.50	5.1900	226076
20.00	5.1900	226076
20.50	5.1900	226076

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U1	100y3d	0.00	4.19	0.0055	44.76	24.24	91651
U1	10y1d	0.00	3.72	0.0055	20.05	11.00	52366
U1	25y3d	0.00	3.99	0.0055	31.07	16.96	73928
U1	3Yr1D	0.00	3.24	0.0055	12.68	9.37	23234
U1	5y1d	0.00	3.52	0.0055	16.31	10.16	36339

Node: U2

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.50	0.0100	436
2.00	0.0100	436
2.50	0.0500	2178
3.00	0.3100	13504
3.50	1.2900	56192
4.00	2.8800	125453
4.50	4.8200	209959
5.00	6.2900	273992
5.50	6.7700	294901
6.00	7.0400	306662
6.50	7.1900	313196
7.00	7.3200	318859
7.50	7.4800	325829

Stage [ft]	Area [ac]	Area [ft2]
8.00	7.7300	336719
8.50	7.9900	348044
9.00	8.6000	374616
9.50	9.3000	405108
10.00	9.9200	432115
10.50	10.0900	439520
11.00	10.1100	440392
11.50	10.1100	440392
12.00	10.1100	440392
12.50	10.1100	440392
13.00	10.1100	440392
13.50	10.1100	440392
14.00	10.3000	448668
14.50	11.0000	479160
15.00	12.3200	536659
15.50	12.7500	555390
16.00	12.8600	560182
16.50	12.8600	560182
17.00	12.9600	564538
17.50	13.0700	569329
18.00	13.0700	569329
18.50	13.3800	582833
19.00	13.3800	582833
19.50	13.3800	582833
20.00	13.5800	591545
20.50	13.7400	598514

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U2	100y3d	0.00	4.17	0.0133	90.68	51.36	154226
U2	10y1d	0.00	3.52	0.0133	47.85	30.00	58370
U2	25y3d	0.00	4.00	0.0133	71.06	34.49	125396
U2	3Yr1D	0.00	2.15	0.0133	30.35	30.00	970
U2	5y1d	0.00	3.17	0.0133	38.97	30.00	28036

Node: U3

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0100	436
3.00	0.0300	1307
3.50	0.2600	11326
4.00	0.8100	35284
4.50	1.3400	58370
5.00	1.7800	77537
5.50	2.0500	89298
6.00	2.2000	95832
6.50	2.3400	101930
7.00	2.5700	111949
7.50	2.7500	119790
8.00	2.9200	127195
8.50	3.3000	143748
9.00	3.8500	167706
9.50	4.3100	187744
10.00	4.5400	197762
10.50	4.5800	199505
11.00	4.5900	199940
11.50	4.5900	199940
12.00	4.5900	199940

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U3	100y3d	0.00	4.18	0.0183	52.97	39.14	43639
U3	10y1d	0.00	3.40	0.0183	31.84	28.64	9354
U3	25y3d	0.00	3.96	0.0183	42.44	32.35	33186
U3	3Yr1D	0.00	2.70	0.0183	24.19	24.06	804
U3	5y1d	0.00	3.11	0.0183	27.66	26.83	3586

Node: V

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0000	0
5.50	0.0100	436
6.00	0.0800	3485
6.50	0.2400	10454
7.00	0.3300	14375
7.50	0.4700	20473
8.00	0.6400	27878
8.50	1.2400	54014
9.00	2.1200	92347
9.50	3.1300	136343
10.00	4.0100	174676
10.50	4.6800	203861
11.00	5.2000	226512
11.50	5.4600	237838
12.00	5.6300	245243
12.50	5.7700	251341
13.00	5.8400	254390
13.50	5.9200	257875
14.00	5.9900	260924
14.50	6.0600	263974
15.00	6.0800	264845
15.50	6.0900	265280
16.00	6.0900	265280
16.50	6.0900	265280
17.00	6.0900	265280
17.50	6.0900	265280
18.00	6.0900	265280
18.50	6.0900	265280
19.00	6.0900	265280
19.50	6.0900	265280
20.00	6.1400	267458
20.50	6.3900	278348
21.00	6.9000	300564
21.50	6.9000	300564
22.00	6.9000	300564
22.50	6.9000	300564
23.00	6.9000	300564
23.50	6.9000	300564
24.00	6.9000	300564
24.50	6.9100	301000

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
V	100y3d	0.00	6.80	0.0640	94.25	93.01	12790
V	10y1d	0.00	6.54	0.0640	51.16	73.21	10809
V	25y3d	0.00	6.70	0.0640	79.40	78.15	12049
V	3Yr1D	0.00	6.30	0.0640	21.26	73.21	7735
V	5y1d	0.00	6.45	0.0640	36.85	73.21	9761

Node: W

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0000	0
3.00	0.0100	436
3.50	0.0600	2614
4.00	0.5900	25700
4.50	1.5800	68825
5.00	2.7600	120226
5.50	3.5100	152896
6.00	3.7900	165092
6.50	3.9700	172933
7.00	4.1400	180338
7.50	4.4300	192971
8.00	4.7300	206039
8.50	5.1400	223898
9.00	5.4800	238709
9.50	5.8600	255262
10.00	5.9600	259618
10.50	6.0000	261360
11.00	6.0200	262231
11.50	6.0400	263102
12.00	6.0600	263974
12.50	6.0600	263974
13.00	6.0600	263974
13.50	6.0600	263974
14.00	6.0600	263974
14.50	6.0600	263974
15.00	6.1500	267894
15.50	6.3100	274864
16.00	6.3100	274864
16.50	6.3100	274864
17.00	6.3100	274864

Stage [ft]	Area [ac]	Area [ft2]
17.50	6.4000	278784
18.00	6.4100	279220
18.50	6.4600	281398
19.00	6.5700	286189
19.50	6.5700	286189
20.00	6.5900	287060
20.50	6.6500	289674

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W	100y3d	0.00	4.68	0.0692	174.04	158.17	87449
W	10y1d	0.00	3.98	0.0692	86.11	85.90	24747
W	25y3d	0.00	4.42	0.0692	137.51	131.93	62304
W	3Yr1D	0.00	3.72	0.0692	56.67	78.36	12678
W	5y1d	0.00	3.84	0.0692	70.51	78.36	18144

Node: W1

Scenario: Pumps
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.1000	4356
20.00	0.2000	8712

Comment:

Node Max Conditions [Pumps]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W1	100y3d	0.00	7.26	0.0113	119.39	34.52	5974
W1	10y1d	0.00	6.09	0.0113	119.39	32.33	5721
W1	25y3d	0.00	6.87	0.0113	119.39	32.41	5891
W1	3Yr1D	0.00	5.31	0.0113	119.39	31.54	5551

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W1	5y1d	0.00	5.75	0.0113	119.39	32.04	5647

Node: A

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 1.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0300	1307
2.00	0.3200	13939
2.50	1.3700	59677
3.00	3.1500	137214
3.50	6.7400	293594
4.00	11.1100	483952
4.50	15.5700	678229
5.00	19.2000	836352
5.50	22.1800	966161
6.00	23.7100	1032808
6.50	24.2300	1055459
7.00	24.3100	1058944
7.50	24.3100	1058944
8.00	24.3100	1058944
8.50	24.3100	1058944
9.00	24.3100	1058944
9.50	24.3100	1058944
10.00	24.3100	1058944
10.50	24.3100	1058944
11.00	24.3100	1058944
11.50	24.3100	1058944
12.00	24.3100	1058944
12.50	24.3100	1058944
13.00	24.3100	1058944
13.50	25.2900	1101632
14.00	26.2300	1142579
14.50	28.4600	1239718
15.00	30.7500	1339470
15.50	32.5700	1418749
16.00	33.5800	1462745
16.50	34.0900	1484960

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
A	100y3d	0.00	3.78	0.0216	204.60	112.11	398695
A	10y1d	0.00	3.34	0.0215	115.43	56.97	244965
A	25y3d	0.00	3.62	0.0217	162.27	80.92	338464
A	3Yr1D	0.00	2.75	0.0217	75.46	50.00	98960
A	5y1d	0.00	3.12	0.0216	95.33	50.58	173738

Node: B

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.64 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0100	436
2.00	0.0700	3049
2.50	0.3400	14810
3.00	0.8400	36590
3.50	1.5700	68389
4.00	2.2600	98446
4.50	2.5700	111949
5.00	2.6600	115870
5.50	2.6600	115870
6.00	2.6600	115870
6.50	2.6600	115870
7.00	2.6600	115870
7.50	2.6600	115870
8.00	2.6600	115870
8.50	2.6600	115870
9.00	2.6600	115870
9.50	2.6600	115870
10.00	2.6600	115870
10.50	2.6600	115870
11.00	2.6600	115870
11.50	2.6600	115870
12.00	2.6600	115870
12.50	2.6600	115870
13.00	2.7300	118919
13.50	3.0100	131116
14.00	3.4800	151589
14.50	3.7300	162479
15.00	3.8200	166399

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
B	100y3d	0.64	3.70	0.0003	30.82	15.92	80291
B	10y1d	0.64	3.50	0.0003	19.73	7.55	68454
B	25y3d	0.64	3.60	0.0003	24.76	10.62	74336
B	3Yr1D	0.64	3.34	0.0002	13.70	4.74	58019
B	5y1d	0.64	3.42	0.0002	16.72	6.04	63508

Node: C

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0063	275
1.50	0.1389	6050
2.00	1.2265	53425
2.50	2.8122	122500
3.00	4.3893	191200
3.50	6.3298	275725
4.00	9.7475	424600
4.50	13.1020	570725
5.00	14.2579	621075
5.50	14.6602	638600
6.00	14.9621	651750
6.50	15.2606	664750
7.00	15.4775	674200
7.50	15.7283	685125
8.00	16.0629	699700
8.50	16.1903	705250
9.00	16.2001	705675
9.50	16.2001	705675
10.00	16.2001	705675
10.50	16.2001	705675
11.00	16.2001	705675
11.50	16.2001	705675
12.00	16.2001	705675

Stage [ft]	Area [ac]	Area [ft2]
12.50	16.2001	705675
13.00	16.2471	707725
13.50	16.3309	711375
14.00	16.9984	740450
14.50	21.3705	930900
15.00	22.7715	991925
15.50	22.9218	998475
16.00	23.3701	1018000
16.50	23.4320	1020700
17.00	23.4320	1020700
17.50	23.7161	1033075
18.00	23.8005	1036750

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
C	100y3d	0.00	3.61	0.0003	151.58	120.27	307627
C	10y1d	0.00	3.45	0.0003	90.86	58.77	267216
C	25y3d	0.00	3.53	0.0003	121.18	86.31	285015
C	3Yr1D	0.00	3.31	0.0003	61.34	28.45	242965
C	5y1d	0.00	3.39	0.0003	76.09	44.10	257441

Node: D

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0100	436
2.00	0.0300	1307
2.50	0.0900	3920
3.00	0.2100	9148
3.50	0.5400	23522
4.00	1.2200	53143
4.50	1.7000	74052
5.00	2.2100	96268
5.50	2.6900	117176
6.00	3.0800	134165

Stage [ft]	Area [ac]	Area [ft2]
6.50	3.6500	158994
7.00	4.4800	195149
7.50	5.1200	223027
8.00	5.4800	238709
8.50	5.6900	247856
9.00	5.7500	250470
9.50	5.7700	251341
10.00	5.7700	251341
10.50	5.7700	251341
11.00	5.7700	251341
11.50	5.7700	251341
12.00	5.7700	251341
12.50	5.7700	251341
13.00	5.7700	251341
13.50	5.7700	251341
14.00	5.7700	251341
14.50	5.7700	251341
15.00	5.7700	251341
15.50	7.7200	336283
16.00	7.7200	336283
16.50	10.1700	443005

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
D	100y3d	0.00	3.94	0.0007	81.13	78.15	49712
D	10y1d	0.00	3.74	0.0005	49.64	46.68	37883
D	25y3d	0.00	3.85	0.0003	64.70	62.35	44146
D	3Yr1D	0.00	3.62	0.0003	33.79	31.72	30664
D	5y1d	0.00	3.68	0.0004	41.68	39.16	34456

Node: E1

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0200	871
2.00	0.0500	2178
2.50	0.1700	7405
3.00	0.4400	19166
3.50	1.2500	54450
4.00	3.2100	139828
4.50	5.8500	254826
5.00	9.1600	399010
5.50	12.6900	552776
6.00	15.8000	688248
6.50	18.6700	813265
7.00	20.8100	906484
7.50	21.9200	954835
8.00	22.7200	989683
8.50	23.4300	1020611
9.00	24.0000	1045440
9.50	24.3500	1060686
10.00	24.5700	1070269
10.50	24.7600	1078546
11.00	24.9100	1085080
11.50	25.0700	1092049
12.00	25.2600	1100326
12.50	25.4400	1108166
13.00	25.5600	1113394
13.50	25.6400	1116878
14.00	25.6800	1118621
14.50	25.9000	1128204
15.00	27.0500	1178298
15.50	29.3200	1277179
16.00	31.8400	1386950
16.50	33.3800	1454033
17.00	34.6100	1507612
17.50	35.0900	1528520
18.00	35.6100	1551172
18.50	35.8800	1562933
19.00	36.2200	1577743
19.50	36.2800	1580357
20.00	36.4800	1589069
20.50	36.5900	1593860
21.00	36.5900	1593860
21.50	36.5900	1593860
22.00	36.6500	1596474
22.50	36.8000	1603008
23.00	36.8600	1605622
23.50	36.9100	1607800

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E1	100y3d	0.00	4.39	0.0006	291.84	251.63	228913
E1	10y1d	0.00	3.96	0.0010	148.74	123.44	133146
E1	25y3d	0.00	4.22	0.0007	224.07	192.94	190678
E1	3Yr1D	0.00	3.69	0.0008	94.58	78.91	86651
E1	5y1d	0.00	3.83	0.0008	121.32	100.01	111528

Node: E2

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0200	871
2.00	0.0400	1742
2.50	0.1100	4792
3.00	0.2500	10890
3.50	0.4800	20909
4.00	0.8600	37462
4.50	1.5500	67518
5.00	2.3600	102802
5.50	3.1200	135907
6.00	3.8300	166835
6.50	4.3300	188615
7.00	4.5200	196891
7.50	4.5900	199940
8.00	4.6400	202118
8.50	4.6700	203425
9.00	4.6800	203861
9.50	4.6800	203861
10.00	4.6800	203861
10.50	4.6800	203861
11.00	4.6800	203861
11.50	4.6800	203861
12.00	4.6800	203861
12.50	4.6800	203861
13.00	4.6800	203861
13.50	4.6800	203861
14.00	4.6800	203861
14.50	4.6800	203861

Stage [ft]	Area [ac]	Area [ft2]
15.00	4.9500	215622
15.50	5.2600	229126
16.00	5.8100	253084
16.50	6.9900	304484
17.00	7.0700	307969
17.50	7.1800	312761
18.00	7.2200	314503
18.50	7.2700	316681

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E2	100y3d	0.00	4.49	0.0006	52.36	47.90	66995
E2	10y1d	0.00	4.32	0.0006	28.98	18.70	56952
E2	25y3d	0.00	4.43	0.0006	41.32	34.16	63102
E2	3Yr1D	0.00	4.14	0.0005	18.68	7.33	45595
E2	5y1d	0.00	4.26	0.0005	23.78	12.32	52842

Node: E3

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0100	436
2.50	0.1300	5663
3.00	0.7200	31363
3.50	1.7600	76666
4.00	2.8300	123275
4.50	4.1700	181645
5.00	5.2300	227819
5.50	5.8000	252648
6.00	6.1200	266587
6.50	6.6200	288367
7.00	7.1900	313196
7.50	8.0000	348480
8.00	8.5700	373309
8.50	8.8100	383764

Stage [ft]	Area [ac]	Area [ft2]
9.00	8.8600	385942
9.50	8.8600	385942
10.00	8.8600	385942
10.50	8.8600	385942
11.00	8.8600	385942
11.50	8.8600	385942
12.00	8.8600	385942
12.50	8.8600	385942
13.00	8.8600	385942
13.50	8.8600	385942
14.00	9.1000	396396
14.50	9.8200	427759
15.00	10.7700	469141
15.50	11.4700	499633
16.00	11.4700	499633
16.50	11.6400	507038
17.00	11.7100	510088
17.50	12.0500	524898
18.00	12.5500	546678
18.50	12.7600	555826

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E3	100y3d	0.00	4.72	0.0219	259.93	218.32	201967
E3	10y1d	0.00	4.31	0.0216	166.08	127.90	159034
E3	25y3d	0.00	4.55	0.0218	223.47	171.53	186530
E3	3Yr1D	0.00	3.94	0.0216	115.34	90.26	117291
E3	5y1d	0.00	4.15	0.0216	140.59	109.43	140581

Node: F

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.0800	3485

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.2600	11326
4.00	0.5500	23958
4.50	1.0700	46609
5.00	1.3700	59677
5.50	1.8400	80150
6.00	2.8700	125017
6.50	4.6300	201683
7.00	6.7700	294901
7.50	8.6800	378101
8.00	10.2200	445183
8.50	11.1800	487001
9.00	11.5400	502682
9.50	11.5800	504425
10.00	11.5900	504860
10.50	11.5900	504860
11.00	11.5900	504860
11.50	11.6000	505296
12.00	11.6000	505296
12.50	11.6000	505296
13.00	11.6000	505296
13.50	11.6000	505296
14.00	11.6000	505296
14.50	11.6000	505296
15.00	11.6000	505296
15.50	11.6000	505296
16.00	12.5200	545371
16.50	12.5200	545371
17.00	12.5600	547114
17.50	12.5600	547114
18.00	13.2400	576734
18.50	13.9500	607662
19.00	14.2700	621601
19.50	14.3300	624215

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
F	100y3d	0.00	4.20	0.0005	222.87	222.04	32815
F	10y1d	0.00	3.87	0.0009	110.86	110.70	20579
F	25y3d	0.00	4.05	0.0006	170.25	169.76	26377
F	3Yr1D	0.00	3.67	0.0005	62.65	62.51	15546
F	5y1d	0.00	3.77	0.0006	86.59	86.43	18251

Node: G

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0200	871
2.00	0.0300	1307
2.50	0.0500	2178
3.00	0.0800	3485
3.50	0.1500	6534
4.00	0.4400	19166
4.50	1.2100	52708
5.00	2.1200	92347
5.50	2.8400	123710
6.00	3.4200	148975
6.50	4.0000	174240
7.00	4.5400	197762
7.50	5.0100	218236
8.00	5.4000	235224
8.50	5.4800	238709
9.00	5.4800	238709
9.50	5.4800	238709
10.00	5.4800	238709
10.50	5.4800	238709
11.00	5.4800	238709
11.50	5.4800	238709
12.00	5.4800	238709
12.50	5.4800	238709
13.00	5.4800	238709
13.50	5.4800	238709
14.00	5.4800	238709
14.50	5.4800	238709
15.00	5.4800	238709
15.50	6.3900	278348
16.00	6.5600	285754
16.50	7.6300	332363
17.00	7.6900	334976
17.50	8.0100	348916

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
G	100y3d	0.00	4.75	0.0062	111.18	95.50	72735
G	10y1d	0.00	4.34	0.0063	61.30	60.38	42266
G	25y3d	0.00	4.58	0.0062	88.98	75.18	59361
G	3Yr1D	0.00	4.18	0.0062	40.31	39.72	31365
G	5y1d	0.00	4.23	0.0063	50.74	49.99	34724

Node: H

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 3.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0000	0
3.50	0.0800	3485
4.00	0.4500	19602
4.50	0.9200	40075
5.00	1.4700	64033
5.50	2.3900	104108
6.00	3.4700	151153
6.50	4.6600	202990
7.00	5.4800	238709
7.50	6.0800	264845
8.00	6.1800	269201
8.50	6.1900	269636
9.00	6.1900	269636
9.50	6.1900	269636
10.00	6.1900	269636
10.50	6.1900	269636
11.00	6.1900	269636
11.50	6.1900	269636
12.00	6.1900	269636
12.50	6.1900	269636
13.00	6.1900	269636
13.50	6.1900	269636
14.00	6.1900	269636
14.50	6.1900	269636
15.00	6.1900	269636
15.50	6.6200	288367
16.00	7.4000	322344
16.50	7.4000	322344
17.00	7.4000	322344
17.50	8.1900	356756

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
H	100y3d	0.00	4.84	0.0003	214.22	206.51	56306
H	10y1d	0.00	4.54	0.0003	131.42	130.67	42218
H	25y3d	0.00	4.69	0.0003	175.05	170.69	49338
H	3Yr1D	0.00	4.42	0.0002	96.16	95.61	36849
H	5y1d	0.00	4.49	0.0002	113.85	113.18	39515

Node: I

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0400	1742
2.00	0.0600	2614
2.50	0.0900	3920
3.00	0.2600	11326
3.50	0.4600	20038
4.00	0.8000	34848
4.50	1.4900	64904
5.00	2.1700	94525
5.50	2.6600	115870
6.00	3.1300	136343
6.50	3.5500	154638
7.00	3.8400	167270
7.50	4.0100	174676
8.00	4.1500	180774
8.50	4.3000	187308
9.00	4.3400	189050
9.50	4.3400	189050
10.00	4.3400	189050
10.50	4.3400	189050
11.00	4.3400	189050
11.50	4.3400	189050
12.00	4.3400	189050

Stage [ft]	Area [ac]	Area [ft2]
12.50	4.3400	189050
13.00	4.3400	189050
13.50	4.3400	189050
14.00	4.3400	189050
14.50	4.4100	192100
15.00	4.5300	197327
15.50	5.4700	238273
16.00	5.4700	238273
16.50	5.4700	238273
17.00	5.5700	242629
17.50	5.9200	257875
18.00	5.9200	257875
18.50	6.3400	276170

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
I	100y3d	0.00	3.90	0.0003	215.89	215.66	32018
I	10y1d	0.00	3.70	0.0003	119.58	119.50	25878
I	25y3d	0.00	3.81	0.0003	168.74	168.59	29228
I	3Yr1D	0.00	3.56	0.0004	72.17	72.10	21783
I	5y1d	0.00	3.64	0.0003	96.99	96.90	24079

Node: J1

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 6.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.0000	0
6.50	0.0100	436
7.00	0.2400	10454
7.50	1.1400	49658
8.00	2.0800	90605
8.50	2.7700	120661
9.00	3.2200	140263
9.50	3.5400	154202
10.00	3.8600	168142
10.50	4.0700	177289

Stage [ft]	Area [ac]	Area [ft2]
11.00	4.3400	189050
11.50	4.8100	209524
12.00	5.3500	233046
12.50	6.0000	261360
13.00	6.4900	282704
13.50	6.7100	292288
14.00	6.9000	300564
14.50	6.9900	304484
15.00	7.0200	305791
15.50	7.0400	306662
16.00	7.0600	307534
16.50	7.0800	308405
17.00	7.0900	308840
17.50	7.1600	311890
18.00	7.3000	317988
18.50	7.4600	324958
19.00	7.4600	324958
19.50	7.4600	324958
20.00	7.5000	326700
20.50	7.5000	326700
21.00	7.5500	328878
21.50	7.8400	341510
22.00	8.4400	367646
22.50	8.4400	367646
23.00	8.4400	367646
23.50	8.4800	369389
24.00	8.6300	375923

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J1	100y3d	0.00	7.33	0.0005	65.02	64.41	36393
J1	10y1d	0.00	7.21	0.0005	35.39	34.58	27073
J1	25y3d	0.00	7.28	0.0005	50.95	50.42	32635
J1	3Yr1D	0.00	7.14	0.0005	22.69	22.09	21058
J1	5y1d	0.00	7.18	0.0005	28.95	28.22	24263

Node: J2

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs

Initial Stage: 3.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.0000	0
4.00	0.0100	436
4.50	0.0400	1742
5.00	0.1400	6098
5.50	0.4500	19602
6.00	1.1200	48787
6.50	2.1500	93654
7.00	3.4500	150282
7.50	5.3800	234353
8.00	7.4300	323651
8.50	9.7700	425581
9.00	11.6100	505732
9.50	13.3300	580655
10.00	15.0100	653836
10.50	16.3900	713948
11.00	17.7200	771883
11.50	18.4900	805424
12.00	18.9800	826769
12.50	19.2800	839837
13.00	19.4500	847242
13.50	19.6900	857696
14.00	20.2800	883397
14.50	20.4700	891673
15.00	20.5700	896029
15.50	20.6300	898643
16.00	20.6400	899078
16.50	20.6500	899514
17.00	21.8500	951786
17.50	21.9300	955271
18.00	22.9000	997524
18.50	23.2400	1012334
19.00	23.5500	1025838
19.50	25.0600	1091614
20.00	25.0900	1092920
20.50	25.4200	1107295
21.00	26.1600	1139530
21.50	26.8400	1169150
22.00	27.0900	1180040
22.50	27.0900	1180040
23.00	27.0900	1180040
23.50	27.0900	1180040
24.00	27.4900	1197464

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J2	100y3d	0.00	5.87	0.0004	139.92	139.00	41165
J2	10y1d	0.00	5.63	0.0004	79.62	79.14	27031
J2	25y3d	0.00	5.76	0.0003	110.24	109.43	35038
J2	3Yr1D	0.00	5.47	0.0003	53.49	53.21	18878
J2	5y1d	0.00	5.56	0.0003	66.42	66.04	22814

Node: J3

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0000	0
3.00	0.0100	436
3.50	0.0400	1742
4.00	0.0800	3485
4.50	0.1100	4792
5.00	0.1400	6098
5.50	0.1800	7841
6.00	0.2400	10454
6.50	0.4300	18731
7.00	1.0400	45302
7.50	2.0900	91040
8.00	3.3400	145490
8.50	5.3600	233482
9.00	8.0400	350222
9.50	10.2600	446926
10.00	11.7700	512701
10.50	13.1200	571507
11.00	14.2100	618988
11.50	15.4100	671260
12.00	16.8500	733986
12.50	17.3900	757508
13.00	17.9400	781466
13.50	18.2800	796277
14.00	18.6800	813701
14.50	18.9800	826769
15.00	19.0400	829382
15.50	19.1000	831996
16.00	19.1600	834610
16.50	19.1600	834610

Stage [ft]	Area [ac]	Area [ft2]
17.00	19.1600	834610
17.50	19.1600	834610
18.00	19.3200	841579
18.50	19.3200	841579
19.00	19.4900	848984
19.50	19.7600	860746
20.00	22.3300	972695
20.50	23.7100	1032808
21.00	23.7600	1034986
21.50	23.7600	1034986
22.00	24.9200	1085515
22.50	25.4300	1107731
23.00	25.4700	1109473
23.50	25.4800	1109909
24.00	25.9400	1129946

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J3	100y3d	0.00	5.54	0.0010	163.84	163.74	8076
J3	10y1d	0.00	5.22	0.0010	103.56	103.51	6880
J3	25y3d	0.00	5.40	0.0010	135.26	135.17	7495
J3	3Yr1D	0.00	5.06	0.0010	77.89	77.86	6317
J3	5y1d	0.00	5.14	0.0010	90.79	90.75	6610

Node: K

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.0000	0
4.50	0.0100	436
5.00	0.0300	1307
5.50	0.0600	2614
6.00	0.0800	3485
6.50	0.1200	5227
7.00	0.2100	9148
7.50	0.3900	16988

Stage [ft]	Area [ac]	Area [ft2]
8.00	0.7100	30928
8.50	1.7300	75359
9.00	3.2400	141134
9.50	4.6200	201247
10.00	5.6500	246114
10.50	6.3600	277042
11.00	6.9600	303178
11.50	7.4700	325393
12.00	7.9600	346738
12.50	8.9300	388991
13.00	9.7300	423839
13.50	10.4100	453460
14.00	11.0300	480467
14.50	11.6600	507910
15.00	12.5200	545371
15.50	14.2700	621601
16.00	15.4800	674309
16.50	16.4600	716998
17.00	16.9800	739649
17.50	17.2400	750974
18.00	17.3300	754895
18.50	17.3400	755330
19.00	17.3700	756637
19.50	17.3700	756637
20.00	17.3700	756637
20.50	17.3700	756637
21.00	17.3700	756637
21.50	17.3700	756637
22.00	17.9600	782338
22.50	17.9600	782338
23.00	17.9600	782338
23.50	18.0000	784080
24.00	18.0000	784080
24.50	19.0600	830254
25.00	20.1100	875992
25.50	20.1900	879476
26.00	20.8400	907790

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
K	100y3d	0.00	8.52	0.0010	140.70	139.36	78533
K	10y1d	0.00	8.39	0.0010	79.42	71.89	65297

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
K	25y3d	0.00	8.47	0.0010	110.96	109.19	73070
K	3Yr1D	0.00	8.21	0.0010	53.08	38.73	49675
K	5y1d	0.00	8.32	0.0010	66.09	55.23	59800

Node: L

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.1000	4356
1.50	0.1000	4356
2.00	0.1000	4356
2.50	0.2000	8712
3.00	1.0800	47045
3.50	6.4900	282704
4.00	14.6300	637283
4.50	26.4800	1153469
5.00	39.2900	1711472
5.50	46.2400	2014214
6.00	48.3700	2106997
6.50	49.1000	2138796
7.00	49.3000	2147508
7.50	49.4100	2152300
8.00	49.4400	2153606
8.50	49.4400	2153606
9.00	49.4500	2154042
9.50	49.4500	2154042
10.00	49.4500	2154042
10.50	49.4500	2154042
11.00	49.4500	2154042
11.50	49.4500	2154042
12.00	49.4500	2154042
12.50	49.4500	2154042
13.00	49.4500	2154042
13.50	49.4500	2154042
14.00	50.0700	2181049
14.50	53.6700	2337865
15.00	61.8200	2692879
15.50	68.5700	2986909
16.00	70.4600	3069238

Stage [ft]	Area [ac]	Area [ft2]
16.50	71.2400	3103214
17.00	71.3800	3109313
17.50	71.3900	3109748

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
L	100y3d	0.00	4.76	0.0074	714.70	352.41	1447001
L	10y1d	0.00	4.23	0.0056	321.73	165.13	869878
L	25y3d	0.00	4.55	0.0075	564.03	254.72	1207480
L	3Yr1D	0.00	3.75	0.0072	199.16	104.95	458869
L	5y1d	0.00	4.03	0.0055	259.42	130.62	667731

Node: M

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	1.5500	67518
3.50	1.5500	67518
4.00	1.5500	67518
4.50	1.5500	67518
5.00	1.5500	67518
5.50	1.5500	67518
6.00	1.5500	67518
6.50	2.3600	102802
7.00	6.3700	277477
7.50	11.3300	493535
8.00	16.9000	736164
8.50	19.7900	862052
9.00	21.7300	946559
9.50	22.8800	996653
10.00	23.6600	1030630
10.50	23.9700	1044133
11.00	24.1000	1049796
11.50	24.1900	1053716
12.00	24.2200	1055023
12.50	24.2200	1055023

Stage [ft]	Area [ac]	Area [ft2]
13.00	24.2200	1055023
13.50	24.2200	1055023
14.00	24.2200	1055023
14.50	24.2200	1055023
15.00	24.2800	1057637
15.50	24.2800	1057637
16.00	24.2800	1057637
16.50	24.2800	1057637
17.00	24.6000	1071576
17.50	26.3000	1145628
18.00	30.0800	1310285
18.50	32.8400	1430510
19.00	33.7800	1471457
19.50	35.0100	1525036
20.00	36.1600	1575130
20.50	36.4000	1585584
21.00	36.4600	1588198

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
M	100y3d	0.00	6.71	0.0066	217.66	204.49	175262
M	10y1d	0.00	6.37	0.0066	91.26	77.57	93753
M	25y3d	0.00	6.57	0.0066	147.75	141.33	127453
M	3Yr1D	0.00	6.08	0.0066	59.26	30.96	73241
M	5y1d	0.00	6.24	0.0066	75.06	51.21	84662

Node: N

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.6800	29621
8.00	0.6800	29621
8.50	0.7000	30492
9.00	2.6000	113256
9.50	4.3700	190357
10.00	7.5600	329314

Stage [ft]	Area [ac]	Area [ft2]
10.50	11.5300	502247
11.00	13.4500	585882
11.50	14.6800	639461
12.00	15.0200	654271
12.50	15.1100	658192
13.00	15.1500	659934
13.50	15.1600	660370
14.00	15.1700	660805
14.50	15.1700	660805
15.00	15.1800	661241
15.50	15.2100	662548
16.00	15.2100	662548
16.50	15.2100	662548
17.00	15.2100	662548
17.50	15.2100	662548
18.00	15.2100	662548
18.50	15.2500	664290
19.00	15.3800	669953
19.50	15.4800	674309
20.00	16.5200	719611
20.50	16.6700	726145
21.00	18.4900	805424
21.50	20.0600	873814
22.00	20.1800	879041
22.50	20.2900	883832
23.00	20.3800	887753

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
N	100y3d	0.00	8.06	0.0509	112.48	103.10	29744
N	10y1d	0.00	6.56	0.0509	55.57	64.68	29631
N	25y3d	0.00	7.58	0.0509	86.07	65.11	29631
N	3Yr1D	0.00	5.84	0.0509	34.67	64.68	29631
N	5y1d	0.00	6.22	0.0509	44.40	64.68	29631

Node: O

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.6800	29621
4.50	0.6800	29621
5.00	0.6800	29621
5.50	0.6800	29621
6.00	0.6800	29621
6.50	0.6800	29621
7.00	0.6800	29621
7.50	0.6800	29621
8.00	0.6800	29621
8.50	0.6800	29621
9.00	1.6400	71438
9.50	3.0400	132422
10.00	4.8800	212573
10.50	6.1700	268765
11.00	7.1300	310583
11.50	7.7400	337154
12.00	8.1100	353272
12.50	8.1900	356756
13.00	8.2100	357628
13.50	8.2100	357628
14.00	8.2100	357628
14.50	8.2800	360677
15.00	8.2800	360677
15.50	8.2800	360677
16.00	8.2800	360677
16.50	8.2800	360677
17.00	8.2800	360677
17.50	8.2800	360677
18.00	8.2800	360677
18.50	8.2800	360677
19.00	8.2800	360677
19.50	8.3800	365033
20.00	9.0100	392476
20.50	10.0800	439085
21.00	10.2900	448232
21.50	10.5200	458251
22.00	10.5200	458251
22.50	10.6900	465656

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
O	100y3d	0.00	7.31	0.0197	89.79	81.29	29623
O	10y1d	0.00	6.43	0.0197	38.82	31.72	29623
O	25y3d	0.00	6.99	0.0197	68.02	61.64	29623
O	3Yr1D	0.00	5.83	0.0197	22.03	22.22	29623
O	5y1d	0.00	6.18	0.0197	28.62	22.22	29623

Node: Outfall North

Scenario: PumpsSLR
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.80
0	0	0	12.0000	2.80
0	0	0	24.0000	0.80
0	0	0	36.0000	2.80
0	0	0	48.0000	0.80
0	0	0	60.0000	2.80
0	0	0	72.0000	0.80
0	0	0	84.0000	2.80
0	0	0	96.0000	0.80

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Outfall North	100y3d	0.00	2.80	0.0003	1126.04	0.00	0
Outfall North	10y1d	0.00	2.80	0.0017	594.75	0.00	0
Outfall North	25y3d	0.00	2.80	0.0007	854.08	0.00	0
Outfall North	3Yr1D	0.00	2.80	0.0016	393.66	0.00	0
Outfall North	5y1d	0.00	2.80	0.0018	490.02	0.00	0

Node: Outfall South

Scenario: PumpsSLR

Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.80
0	0	0	12.0000	2.80
0	0	0	24.0000	0.80
0	0	0	36.0000	2.80
0	0	0	48.0000	0.80
0	0	0	60.0000	2.80
0	0	0	72.0000	0.80
0	0	0	84.0000	2.80
0	0	0	96.0000	0.80

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Outfall South	100y3d	0.00	2.80	0.0003	977.95	0.00	0
Outfall South	10y1d	0.00	2.80	0.0017	504.87	0.00	0
Outfall South	25y3d	0.00	2.80	0.0007	743.28	0.00	0
Outfall South	3Yr1D	0.00	2.80	0.0016	356.09	0.00	0
Outfall South	5y1d	0.00	2.80	0.0018	426.85	0.00	0

Node: P1

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.00	0.0000	0
1.50	0.0100	436
2.00	0.0100	436
2.50	0.0200	871
3.00	0.0800	3485
3.50	0.3700	16117
4.00	1.7000	74052
4.50	3.6100	157252

Stage [ft]	Area [ac]	Area [ft2]
5.00	6.0600	263974
5.50	8.5000	370260
6.00	9.7800	426017
6.50	10.3400	450410
7.00	10.7200	466963
7.50	11.1100	483952
8.00	11.5800	504425
8.50	11.9000	518364
9.00	11.9600	520978
9.50	11.9600	520978
10.00	11.9600	520978
10.50	11.9600	520978
11.00	11.9600	520978
11.50	11.9600	520978
12.00	11.9600	520978
12.50	11.9600	520978
13.00	11.9600	520978
13.50	11.9600	520978
14.00	11.9600	520978
14.50	12.0600	525334
15.00	13.0200	567151
15.50	14.4200	628135
16.00	15.0400	655142
16.50	15.6400	681278
17.00	15.7000	683892
17.50	16.0400	698702
18.00	16.3800	713513
18.50	16.6300	724403
19.00	16.6400	724838

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P1	100y3d	0.00	4.76	0.0010	131.70	89.28	213711
P1	10y1d	0.00	4.23	0.0010	71.14	58.27	112650
P1	25y3d	0.00	4.56	0.0010	100.76	80.66	169020
P1	3Yr1D	0.00	3.91	0.0010	45.78	35.92	63789
P1	5y1d	0.00	4.04	0.0010	58.31	46.85	80164

Node: P2

Scenario: PumpsSLR

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.0700	3049
3.50	0.1300	5663
4.00	0.2200	9583
4.50	0.4100	17860
5.00	1.0900	47480
5.50	1.6400	71438
6.00	2.0300	88427
6.50	2.3300	101495
7.00	2.4700	107593
7.50	2.6400	114998
8.00	2.8500	124146
8.50	2.9800	129809
9.00	2.9900	130244
9.50	3.0000	130680
10.00	3.0000	130680
10.50	3.0000	130680
11.00	3.0000	130680
11.50	3.0000	130680
12.00	3.0000	130680
12.50	3.0000	130680
13.00	3.0000	130680
13.50	3.0000	130680
14.00	3.0000	130680
14.50	3.0000	130680
15.00	3.0300	131987
15.50	3.2100	139828
16.00	3.5900	156380
16.50	3.7500	163350
17.00	3.7500	163350
17.50	3.7500	163350
18.00	3.9200	170755
18.50	4.0700	177289
19.00	4.1400	180338

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P2	100y3d	0.00	5.21	0.0010	31.77	21.56	57765
P2	10y1d	0.00	4.97	0.0010	17.40	5.10	45849
P2	25y3d	0.00	5.13	0.0010	24.97	12.67	53638
P2	3Yr1D	0.00	4.56	0.0010	11.07	4.11	21414
P2	5y1d	0.00	4.80	0.0010	14.20	4.39	35499

Node: P3

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.1300	5663
3.50	0.3000	13068
4.00	0.6600	28750
4.50	1.3100	57064
5.00	2.3600	102802
5.50	3.3800	147233
6.00	4.4400	193406
6.50	5.3700	233917
7.00	6.5500	285318
7.50	7.6000	331056
8.00	7.7500	337590
8.50	7.7500	337590
9.00	7.7500	337590
9.50	7.7500	337590
10.00	7.7500	337590
10.50	7.7500	337590
11.00	7.7500	337590
11.50	7.7500	337590
12.00	7.7500	337590
12.50	7.7500	337590
13.00	7.7500	337590
13.50	7.7500	337590
14.00	7.8400	341510
14.50	7.9500	346302
15.00	8.9500	389862
15.50	9.4100	409900
16.00	9.8700	429937
16.50	10.0900	439520

Stage [ft]	Area [ac]	Area [ft2]
17.00	10.6900	465656
17.50	11.2800	491357
18.00	11.3700	495277

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P3	100y3d	0.00	4.05	0.0005	172.78	171.33	31474
P3	10y1d	0.00	3.77	0.0006	98.49	97.74	21458
P3	25y3d	0.00	3.92	0.0005	135.98	135.07	26179
P3	3Yr1D	0.00	3.61	0.0005	65.81	65.23	16652
P3	5y1d	0.00	3.70	0.0005	82.48	81.78	19213

Node: P4

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0100	436
2.00	0.0500	2178
2.50	0.3400	14810
3.00	1.3100	57064
3.50	3.1500	137214
4.00	5.3700	233917
4.50	7.3400	319730
5.00	8.3200	362419
5.50	8.7500	381150
6.00	9.0500	394218
6.50	9.2100	401188
7.00	9.3600	407722
7.50	9.4400	411206
8.00	9.4500	411642
8.50	9.4500	411642
9.00	9.4500	411642
9.50	9.4500	411642
10.00	9.4500	411642

Stage [ft]	Area [ac]	Area [ft2]
10.50	9.4500	411642
11.00	9.4500	411642
11.50	9.4500	411642
12.00	9.4500	411642
12.50	9.4500	411642
13.00	9.4500	411642
13.50	9.4500	411642
14.00	10.2400	446054
14.50	11.5200	501811
15.00	12.5500	546678
15.50	12.8700	560617
16.00	13.2100	575428
16.50	13.3500	581526
17.00	13.4600	586318
17.50	13.5300	589367

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P4	100y3d	0.00	4.20	0.0139	150.57	53.72	268235
P4	10y1d	0.00	3.47	0.0138	68.84	32.00	132496
P4	25y3d	0.00	3.96	0.0139	109.50	37.95	225532
P4	3Yr1D	0.00	2.63	0.0139	39.42	32.00	25865
P4	5y1d	0.00	3.14	0.0138	53.86	32.00	79159

Node: Q

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.0000	0
4.00	0.0100	436
4.50	0.0100	436
5.00	0.0400	1742
5.50	0.1100	4792
6.00	0.3500	15246
6.50	1.0900	47480
7.00	2.6300	114563

Stage [ft]	Area [ac]	Area [ft2]
7.50	4.0200	175111
8.00	5.2800	229997
8.50	6.4300	280091
9.00	7.0900	308840
9.50	7.2500	315810
10.00	7.2800	317117
10.50	7.2900	317552
11.00	7.2900	317552
11.50	7.2900	317552
12.00	7.2900	317552
12.50	7.2900	317552
13.00	7.2900	317552
13.50	7.2900	317552
14.00	7.2900	317552
14.50	7.2900	317552
15.00	7.2900	317552
15.50	7.2900	317552
16.00	7.2900	317552
16.50	7.4500	324522
17.00	7.8200	340639
17.50	8.6600	377230
18.00	9.2600	403366
18.50	10.5100	457816
19.00	11.2100	488308
19.50	11.2800	491357
20.00	11.8600	516622

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Q	100y3d	0.00	6.42	0.0010	133.82	124.98	42456
Q	10y1d	0.00	5.21	0.0010	49.83	48.65	3062
Q	25y3d	0.00	6.01	0.0010	87.46	84.08	15822
Q	3Yr1D	0.00	4.27	0.0008	32.77	32.70	447
Q	5y1d	0.00	4.72	0.0010	41.18	40.95	1022

Node: R

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0100	436
3.00	0.0800	3485
3.50	0.5200	22651
4.00	1.5600	67954
4.50	2.6700	116305
5.00	3.5500	154638
5.50	4.2700	186001
6.00	4.7200	205603
6.50	5.2000	226512
7.00	5.6600	246550
7.50	6.0700	264409
8.00	6.3400	276170
8.50	6.7500	294030
9.00	7.0300	306227
9.50	7.1100	309712
10.00	7.1700	312325
10.50	7.2900	317552
11.00	7.3500	320166
11.50	7.3500	320166
12.00	7.3500	320166
12.50	7.3500	320166
13.00	7.3500	320166
13.50	7.3500	320166
14.00	7.3500	320166
14.50	7.3800	321473
15.00	7.8500	341946
15.50	8.1800	356321
16.00	8.3200	362419
16.50	8.5900	374180
17.00	8.9600	390298
17.50	9.1100	396832
18.00	9.7200	423403
18.50	10.1500	442134
19.00	10.1500	442134
19.50	10.1500	442134
20.00	10.2100	444748
20.50	10.5600	459994
21.00	10.5600	459994
21.50	10.5600	459994

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
R	100y3d	0.00	4.30	0.0131	82.39	70.52	97053
R	10y1d	0.00	4.04	0.0131	49.11	35.46	72142
R	25y3d	0.00	4.20	0.0131	65.33	51.60	87592
R	3Yr1D	0.00	3.85	0.0131	33.29	23.40	54024
R	5y1d	0.00	3.95	0.0131	41.13	29.30	63766

Node: S

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.50	0.5100	22216
5.50	0.5100	22216
6.00	0.5100	22216
6.50	0.5100	22216
7.00	0.5100	22216
7.50	1.4400	62726
8.00	2.3700	103237
8.50	4.0900	178160
9.00	7.3600	320602
9.50	10.5200	458251
10.00	13.8300	602435
10.50	16.1400	703058
11.00	17.4500	760122
11.50	18.0300	785387
12.00	18.1700	791485
12.50	18.1900	792356
13.00	18.2100	793228
13.50	18.2200	793663
14.00	18.2200	793663
14.50	18.2300	794099
15.00	18.2300	794099
15.50	18.2300	794099
16.00	18.2400	794534
16.50	18.2700	795841
17.00	18.2700	795841
17.50	18.3100	797584
18.00	18.4500	803682
18.50	18.6500	812394
19.00	18.9800	826769
19.50	19.3700	843757

Stage [ft]	Area [ac]	Area [ft2]
20.00	20.3100	884704
20.50	22.3400	973130
21.00	23.7300	1033679
21.50	24.1200	1050667

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
S	100y3d	0.00	7.28	0.0977	142.57	139.24	45242
S	10y1d	0.00	6.78	0.0977	77.92	123.64	22228
S	25y3d	0.00	7.13	0.0977	111.98	123.64	32623
S	3Yr1D	0.00	6.34	0.0977	59.94	123.64	22228
S	5y1d	0.00	6.56	0.0977	65.77	123.64	22228

Node: T

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.50	0.5100	22216
5.00	0.5100	22216
5.50	0.5100	22216
6.00	0.5100	22216
6.50	0.5100	22216
7.00	0.5100	22216
7.50	0.5100	22216
8.00	0.5100	22216
8.50	0.6200	27007
9.00	1.4200	61855
9.50	3.0700	133729
10.00	5.2000	226512
10.50	6.7000	291852
11.00	7.3400	319730
11.50	7.7200	336283
12.00	7.9500	346302
12.50	8.0500	350658
13.00	8.0700	351529
13.50	8.0700	351529

Stage [ft]	Area [ac]	Area [ft2]
14.00	8.0700	351529
14.50	8.0700	351529
15.00	8.0700	351529
15.50	8.0700	351529
16.00	8.0700	351529
16.50	8.0700	351529
17.00	8.0700	351529
17.50	8.0700	351529
18.00	8.0700	351529
18.50	8.1000	352836
19.00	8.1000	352836
19.50	9.3100	405544
20.00	10.0300	436907
20.50	10.7500	468270
21.00	11.2500	490050
21.50	11.5900	504860
22.00	11.8100	514444

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
T	100y3d	0.00	6.77	0.0420	113.18	111.80	22220
T	10y1d	0.00	6.46	0.0420	80.62	79.07	22220
T	25y3d	0.00	6.66	0.0420	101.86	100.08	22220
T	3Yr1D	0.00	6.16	0.0420	54.30	52.60	22220
T	5y1d	0.00	6.32	0.0420	67.84	66.23	22220

Node: U1

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0400	1742
3.00	0.2800	12197
3.50	0.8000	34848
4.00	1.7100	74488
4.50	2.7600	120226

Stage [ft]	Area [ac]	Area [ft2]
5.00	3.2500	141570
5.50	3.4000	148104
6.00	3.4500	150282
6.50	3.5100	152896
7.00	3.5200	153331
7.50	3.5200	153331
8.00	3.5200	153331
8.50	3.5200	153331
9.00	3.5200	153331
9.50	3.5200	153331
10.00	3.5200	153331
10.50	3.5200	153331
11.00	3.5200	153331
11.50	3.5200	153331
12.00	3.5200	153331
12.50	3.5200	153331
13.00	3.5200	153331
13.50	3.5200	153331
14.00	3.6700	159865
14.50	4.2500	185130
15.00	4.6600	202990
15.50	5.0800	221285
16.00	5.1900	226076
16.50	5.1900	226076
17.00	5.1900	226076
17.50	5.1900	226076
18.00	5.1900	226076
18.50	5.1900	226076
19.00	5.1900	226076
19.50	5.1900	226076
20.00	5.1900	226076
20.50	5.1900	226076

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U1	100y3d	0.00	4.33	0.0047	51.57	30.19	104485
U1	10y1d	0.00	4.00	0.0047	25.84	13.29	74180
U1	25y3d	0.00	4.20	0.0047	40.25	19.15	92526
U1	3Yr1D	0.00	3.74	0.0047	15.05	6.86	53985
U1	5y1d	0.00	3.87	0.0047	19.81	9.12	64253

Node: U2

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.0000	0
1.50	0.0500	2178
2.00	0.0500	2178
2.50	0.1000	4356
3.00	0.3100	13504
3.50	1.2900	56192
4.00	2.8800	125453
4.50	4.8200	209959
5.00	6.2900	273992
5.50	6.7700	294901
6.00	7.0400	306662
6.50	7.1900	313196
7.00	7.3200	318859
7.50	7.4800	325829
8.00	7.7300	336719
8.50	7.9900	348044
9.00	8.6000	374616
9.50	9.3000	405108
10.00	9.9200	432115
10.50	10.0900	439520
11.00	10.1100	440392
11.50	10.1100	440392
12.00	10.1100	440392
12.50	10.1100	440392
13.00	10.1100	440392
13.50	10.1100	440392
14.00	10.3000	448668
14.50	11.0000	479160
15.00	12.3200	536659
15.50	12.7500	555390
16.00	12.8600	560182
16.50	12.8600	560182
17.00	12.9600	564538
17.50	13.0700	569329
18.00	13.0700	569329
18.50	13.3800	582833
19.00	13.3800	582833
19.50	13.3800	582833
20.00	13.5800	591545
20.50	13.7400	598514

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U2	100y3d	0.00	4.18	0.0128	92.65	52.79	155841
U2	10y1d	0.00	3.59	0.0127	50.85	30.00	68113
U2	25y3d	0.00	4.02	0.0129	73.08	35.57	128511
U2	3Yr1D	0.00	2.46	0.0128	32.78	30.00	4173
U2	5y1d	0.00	3.26	0.0128	41.72	30.00	35400

Node: U3

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0100	436
3.00	0.0300	1307
3.50	0.2600	11326
4.00	0.8100	35284
4.50	1.3400	58370
5.00	1.7800	77537
5.50	2.0500	89298
6.00	2.2000	95832
6.50	2.3400	101930
7.00	2.5700	111949
7.50	2.7500	119790
8.00	2.9200	127195
8.50	3.3000	143748
9.00	3.8500	167706
9.50	4.3100	187744
10.00	4.5400	197762
10.50	4.5800	199505
11.00	4.5900	199940
11.50	4.5900	199940
12.00	4.5900	199940

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U3	100y3d	0.00	4.33	0.0172	51.98	35.87	50661
U3	10y1d	0.00	3.98	0.0172	29.73	22.52	34227
U3	25y3d	0.00	4.19	0.0172	41.53	30.22	44247
U3	3Yr1D	0.00	3.60	0.0172	20.11	20.09	16316
U3	5y1d	0.00	3.82	0.0172	24.82	20.09	26520

Node: V

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0000	0
5.50	0.0100	436
6.00	0.0800	3485
6.50	0.2400	10454
7.00	0.3300	14375
7.50	0.4700	20473
8.00	0.6400	27878
8.50	1.2400	54014
9.00	2.1200	92347
9.50	3.1300	136343
10.00	4.0100	174676
10.50	4.6800	203861
11.00	5.2000	226512
11.50	5.4600	237838
12.00	5.6300	245243
12.50	5.7700	251341
13.00	5.8400	254390
13.50	5.9200	257875
14.00	5.9900	260924
14.50	6.0600	263974
15.00	6.0800	264845
15.50	6.0900	265280
16.00	6.0900	265280
16.50	6.0900	265280
17.00	6.0900	265280
17.50	6.0900	265280
18.00	6.0900	265280
18.50	6.0900	265280
19.00	6.0900	265280
19.50	6.0900	265280

Stage [ft]	Area [ac]	Area [ft2]
20.00	6.1400	267458
20.50	6.3900	278348
21.00	6.9000	300564
21.50	6.9000	300564
22.00	6.9000	300564
22.50	6.9000	300564
23.00	6.9000	300564
23.50	6.9000	300564
24.00	6.9000	300564
24.50	6.9100	301000

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
V	100y3d	0.00	6.80	0.1013	115.89	93.23	12799
V	10y1d	0.00	6.55	0.1013	115.89	52.23	10871
V	25y3d	0.00	6.71	0.1013	115.89	78.83	12076
V	3Yr1D	0.00	6.32	0.1013	115.89	22.57	7986
V	5y1d	0.00	6.46	0.1013	115.89	38.09	9906

Node: W

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0000	0
3.00	0.0100	436
3.50	0.0600	2614
4.00	0.5900	25700
4.50	1.5800	68825
5.00	2.7600	120226
5.50	3.5100	152896
6.00	3.7900	165092
6.50	3.9700	172933
7.00	4.1400	180338
7.50	4.4300	192971
8.00	4.7300	206039
8.50	5.1400	223898

Stage [ft]	Area [ac]	Area [ft2]
9.00	5.4800	238709
9.50	5.8600	255262
10.00	5.9600	259618
10.50	6.0000	261360
11.00	6.0200	262231
11.50	6.0400	263102
12.00	6.0600	263974
12.50	6.0600	263974
13.00	6.0600	263974
13.50	6.0600	263974
14.00	6.0600	263974
14.50	6.0600	263974
15.00	6.1500	267894
15.50	6.3100	274864
16.00	6.3100	274864
16.50	6.3100	274864
17.00	6.3100	274864
17.50	6.4000	278784
18.00	6.4100	279220
18.50	6.4600	281398
19.00	6.5700	286189
19.50	6.5700	286189
20.00	6.5900	287060
20.50	6.6500	289674

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W	100y3d	0.00	4.77	0.0158	166.94	149.36	96299
W	10y1d	0.00	4.23	0.0158	96.60	96.16	45589
W	25y3d	0.00	4.55	0.0158	141.20	131.81	74331
W	3Yr1D	0.00	3.89	0.0158	63.29	63.23	20711
W	5y1d	0.00	4.04	0.0158	79.60	79.46	28790

Node: W1

Scenario: PumpsSLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.1000	4356
20.00	0.2000	8712

Comment:

Node Max Conditions [PumpsSLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W1	100y3d	0.00	7.28	0.0024	105.21	34.38	5979
W1	10y1d	0.00	6.24	0.0024	105.21	28.86	5754
W1	25y3d	0.00	6.98	0.0024	105.21	31.98	5914
W1	3Yr1D	0.00	5.60	0.0024	105.21	27.29	5614
W1	5y1d	0.00	5.95	0.0024	105.21	27.95	5690

Node: A

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0300	1307
2.00	0.3200	13939
2.50	1.3700	59677
3.00	3.1500	137214
3.50	6.7400	293594
4.00	11.1100	483952
4.50	15.5700	678229
5.00	19.2000	836352
5.50	22.1800	966161
6.00	23.7100	1032808
6.50	24.2300	1055459
7.00	24.3100	1058944
7.50	24.3100	1058944
8.00	24.3100	1058944
8.50	24.3100	1058944
9.00	24.3100	1058944
9.50	24.3100	1058944
10.00	24.3100	1058944
10.50	24.3100	1058944
11.00	24.3100	1058944
11.50	24.3100	1058944

Stage [ft]	Area [ac]	Area [ft2]
12.00	24.3100	1058944
12.50	24.3100	1058944
13.00	24.3100	1058944
13.50	25.2900	1101632
14.00	26.2300	1142579
14.50	28.4600	1239718
15.00	30.7500	1339470
15.50	32.5700	1418749
16.00	33.5800	1462745
16.50	34.0900	1484960
1.00	0.0000	0

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
A	100y3d	0.00	3.99	0.0005	204.60	150.01	479375
A	10y1d	0.00	3.77	0.0004	115.43	73.19	395661
A	25y3d	0.00	3.90	0.0005	162.27	113.08	444200
A	3Yr1D	0.00	3.61	0.0005	75.46	38.45	334087
A	5y1d	0.00	3.69	0.0004	95.33	55.23	367788

Node: B

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.64 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0100	436
2.00	0.0700	3049
2.50	0.3400	14810
3.00	0.8400	36590
3.50	1.5700	68389
4.00	2.2600	98446
4.50	2.5700	111949
5.00	2.6600	115870
5.50	2.6600	115870
6.00	2.6600	115870
6.50	2.6600	115870
7.00	2.6600	115870

Stage [ft]	Area [ac]	Area [ft2]
7.50	2.6600	115870
8.00	2.6600	115870
8.50	2.6600	115870
9.00	2.6600	115870
9.50	2.6600	115870
10.00	2.6600	115870
10.50	2.6600	115870
11.00	2.6600	115870
11.50	2.6600	115870
12.00	2.6600	115870
12.50	2.6600	115870
13.00	2.7300	118919
13.50	3.0100	131116
14.00	3.4800	151589
14.50	3.7300	162479
15.00	3.8200	166399
1.00	0.0000	0

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
B	100y3d	0.64	3.70	0.0005	30.82	15.92	80293
B	10y1d	0.64	3.50	0.0003	19.73	7.55	68454
B	25y3d	0.64	3.60	0.0005	24.76	10.62	74338
B	3Yr1D	0.64	3.34	0.0002	13.70	4.74	58019
B	5y1d	0.64	3.42	0.0002	16.72	6.04	63508

Node: C

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0063	275
1.50	0.1389	6050
2.00	1.2265	53425
2.50	2.8122	122500
3.00	4.3893	191200

Stage [ft]	Area [ac]	Area [ft2]
3.50	6.3298	275725
4.00	9.7475	424600
4.50	13.1020	570725
5.00	14.2579	621075
5.50	14.6602	638600
6.00	14.9621	651750
6.50	15.2606	664750
7.00	15.4775	674200
7.50	15.7283	685125
8.00	16.0629	699700
8.50	16.1903	705250
9.00	16.2001	705675
9.50	16.2001	705675
10.00	16.2001	705675
10.50	16.2001	705675
11.00	16.2001	705675
11.50	16.2001	705675
12.00	16.2001	705675
12.50	16.2001	705675
13.00	16.2471	707725
13.50	16.3309	711375
14.00	16.9984	740450
14.50	21.3705	930900
15.00	22.7715	991925
15.50	22.9218	998475
16.00	23.3701	1018000
16.50	23.4320	1020700
17.00	23.4320	1020700
17.50	23.7161	1033075
18.00	23.8005	1036750

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
C	100y3d	0.00	3.61	0.0006	151.58	120.30	307644
C	10y1d	0.00	3.45	0.0004	90.86	58.77	267216
C	25y3d	0.00	3.53	0.0006	121.18	86.33	285028
C	3Yr1D	0.00	3.33	0.0003	61.34	31.46	246385
C	5y1d	0.00	3.39	0.0004	76.09	44.55	257779

Node: D

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0100	436
2.00	0.0300	1307
2.50	0.0900	3920
3.00	0.2100	9148
3.50	0.5400	23522
4.00	1.2200	53143
4.50	1.7000	74052
5.00	2.2100	96268
5.50	2.6900	117176
6.00	3.0800	134165
6.50	3.6500	158994
7.00	4.4800	195149
7.50	5.1200	223027
8.00	5.4800	238709
8.50	5.6900	247856
9.00	5.7500	250470
9.50	5.7700	251341
10.00	5.7700	251341
10.50	5.7700	251341
11.00	5.7700	251341
11.50	5.7700	251341
12.00	5.7700	251341
12.50	5.7700	251341
13.00	5.7700	251341
13.50	5.7700	251341
14.00	5.7700	251341
14.50	5.7700	251341
15.00	5.7700	251341
15.50	7.7200	336283
16.00	7.7200	336283
16.50	10.1700	443005
1.00	0.0000	0

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
D	100y3d	0.00	3.94	0.0008	81.12	78.15	49715

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
D	10y1d	0.00	3.74	0.0004	49.64	46.68	37884
D	25y3d	0.00	3.85	0.0006	64.70	62.35	44147
D	3Yr1D	0.00	3.62	0.0004	33.79	31.72	30664
D	5y1d	0.00	3.68	0.0005	41.68	39.16	34456

Node: E1

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0200	871
2.00	0.0500	2178
2.50	0.1700	7405
3.00	0.4400	19166
3.50	1.2500	54450
4.00	3.2100	139828
4.50	5.8500	254826
5.00	9.1600	399010
5.50	12.6900	552776
6.00	15.8000	688248
6.50	18.6700	813265
7.00	20.8100	906484
7.50	21.9200	954835
8.00	22.7200	989683
8.50	23.4300	1020611
9.00	24.0000	1045440
9.50	24.3500	1060686
10.00	24.5700	1070269
10.50	24.7600	1078546
11.00	24.9100	1085080
11.50	25.0700	1092049
12.00	25.2600	1100326
12.50	25.4400	1108166
13.00	25.5600	1113394
13.50	25.6400	1116878
14.00	25.6800	1118621
14.50	25.9000	1128204
15.00	27.0500	1178298
15.50	29.3200	1277179
16.00	31.8400	1386950
16.50	33.3800	1454033

Stage [ft]	Area [ac]	Area [ft2]
17.00	34.6100	1507612
17.50	35.0900	1528520
18.00	35.6100	1551172
18.50	35.8800	1562933
19.00	36.2200	1577743
19.50	36.2800	1580357
20.00	36.4800	1589069
20.50	36.5900	1593860
21.00	36.5900	1593860
21.50	36.5900	1593860
22.00	36.6500	1596474
22.50	36.8000	1603008
23.00	36.8600	1605622
23.50	36.9100	1607800
0.50	0.0000	0
1.00	0.0100	436

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E1	100y3d	0.00	4.39	0.0010	291.84	251.66	228934
E1	10y1d	0.00	3.96	0.0010	148.74	123.44	133149
E1	25y3d	0.00	4.22	0.0010	224.06	192.95	190691
E1	3Yr1D	0.00	3.69	0.0009	94.58	78.92	86649
E1	5y1d	0.00	3.83	0.0010	121.33	100.01	111528

Node: E2

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0200	871
2.00	0.0400	1742
2.50	0.1100	4792
3.00	0.2500	10890
3.50	0.4800	20909
4.00	0.8600	37462
4.50	1.5500	67518

Stage [ft]	Area [ac]	Area [ft2]
5.00	2.3600	102802
5.50	3.1200	135907
6.00	3.8300	166835
6.50	4.3300	188615
7.00	4.5200	196891
7.50	4.5900	199940
8.00	4.6400	202118
8.50	4.6700	203425
9.00	4.6800	203861
9.50	4.6800	203861
10.00	4.6800	203861
10.50	4.6800	203861
11.00	4.6800	203861
11.50	4.6800	203861
12.00	4.6800	203861
12.50	4.6800	203861
13.00	4.6800	203861
13.50	4.6800	203861
14.00	4.6800	203861
14.50	4.6800	203861
15.00	4.9500	215622
15.50	5.2600	229126
16.00	5.8100	253084
16.50	6.9900	304484
17.00	7.0700	307969
17.50	7.1800	312761
18.00	7.2200	314503
18.50	7.2700	316681
0.50	0.0000	0
1.00	0.0100	436

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E2	100y3d	0.00	4.49	0.0005	52.36	47.91	66998
E2	10y1d	0.00	4.32	0.0006	28.98	18.70	56952
E2	25y3d	0.00	4.43	0.0005	41.32	34.17	63106
E2	3Yr1D	0.00	4.14	0.0004	18.68	7.33	45597
E2	5y1d	0.00	4.26	0.0005	23.78	12.32	52844

Node: E3

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0100	436
2.50	0.1300	5663
3.00	0.7200	31363
3.50	1.7600	76666
4.00	2.8300	123275
4.50	4.1700	181645
5.00	5.2300	227819
5.50	5.8000	252648
6.00	6.1200	266587
6.50	6.6200	288367
7.00	7.1900	313196
7.50	8.0000	348480
8.00	8.5700	373309
8.50	8.8100	383764
9.00	8.8600	385942
9.50	8.8600	385942
10.00	8.8600	385942
10.50	8.8600	385942
11.00	8.8600	385942
11.50	8.8600	385942
12.00	8.8600	385942
12.50	8.8600	385942
13.00	8.8600	385942
13.50	8.8600	385942
14.00	9.1000	396396
14.50	9.8200	427759
15.00	10.7700	469141
15.50	11.4700	499633
16.00	11.4700	499633
16.50	11.6400	507038
17.00	11.7100	510088
17.50	12.0500	524898
18.00	12.5500	546678
18.50	12.7600	555826

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
E3	100y3d	0.00	4.80	0.0010	250.59	220.79	209733
E3	10y1d	0.00	4.49	0.0005	153.52	128.06	180038
E3	25y3d	0.00	4.67	0.0010	205.88	174.64	197559
E3	3Yr1D	0.00	4.25	0.0004	115.30	90.34	152815
E3	5y1d	0.00	4.38	0.0004	137.61	108.70	167653

Node: F

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.0800	3485
3.50	0.2600	11326
4.00	0.5500	23958
4.50	1.0700	46609
5.00	1.3700	59677
5.50	1.8400	80150
6.00	2.8700	125017
6.50	4.6300	201683
7.00	6.7700	294901
7.50	8.6800	378101
8.00	10.2200	445183
8.50	11.1800	487001
9.00	11.5400	502682
9.50	11.5800	504425
10.00	11.5900	504860
10.50	11.5900	504860
11.00	11.5900	504860
11.50	11.6000	505296
12.00	11.6000	505296
12.50	11.6000	505296
13.00	11.6000	505296
13.50	11.6000	505296
14.00	11.6000	505296
14.50	11.6000	505296
15.00	11.6000	505296
15.50	11.6000	505296
16.00	12.5200	545371
16.50	12.5200	545371

Stage [ft]	Area [ac]	Area [ft2]
17.00	12.5600	547114
17.50	12.5600	547114
18.00	13.2400	576734
18.50	13.9500	607662
19.00	14.2700	621601
19.50	14.3300	624215

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
F	100y3d	0.00	4.20	0.0005	222.89	222.07	32819
F	10y1d	0.00	3.87	0.0007	110.86	110.70	20579
F	25y3d	0.00	4.05	0.0006	170.26	169.77	26379
F	3Yr1D	0.00	3.67	0.0006	62.65	62.51	15547
F	5y1d	0.00	3.77	0.0007	86.59	86.44	18251

Node: G

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0200	871
2.00	0.0300	1307
2.50	0.0500	2178
3.00	0.0800	3485
3.50	0.1500	6534
4.00	0.4400	19166
4.50	1.2100	52708
5.00	2.1200	92347
5.50	2.8400	123710
6.00	3.4200	148975
6.50	4.0000	174240
7.00	4.5400	197762
7.50	5.0100	218236
8.00	5.4000	235224
8.50	5.4800	238709
9.00	5.4800	238709
9.50	5.4800	238709

Stage [ft]	Area [ac]	Area [ft2]
10.00	5.4800	238709
10.50	5.4800	238709
11.00	5.4800	238709
11.50	5.4800	238709
12.00	5.4800	238709
12.50	5.4800	238709
13.00	5.4800	238709
13.50	5.4800	238709
14.00	5.4800	238709
14.50	5.4800	238709
15.00	5.4800	238709
15.50	6.3900	278348
16.00	6.5600	285754
16.50	7.6300	332363
17.00	7.6900	334976
17.50	8.0100	348916
1.00	0.0000	0

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
G	100y3d	0.00	4.83	0.0007	107.01	95.31	79190
G	10y1d	0.00	4.51	0.0004	61.65	53.18	53569
G	25y3d	0.00	4.70	0.0007	86.91	75.34	68453
G	3Yr1D	0.00	4.28	0.0003	40.31	39.01	37972
G	5y1d	0.00	4.41	0.0004	50.91	44.11	46384

Node: H

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.00	0.0000	0
3.50	0.0800	3485
4.00	0.4500	19602
4.50	0.9200	40075
5.00	1.4700	64033
5.50	2.3900	104108

Stage [ft]	Area [ac]	Area [ft2]
6.00	3.4700	151153
6.50	4.6600	202990
7.00	5.4800	238709
7.50	6.0800	264845
8.00	6.1800	269201
8.50	6.1900	269636
9.00	6.1900	269636
9.50	6.1900	269636
10.00	6.1900	269636
10.50	6.1900	269636
11.00	6.1900	269636
11.50	6.1900	269636
12.00	6.1900	269636
12.50	6.1900	269636
13.00	6.1900	269636
13.50	6.1900	269636
14.00	6.1900	269636
14.50	6.1900	269636
15.00	6.1900	269636
15.50	6.6200	288367
16.00	7.4000	322344
16.50	7.4000	322344
17.00	7.4000	322344
17.50	8.1900	356756

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
H	100y3d	0.00	4.90	0.0006	214.23	207.84	59194
H	10y1d	0.00	4.60	0.0004	131.42	127.25	44650
H	25y3d	0.00	4.77	0.0005	175.06	168.67	53049
H	3Yr1D	0.00	4.42	0.0002	96.16	95.47	36868
H	5y1d	0.00	4.51	0.0003	113.85	111.89	40317

Node: I

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0400	1742
2.00	0.0600	2614
2.50	0.0900	3920
3.00	0.2600	11326
3.50	0.4600	20038
4.00	0.8000	34848
4.50	1.4900	64904
5.00	2.1700	94525
5.50	2.6600	115870
6.00	3.1300	136343
6.50	3.5500	154638
7.00	3.8400	167270
7.50	4.0100	174676
8.00	4.1500	180774
8.50	4.3000	187308
9.00	4.3400	189050
9.50	4.3400	189050
10.00	4.3400	189050
10.50	4.3400	189050
11.00	4.3400	189050
11.50	4.3400	189050
12.00	4.3400	189050
12.50	4.3400	189050
13.00	4.3400	189050
13.50	4.3400	189050
14.00	4.3400	189050
14.50	4.4100	192100
15.00	4.5300	197327
15.50	5.4700	238273
16.00	5.4700	238273
16.50	5.4700	238273
17.00	5.5700	242629
17.50	5.9200	257875
18.00	5.9200	257875
18.50	6.3400	276170
0.50	0.0000	0
1.00	0.0100	436

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
I	100y3d	0.00	3.94	0.0003	237.58	237.33	33200
I	10y1d	0.00	3.76	0.0002	144.30	144.21	27637

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
I	25y3d	0.00	3.86	0.0003	192.97	192.79	30704
I	3Yr1D	0.00	3.65	0.0002	100.18	100.13	24350
I	5y1d	0.00	3.70	0.0002	122.42	122.35	26089

Node: J1

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.0000	0
6.50	0.0100	436
7.00	0.2400	10454
7.50	1.1400	49658
8.00	2.0800	90605
8.50	2.7700	120661
9.00	3.2200	140263
9.50	3.5400	154202
10.00	3.8600	168142
10.50	4.0700	177289
11.00	4.3400	189050
11.50	4.8100	209524
12.00	5.3500	233046
12.50	6.0000	261360
13.00	6.4900	282704
13.50	6.7100	292288
14.00	6.9000	300564
14.50	6.9900	304484
15.00	7.0200	305791
15.50	7.0400	306662
16.00	7.0600	307534
16.50	7.0800	308405
17.00	7.0900	308840
17.50	7.1600	311890
18.00	7.3000	317988
18.50	7.4600	324958
19.00	7.4600	324958
19.50	7.4600	324958
20.00	7.5000	326700
20.50	7.5000	326700
21.00	7.5500	328878
21.50	7.8400	341510

Stage [ft]	Area [ac]	Area [ft2]
22.00	8.4400	367646
22.50	8.4400	367646
23.00	8.4400	367646
23.50	8.4800	369389
24.00	8.6300	375923

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J1	100y3d	0.00	7.33	0.0010	65.02	64.42	36395
J1	10y1d	0.00	7.21	0.0010	35.39	34.58	27073
J1	25y3d	0.00	7.28	0.0008	50.95	50.42	32635
J1	3Yr1D	0.00	7.14	0.0010	22.70	22.09	21058
J1	5y1d	0.00	7.18	0.0010	28.95	28.22	24263

Node: J2

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.0000	0
4.00	0.0100	436
4.50	0.0400	1742
5.00	0.1400	6098
5.50	0.4500	19602
6.00	1.1200	48787
6.50	2.1500	93654
7.00	3.4500	150282
7.50	5.3800	234353
8.00	7.4300	323651
8.50	9.7700	425581
9.00	11.6100	505732
9.50	13.3300	580655
10.00	15.0100	653836
10.50	16.3900	713948
11.00	17.7200	771883
11.50	18.4900	805424
12.00	18.9800	826769

Stage [ft]	Area [ac]	Area [ft2]
12.50	19.2800	839837
13.00	19.4500	847242
13.50	19.6900	857696
14.00	20.2800	883397
14.50	20.4700	891673
15.00	20.5700	896029
15.50	20.6300	898643
16.00	20.6400	899078
16.50	20.6500	899514
17.00	21.8500	951786
17.50	21.9300	955271
18.00	22.9000	997524
18.50	23.2400	1012334
19.00	23.5500	1025838
19.50	25.0600	1091614
20.00	25.0900	1092920
20.50	25.4200	1107295
21.00	26.1600	1139530
21.50	26.8400	1169150
22.00	27.0900	1180040
22.50	27.0900	1180040
23.00	27.0900	1180040
23.50	27.0900	1180040
24.00	27.4900	1197464

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J2	100y3d	0.00	5.87	0.0005	139.91	139.01	41167
J2	10y1d	0.00	5.63	0.0005	79.62	79.14	27031
J2	25y3d	0.00	5.76	0.0005	110.24	109.43	35040
J2	3Yr1D	0.00	5.47	0.0005	53.49	53.21	18878
J2	5y1d	0.00	5.56	0.0005	66.42	66.04	22815

Node: J3

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0000	0
3.00	0.0100	436
3.50	0.0400	1742
4.00	0.0800	3485
4.50	0.1100	4792
5.00	0.1400	6098
5.50	0.1800	7841
6.00	0.2400	10454
6.50	0.4300	18731
7.00	1.0400	45302
7.50	2.0900	91040
8.00	3.3400	145490
8.50	5.3600	233482
9.00	8.0400	350222
9.50	10.2600	446926
10.00	11.7700	512701
10.50	13.1200	571507
11.00	14.2100	618988
11.50	15.4100	671260
12.00	16.8500	733986
12.50	17.3900	757508
13.00	17.9400	781466
13.50	18.2800	796277
14.00	18.6800	813701
14.50	18.9800	826769
15.00	19.0400	829382
15.50	19.1000	831996
16.00	19.1600	834610
16.50	19.1600	834610
17.00	19.1600	834610
17.50	19.1600	834610
18.00	19.3200	841579
18.50	19.3200	841579
19.00	19.4900	848984
19.50	19.7600	860746
20.00	22.3300	972695
20.50	23.7100	1032808
21.00	23.7600	1034986
21.50	23.7600	1034986
22.00	24.9200	1085515
22.50	25.4300	1107731
23.00	25.4700	1109473
23.50	25.4800	1109909
24.00	25.9400	1129946

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
J3	100y3d	0.00	5.54	0.0010	163.84	163.74	8076
J3	10y1d	0.00	5.22	0.0010	103.56	103.51	6880
J3	25y3d	0.00	5.40	0.0010	135.26	135.17	7495
J3	3Yr1D	0.00	5.06	0.0010	77.89	77.86	6317
J3	5y1d	0.00	5.14	0.0010	90.79	90.75	6610

Node: K

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.0000	0
4.50	0.0100	436
5.00	0.0300	1307
5.50	0.0600	2614
6.00	0.0800	3485
6.50	0.1200	5227
7.00	0.2100	9148
7.50	0.3900	16988
8.00	0.7100	30928
8.50	1.7300	75359
9.00	3.2400	141134
9.50	4.6200	201247
10.00	5.6500	246114
10.50	6.3600	277042
11.00	6.9600	303178
11.50	7.4700	325393
12.00	7.9600	346738
12.50	8.9300	388991
13.00	9.7300	423839
13.50	10.4100	453460
14.00	11.0300	480467
14.50	11.6600	507910
15.00	12.5200	545371
15.50	14.2700	621601
16.00	15.4800	674309
16.50	16.4600	716998
17.00	16.9800	739649
17.50	17.2400	750974
18.00	17.3300	754895

Stage [ft]	Area [ac]	Area [ft2]
18.50	17.3400	755330
19.00	17.3700	756637
19.50	17.3700	756637
20.00	17.3700	756637
20.50	17.3700	756637
21.00	17.3700	756637
21.50	17.3700	756637
22.00	17.9600	782338
22.50	17.9600	782338
23.00	17.9600	782338
23.50	18.0000	784080
24.00	18.0000	784080
24.50	19.0600	830254
25.00	20.1100	875992
25.50	20.1900	879476
26.00	20.8400	907790

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
K	100y3d	0.00	8.52	0.0010	140.70	139.37	78535
K	10y1d	0.00	8.39	0.0010	79.42	71.90	65299
K	25y3d	0.00	8.47	0.0010	110.96	109.20	73072
K	3Yr1D	0.00	8.21	0.0010	53.08	38.73	49676
K	5y1d	0.00	8.32	0.0010	66.09	55.24	59801

Node: L

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0100	436
2.00	0.0100	436
2.50	0.0900	3920
3.00	1.0800	47045
3.50	6.4900	282704
4.00	14.6300	637283
4.50	26.4800	1153469

Stage [ft]	Area [ac]	Area [ft2]
5.00	39.2900	1711472
5.50	46.2400	2014214
6.00	48.3700	2106997
6.50	49.1000	2138796
7.00	49.3000	2147508
7.50	49.4100	2152300
8.00	49.4400	2153606
8.50	49.4400	2153606
9.00	49.4500	2154042
9.50	49.4500	2154042
10.00	49.4500	2154042
10.50	49.4500	2154042
11.00	49.4500	2154042
11.50	49.4500	2154042
12.00	49.4500	2154042
12.50	49.4500	2154042
13.00	49.4500	2154042
13.50	49.4500	2154042
14.00	50.0700	2181049
14.50	53.6700	2337865
15.00	61.8200	2692879
15.50	68.5700	2986909
16.00	70.4600	3069238
16.50	71.2400	3103214
17.00	71.3800	3109313
17.50	71.3900	3109748
0.50	0.0000	0
1.00	0.0100	436

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
L	100y3d	0.00	4.85	0.0010	726.02	366.51	1544703
L	10y1d	0.00	4.41	0.0010	373.67	166.78	1056858
L	25y3d	0.00	4.66	0.0010	552.20	262.07	1335168
L	3Yr1D	0.00	4.10	0.0010	206.53	98.33	743778
L	5y1d	0.00	4.27	0.0010	292.68	130.73	914420

Node: M

Scenario: SLR

Type: Stage/Area

Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	1.0000	43560
3.50	1.0000	43560
4.00	1.0000	43560
4.50	1.0000	43560
5.00	1.0000	43560
5.50	1.0000	43560
6.00	1.0000	43560
6.50	2.3600	102802
7.00	6.3700	277477
7.50	11.3300	493535
8.00	16.9000	736164
8.50	19.7900	862052
9.00	21.7300	946559
9.50	22.8800	996653
10.00	23.6600	1030630
10.50	23.9700	1044133
11.00	24.1000	1049796
11.50	24.1900	1053716
12.00	24.2200	1055023
12.50	24.2200	1055023
13.00	24.2200	1055023
13.50	24.2200	1055023
14.00	24.2200	1055023
14.50	24.2200	1055023
15.00	24.2800	1057637
15.50	24.2800	1057637
16.00	24.2800	1057637
16.50	24.2800	1057637
17.00	24.6000	1071576
17.50	26.3000	1145628
18.00	30.0800	1310285
18.50	32.8400	1430510
19.00	33.7800	1471457
19.50	35.0100	1525036
20.00	36.1600	1575130
20.50	36.4000	1585584
21.00	36.4600	1588198

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning	Max Stage	Min/Max	Max Total	Max Total	Max Surface

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
M	100y3d	0.00	6.73	0.0064	230.65	218.68	184542
M	10y1d	0.00	6.43	0.0064	98.32	93.85	94739
M	25y3d	0.00	6.60	0.0064	162.58	154.37	138398
M	3Yr1D	0.00	6.24	0.0064	60.86	50.05	72290
M	5y1d	0.00	6.35	0.0064	78.45	72.47	85141

Node: N

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.50 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
7.50	0.0000	0
8.00	0.0300	1307
8.50	0.7000	30492
9.00	2.6000	113256
9.50	4.3700	190357
10.00	7.5600	329314
10.50	11.5300	502247
11.00	13.4500	585882
11.50	14.6800	639461
12.00	15.0200	654271
12.50	15.1100	658192
13.00	15.1500	659934
13.50	15.1600	660370
14.00	15.1700	660805
14.50	15.1700	660805
15.00	15.1800	661241
15.50	15.2100	662548
16.00	15.2100	662548
16.50	15.2100	662548
17.00	15.2100	662548
17.50	15.2100	662548
18.00	15.2100	662548
18.50	15.2500	664290
19.00	15.3800	669953
19.50	15.4800	674309
20.00	16.5200	719611
20.50	16.6700	726145
21.00	18.4900	805424
21.50	20.0600	873814
22.00	20.1800	879041

Stage [ft]	Area [ac]	Area [ft2]
22.50	20.2900	883832
23.00	20.3800	887753

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
N	100y3d	0.00	8.11	0.0187	112.48	112.42	7880
N	10y1d	0.00	7.17	0.0187	55.15	65.03	113
N	25y3d	0.00	7.96	0.0187	86.07	86.06	1218
N	3Yr1D	0.00	6.38	0.0187	43.85	65.03	113
N	5y1d	0.00	6.76	0.0187	44.40	65.03	113

Node: O

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 4.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.0000	0
4.50	0.0100	436
5.00	0.0100	436
5.50	0.0100	436
6.00	0.0200	871
6.50	0.0200	871
7.00	0.0400	1742
7.50	0.0700	3049
8.00	0.1400	6098
8.50	0.3800	16553
9.00	1.6400	71438
9.50	3.0400	132422
10.00	4.8800	212573
10.50	6.1700	268765
11.00	7.1300	310583
11.50	7.7400	337154
12.00	8.1100	353272
12.50	8.1900	356756
13.00	8.2100	357628
13.50	8.2100	357628
14.00	8.2100	357628

Stage [ft]	Area [ac]	Area [ft2]
14.50	8.2800	360677
15.00	8.2800	360677
15.50	8.2800	360677
16.00	8.2800	360677
16.50	8.2800	360677
17.00	8.2800	360677
17.50	8.2800	360677
18.00	8.2800	360677
18.50	8.2800	360677
19.00	8.2800	360677
19.50	8.3800	365033
20.00	9.0100	392476
20.50	10.0800	439085
21.00	10.2900	448232
21.50	10.5200	458251
22.00	10.5200	458251
22.50	10.6900	465656

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
O	100y3d	0.00	7.42	0.0387	89.18	89.12	2855
O	10y1d	0.00	6.82	0.0387	51.40	51.39	1425
O	25y3d	0.00	7.24	0.0387	76.81	76.76	2367
O	3Yr1D	0.00	6.32	0.0387	26.98	43.85	874
O	5y1d	0.00	6.59	0.0387	39.35	43.85	1028

Node: Outfall North

Scenario: SLR
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.80
0	0	0	12.0000	2.80
0	0	0	24.0000	0.80
0	0	0	36.0000	2.80
0	0	0	48.0000	0.80

Year	Month	Day	Hour	Stage [ft]
0	0	0	60.0000	2.80
0	0	0	72.0000	0.80
0	0	0	84.0000	2.80
0	0	0	96.0000	0.80

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Outfall North	100y3d	0.00	2.80	0.0003	1204.59	8.29	0
Outfall North	10y1d	0.00	2.80	0.0002	612.39	1.84	0
Outfall North	25y3d	0.00	2.80	0.0002	912.26	8.96	0
Outfall North	3Yr1D	0.00	2.80	0.0002	373.96	1.84	0
Outfall North	5y1d	0.00	2.80	0.0002	486.87	1.84	0

Node: Outfall South

Scenario: SLR
Type: Time/Stage
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft
Boundary Stage:

Year	Month	Day	Hour	Stage [ft]
0	0	0	0.0000	0.80
0	0	0	12.0000	2.80
0	0	0	24.0000	0.80
0	0	0	36.0000	2.80
0	0	0	48.0000	0.80
0	0	0	60.0000	2.80
0	0	0	72.0000	0.80
0	0	0	84.0000	2.80
0	0	0	96.0000	0.80

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Outfall South	100y3d	0.00	2.80	0.0003	1058.72	12.68	0
Outfall South	10y1d	0.00	2.80	0.0002	519.76	12.68	0
Outfall South	25y3d	0.00	2.80	0.0002	783.55	12.68	0
Outfall South	3Yr1D	0.00	2.80	0.0002	316.73	12.68	0
Outfall South	5y1d	0.00	2.80	0.0002	415.19	12.68	0

Node: P1

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0100	436
2.00	0.0100	436
2.50	0.0200	871
3.00	0.0800	3485
3.50	0.3700	16117
4.00	1.7000	74052
4.50	3.6100	157252
5.00	6.0600	263974
5.50	8.5000	370260
6.00	9.7800	426017
6.50	10.3400	450410
7.00	10.7200	466963
7.50	11.1100	483952
8.00	11.5800	504425
8.50	11.9000	518364
9.00	11.9600	520978
9.50	11.9600	520978
10.00	11.9600	520978
10.50	11.9600	520978
11.00	11.9600	520978
11.50	11.9600	520978
12.00	11.9600	520978
12.50	11.9600	520978
13.00	11.9600	520978
13.50	11.9600	520978
14.00	11.9600	520978
14.50	12.0600	525334
15.00	13.0200	567151
15.50	14.4200	628135
16.00	15.0400	655142

Stage [ft]	Area [ac]	Area [ft2]
16.50	15.6400	681278
17.00	15.7000	683892
17.50	16.0400	698702
18.00	16.3800	713513
18.50	16.6300	724403
19.00	16.6400	724838
1.00	0.0000	0

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P1	100y3d	0.00	4.85	0.0010	131.69	62.08	231680
P1	10y1d	0.00	4.41	0.0010	71.14	56.80	141695
P1	25y3d	0.00	4.66	0.0010	100.75	60.54	192061
P1	3Yr1D	0.00	4.10	0.0010	45.78	36.32	90552
P1	5y1d	0.00	4.27	0.0009	58.31	47.26	118576

Node: P2

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.0700	3049
3.50	0.1300	5663
4.00	0.2200	9583
4.50	0.4100	17860
5.00	1.0900	47480
5.50	1.6400	71438
6.00	2.0300	88427
6.50	2.3300	101495
7.00	2.4700	107593
7.50	2.6400	114998
8.00	2.8500	124146
8.50	2.9800	129809
9.00	2.9900	130244
9.50	3.0000	130680

Stage [ft]	Area [ac]	Area [ft2]
10.00	3.0000	130680
10.50	3.0000	130680
11.00	3.0000	130680
11.50	3.0000	130680
12.00	3.0000	130680
12.50	3.0000	130680
13.00	3.0000	130680
13.50	3.0000	130680
14.00	3.0000	130680
14.50	3.0000	130680
15.00	3.0300	131987
15.50	3.2100	139828
16.00	3.5900	156380
16.50	3.7500	163350
17.00	3.7500	163350
17.50	3.7500	163350
18.00	3.9200	170755
18.50	4.0700	177289
19.00	4.1400	180338

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P2	100y3d	0.00	5.21	0.0008	31.77	21.57	57768
P2	10y1d	0.00	4.97	0.0007	17.40	5.10	45850
P2	25y3d	0.00	5.13	0.0009	24.97	12.68	53640
P2	3Yr1D	0.00	4.56	0.0006	11.07	4.11	21415
P2	5y1d	0.00	4.80	0.0006	14.20	4.39	35501

Node: P3

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0200	871
3.00	0.1300	5663
3.50	0.3000	13068

Stage [ft]	Area [ac]	Area [ft2]
4.00	0.6600	28750
4.50	1.3100	57064
5.00	2.3600	102802
5.50	3.3800	147233
6.00	4.4400	193406
6.50	5.3700	233917
7.00	6.5500	285318
7.50	7.6000	331056
8.00	7.7500	337590
8.50	7.7500	337590
9.00	7.7500	337590
9.50	7.7500	337590
10.00	7.7500	337590
10.50	7.7500	337590
11.00	7.7500	337590
11.50	7.7500	337590
12.00	7.7500	337590
12.50	7.7500	337590
13.00	7.7500	337590
13.50	7.7500	337590
14.00	7.8400	341510
14.50	7.9500	346302
15.00	8.9500	389862
15.50	9.4100	409900
16.00	9.8700	429937
16.50	10.0900	439520
17.00	10.6900	465656
17.50	11.2800	491357
18.00	11.3700	495277

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P3	100y3d	0.00	4.06	0.0011	177.09	175.68	32307
P3	10y1d	0.00	3.77	0.0012	98.97	98.21	21520
P3	25y3d	0.00	3.93	0.0012	139.93	139.03	26647
P3	3Yr1D	0.00	3.61	0.0010	65.81	65.23	16652
P3	5y1d	0.00	3.70	0.0012	82.48	81.78	19213

Node: P4

Scenario: SLR

Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.50	0.0000	0
1.00	0.0100	436
1.50	0.0100	436
2.00	0.0500	2178
2.50	0.3400	14810
3.00	1.3100	57064
3.50	3.1500	137214
4.00	5.3700	233917
4.50	7.3400	319730
5.00	8.3200	362419
5.50	8.7500	381150
6.00	9.0500	394218
6.50	9.2100	401188
7.00	9.3600	407722
7.50	9.4400	411206
8.00	9.4500	411642
8.50	9.4500	411642
9.00	9.4500	411642
9.50	9.4500	411642
10.00	9.4500	411642
10.50	9.4500	411642
11.00	9.4500	411642
11.50	9.4500	411642
12.00	9.4500	411642
12.50	9.4500	411642
13.00	9.4500	411642
13.50	9.4500	411642
14.00	10.2400	446054
14.50	11.5200	501811
15.00	12.5500	546678
15.50	12.8700	560617
16.00	13.2100	575428
16.50	13.3500	581526
17.00	13.4600	586318
17.50	13.5300	589367

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
P4	100y3d	0.00	4.34	0.0010	152.61	57.03	292590
P4	10y1d	0.00	3.98	0.0005	68.94	23.64	229459
P4	25y3d	0.00	4.20	0.0010	110.65	36.86	268942
P4	3Yr1D	0.00	3.65	0.0004	39.47	10.68	167070
P4	5y1d	0.00	3.83	0.0005	53.95	18.36	200497

Node: Q

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
3.50	0.0000	0
4.00	0.0100	436
4.50	0.0100	436
5.00	0.0400	1742
5.50	0.1100	4792
6.00	0.3500	15246
6.50	1.0900	47480
7.00	2.6300	114563
7.50	4.0200	175111
8.00	5.2800	229997
8.50	6.4300	280091
9.00	7.0900	308840
9.50	7.2500	315810
10.00	7.2800	317117
10.50	7.2900	317552
11.00	7.2900	317552
11.50	7.2900	317552
12.00	7.2900	317552
12.50	7.2900	317552
13.00	7.2900	317552
13.50	7.2900	317552
14.00	7.2900	317552
14.50	7.2900	317552
15.00	7.2900	317552
15.50	7.2900	317552
16.00	7.2900	317552
16.50	7.4500	324522
17.00	7.8200	340639
17.50	8.6600	377230
18.00	9.2600	403366

Stage [ft]	Area [ac]	Area [ft2]
18.50	10.5100	457816
19.00	11.2100	488308
19.50	11.2800	491357
20.00	11.8600	516622

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
Q	100y3d	0.00	6.48	0.0010	141.87	132.45	46199
Q	10y1d	0.00	5.26	0.0012	50.68	49.53	3348
Q	25y3d	0.00	6.11	0.0011	96.74	92.58	22475
Q	3Yr1D	0.00	4.27	0.0010	32.77	32.70	447
Q	5y1d	0.00	4.72	0.0012	41.18	40.95	1022

Node: R

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0100	436
3.00	0.0800	3485
3.50	0.5200	22651
4.00	1.5600	67954
4.50	2.6700	116305
5.00	3.5500	154638
5.50	4.2700	186001
6.00	4.7200	205603
6.50	5.2000	226512
7.00	5.6600	246550
7.50	6.0700	264409
8.00	6.3400	276170
8.50	6.7500	294030
9.00	7.0300	306227
9.50	7.1100	309712
10.00	7.1700	312325
10.50	7.2900	317552
11.00	7.3500	320166

Stage [ft]	Area [ac]	Area [ft2]
11.50	7.3500	320166
12.00	7.3500	320166
12.50	7.3500	320166
13.00	7.3500	320166
13.50	7.3500	320166
14.00	7.3500	320166
14.50	7.3800	321473
15.00	7.8500	341946
15.50	8.1800	356321
16.00	8.3200	362419
16.50	8.5900	374180
17.00	8.9600	390298
17.50	9.1100	396832
18.00	9.7200	423403
18.50	10.1500	442134
19.00	10.1500	442134
19.50	10.1500	442134
20.00	10.2100	444748
20.50	10.5600	459994
21.00	10.5600	459994
21.50	10.5600	459994

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
R	100y3d	0.00	4.35	0.0131	82.38	70.35	101629
R	10y1d	0.00	4.04	0.0131	49.11	35.50	72270
R	25y3d	0.00	4.21	0.0131	65.33	51.53	88078
R	3Yr1D	0.00	3.85	0.0131	33.29	23.51	54092
R	5y1d	0.00	3.95	0.0131	41.13	29.36	63877

Node: S

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 5.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0000	0
5.50	0.0100	436

Stage [ft]	Area [ac]	Area [ft2]
6.00	0.0100	436
6.50	0.0300	1307
7.00	0.3100	13504
7.50	1.4400	62726
8.00	2.3700	103237
8.50	4.0900	178160
9.00	7.3600	320602
9.50	10.5200	458251
10.00	13.8300	602435
10.50	16.1400	703058
11.00	17.4500	760122
11.50	18.0300	785387
12.00	18.1700	791485
12.50	18.1900	792356
13.00	18.2100	793228
13.50	18.2200	793663
14.00	18.2200	793663
14.50	18.2300	794099
15.00	18.2300	794099
15.50	18.2300	794099
16.00	18.2400	794534
16.50	18.2700	795841
17.00	18.2700	795841
17.50	18.3100	797584
18.00	18.4500	803682
18.50	18.6500	812394
19.00	18.9800	826769
19.50	19.3700	843757
20.00	20.3100	884704
20.50	22.3400	973130
21.00	23.7300	1033679
21.50	24.1200	1050667

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
S	100y3d	0.00	7.31	0.2156	142.69	248.12	43863
S	10y1d	0.00	6.90	0.2156	77.92	248.12	11170
S	25y3d	0.00	7.17	0.2156	111.98	248.12	30733
S	3Yr1D	0.00	6.50	0.2156	51.42	248.12	1324
S	5y1d	0.00	6.71	0.2156	64.48	248.12	6481

Node: T

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
4.50	0.0000	0
5.00	0.0300	1307
5.50	0.0500	2178
6.00	0.0600	2614
6.50	0.0700	3049
7.00	0.0900	3920
7.50	0.1300	5663
8.00	0.2600	11326
8.50	0.6200	27007
9.00	1.4200	61855
9.50	3.0700	133729
10.00	5.2000	226512
10.50	6.7000	291852
11.00	7.3400	319730
11.50	7.7200	336283
12.00	7.9500	346302
12.50	8.0500	350658
13.00	8.0700	351529
13.50	8.0700	351529
14.00	8.0700	351529
14.50	8.0700	351529
15.00	8.0700	351529
15.50	8.0700	351529
16.00	8.0700	351529
16.50	8.0700	351529
17.00	8.0700	351529
17.50	8.0700	351529
18.00	8.0700	351529
18.50	8.1000	352836
19.00	8.1000	352836
19.50	9.3100	405544
20.00	10.0300	436907
20.50	10.7500	468270
21.00	11.2500	490050
21.50	11.5900	504860
22.00	11.8100	514444

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
T	100y3d	0.00	6.78	0.0889	112.92	112.89	3550
T	10y1d	0.00	6.51	0.0889	101.87	84.70	3077
T	25y3d	0.00	6.68	0.0889	101.88	101.84	3370
T	3Yr1D	0.00	6.26	0.0889	101.87	60.99	2842
T	5y1d	0.00	6.40	0.0889	101.87	73.72	2966

Node: U1

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0400	1742
3.00	0.2800	12197
3.50	0.8000	34848
4.00	1.7100	74488
4.50	2.7600	120226
5.00	3.2500	141570
5.50	3.4000	148104
6.00	3.4500	150282
6.50	3.5100	152896
7.00	3.5200	153331
7.50	3.5200	153331
8.00	3.5200	153331
8.50	3.5200	153331
9.00	3.5200	153331
9.50	3.5200	153331
10.00	3.5200	153331
10.50	3.5200	153331
11.00	3.5200	153331
11.50	3.5200	153331
12.00	3.5200	153331
12.50	3.5200	153331
13.00	3.5200	153331
13.50	3.5200	153331
14.00	3.6700	159865
14.50	4.2500	185130
15.00	4.6600	202990
15.50	5.0800	221285
16.00	5.1900	226076

Stage [ft]	Area [ac]	Area [ft2]
16.50	5.1900	226076
17.00	5.1900	226076
17.50	5.1900	226076
18.00	5.1900	226076
18.50	5.1900	226076
19.00	5.1900	226076
19.50	5.1900	226076
20.00	5.1900	226076
20.50	5.1900	226076

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U1	100y3d	0.00	4.35	0.0024	52.15	31.62	106124
U1	10y1d	0.00	4.00	0.0024	25.49	12.78	74822
U1	25y3d	0.00	4.21	0.0024	38.13	18.91	93914
U1	3Yr1D	0.00	3.78	0.0024	14.38	5.17	57082
U1	5y1d	0.00	3.88	0.0024	19.24	8.44	65268

Node: U2

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
1.50	0.0000	0
2.00	0.0100	436
2.50	0.0500	2178
3.00	0.3100	13504
3.50	1.2900	56192
4.00	2.8800	125453
4.50	4.8200	209959
5.00	6.2900	273992
5.50	6.7700	294901
6.00	7.0400	306662
6.50	7.1900	313196
7.00	7.3200	318859
7.50	7.4800	325829
8.00	7.7300	336719

Stage [ft]	Area [ac]	Area [ft2]
8.50	7.9900	348044
9.00	8.6000	374616
9.50	9.3000	405108
10.00	9.9200	432115
10.50	10.0900	439520
11.00	10.1100	440392
11.50	10.1100	440392
12.00	10.1100	440392
12.50	10.1100	440392
13.00	10.1100	440392
13.50	10.1100	440392
14.00	10.3000	448668
14.50	11.0000	479160
15.00	12.3200	536659
15.50	12.7500	555390
16.00	12.8600	560182
16.50	12.8600	560182
17.00	12.9600	564538
17.50	13.0700	569329
18.00	13.0700	569329
18.50	13.3800	582833
19.00	13.3800	582833
19.50	13.3800	582833
20.00	13.5800	591545
20.50	13.7400	598514
0.50	0.0000	0

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U2	100y3d	0.00	4.35	0.0006	92.65	68.66	184931
U2	10y1d	0.00	4.15	0.0006	50.85	27.30	150200
U2	25y3d	0.00	4.26	0.0007	73.08	47.02	169940
U2	3Yr1D	0.00	3.97	0.0005	32.78	11.98	121394
U2	5y1d	0.00	4.07	0.0005	41.72	18.90	138101

Node: U3

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 2.00 ft

Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.00	0.0000	0
2.50	0.0100	436
3.00	0.0300	1307
3.50	0.2600	11326
4.00	0.8100	35284
4.50	1.3400	58370
5.00	1.7800	77537
5.50	2.0500	89298
6.00	2.2000	95832
6.50	2.3400	101930
7.00	2.5700	111949
7.50	2.7500	119790
8.00	2.9200	127195
8.50	3.3000	143748
9.00	3.8500	167706
9.50	4.3100	187744
10.00	4.5400	197762
10.50	4.5800	199505
11.00	4.5900	199940
11.50	4.5900	199940
12.00	4.5900	199940

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
U3	100y3d	0.00	4.35	0.0176	51.47	36.15	51480
U3	10y1d	0.00	3.98	0.0176	29.58	22.60	34542
U3	25y3d	0.00	4.21	0.0176	41.25	28.46	44973
U3	3Yr1D	0.00	3.60	0.0176	19.98	20.09	15913
U3	5y1d	0.00	3.82	0.0176	24.68	20.09	26481

Node: V

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
5.00	0.0000	0
5.50	0.0100	436
6.00	0.0800	3485
6.50	0.2400	10454
7.00	0.3300	14375
7.50	0.4700	20473
8.00	0.6400	27878
8.50	1.2400	54014
9.00	2.1200	92347
9.50	3.1300	136343
10.00	4.0100	174676
10.50	4.6800	203861
11.00	5.2000	226512
11.50	5.4600	237838
12.00	5.6300	245243
12.50	5.7700	251341
13.00	5.8400	254390
13.50	5.9200	257875
14.00	5.9900	260924
14.50	6.0600	263974
15.00	6.0800	264845
15.50	6.0900	265280
16.00	6.0900	265280
16.50	6.0900	265280
17.00	6.0900	265280
17.50	6.0900	265280
18.00	6.0900	265280
18.50	6.0900	265280
19.00	6.0900	265280
19.50	6.0900	265280
20.00	6.1400	267458
20.50	6.3900	278348
21.00	6.9000	300564
21.50	6.9000	300564
22.00	6.9000	300564
22.50	6.9000	300564
23.00	6.9000	300564
23.50	6.9000	300564
24.00	6.9000	300564
24.50	6.9100	301000

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
V	100y3d	0.00	6.81	0.0990	115.18	94.77	12887
V	10y1d	0.00	6.60	0.0990	115.18	60.48	11226
V	25y3d	0.00	6.72	0.0990	115.18	81.42	12216
V	3Yr1D	0.00	6.43	0.0990	115.18	34.21	9468
V	5y1d	0.00	6.53	0.0990	115.18	48.46	10660

Node: W

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.80 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
2.50	0.0000	0
3.00	0.0100	436
3.50	0.0600	2614
4.00	0.5900	25700
4.50	1.5800	68825
5.00	2.7600	120226
5.50	3.5100	152896
6.00	3.7900	165092
6.50	3.9700	172933
7.00	4.1400	180338
7.50	4.4300	192971
8.00	4.7300	206039
8.50	5.1400	223898
9.00	5.4800	238709
9.50	5.8600	255262
10.00	5.9600	259618
10.50	6.0000	261360
11.00	6.0200	262231
11.50	6.0400	263102
12.00	6.0600	263974
12.50	6.0600	263974
13.00	6.0600	263974
13.50	6.0600	263974
14.00	6.0600	263974
14.50	6.0600	263974
15.00	6.1500	267894
15.50	6.3100	274864
16.00	6.3100	274864
16.50	6.3100	274864
17.00	6.3100	274864

Stage [ft]	Area [ac]	Area [ft2]
17.50	6.4000	278784
18.00	6.4100	279220
18.50	6.4600	281398
19.00	6.5700	286189
19.50	6.5700	286189
20.00	6.5900	287060
20.50	6.6500	289674

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W	100y3d	0.00	4.85	0.0139	155.13	124.12	105091
W	10y1d	0.00	4.41	0.0139	98.62	93.94	61000
W	25y3d	0.00	4.67	0.0139	117.55	95.62	85888
W	3Yr1D	0.00	4.10	0.0139	70.41	69.89	34561
W	5y1d	0.00	4.27	0.0139	85.63	83.72	49044

Node: W1

Scenario: SLR
Type: Stage/Area
Base Flow: 0.00 cfs
Initial Stage: 0.00 ft
Warning Stage: 0.00 ft

Stage [ft]	Area [ac]	Area [ft2]
0.00	0.1000	4356
20.00	0.2000	8712

Comment:

Node Max Conditions [SLR]

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W1	100y3d	0.00	7.31	0.0025	108.78	34.03	5986
W1	10y1d	0.00	6.69	0.0025	108.78	32.01	5851
W1	25y3d	0.00	7.18	0.0025	108.78	33.69	5956
W1	3Yr1D	0.00	6.07	0.0025	108.78	29.42	5717

Node Name	Sim Name	Warning Stage [ft]	Max Stage [ft]	Min/Max Delta Stage [ft]	Max Total Inflow [cfs]	Max Total Outflow [cfs]	Max Surface Area [ft2]
W1	5y1d	0.00	6.38	0.0025	108.78	30.82	5784

Weir Link: A_offsite

Scenario:	Existing
From Node:	A
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	2.40 ft
Control Elevation:	0.00 ft
Cross Section:	A_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A_offsite	100y3d	169.30	0.00	0.14	2.08	2.08	2.08
A_offsite	10y1d	86.11	0.00	-0.03	1.89	1.89	1.89
A_offsite	25y3d	129.88	0.00	0.12	2.01	2.01	2.01
A_offsite	3Yr1D	51.04	0.00	0.03	1.75	1.75	1.75
A_offsite	5y1d	68.41	0.00	-0.03	1.83	1.83	1.83

Weir Link: B_C

Scenario:	Existing
From Node:	B
To Node:	C
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.00 ft
Control Elevation:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800

Cross Section: B_C

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_C	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
B_C	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: B_offsite-P

		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.97 ft	Invert:	-2.81 ft
From Node:	B	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	131.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_offsite-P	100y3d	4.43	-0.01	-0.14	5.64	5.64	5.64
B_offsite-P	10y1d	4.22	-0.01	-0.14	5.37	5.37	5.37
B_offsite-P	25y3d	4.34	-0.01	-0.14	5.53	5.53	5.53
B_offsite-P	3Yr1D	3.98	-0.01	-0.14	5.07	5.07	5.07
B_offsite-P	5y1d	4.12	-0.01	-0.14	5.24	5.24	5.24

Weir Link: B_offsite-W

Scenario:	Existing	**Bottom Clip**	
From Node:	B	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	2.80 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	B_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_offsite-W	100y3d	10.67	0.00	0.02	1.74	1.74	1.74
B_offsite-W	10y1d	2.98	0.00	0.00	1.63	1.63	1.63
B_offsite-W	25y3d	5.87	0.00	0.01	1.74	1.74	1.74
B_offsite-W	3Yr1D	0.41	0.00	0.00	0.88	0.88	0.88
B_offsite-W	5y1d	1.65	0.00	0.00	1.35	1.35	1.35

Weir Link: C_D

Scenario:	Existing	**Bottom Clip**	
From Node:	C	Default:	0.00 ft
To Node:	D	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	C_D	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_D	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
C_D	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: C_J1

Scenario:	Existing	**Bottom Clip**	
From Node:	C	Default:	0.00 ft
To Node:	J1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.40 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	C_J1	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_J1	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: C_offsite

Scenario:	Existing	**Bottom Clip**	
From Node:	C	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	1.40 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	C_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite	100y3d	129.81	0.00	-0.14	1.71	1.71	1.71
C_offsite	10y1d	65.59	0.00	0.03	1.51	1.51	1.51
C_offsite	25y3d	99.65	0.00	-0.06	1.63	1.63	1.63
C_offsite	3Yr1D	37.67	0.00	0.02	1.38	1.38	1.38
C_offsite	5y1d	51.47	0.00	-0.03	1.45	1.45	1.45

Pipe Link: C_offsite1		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.31 ft	Invert:	-3.28 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite1	100y3d	1.26	0.00	-0.01	2.32	2.32	2.32
C_offsite1	10y1d	1.26	0.00	-0.01	2.32	2.32	2.32
C_offsite1	25y3d	1.26	0.00	-0.01	2.32	2.32	2.32
C_offsite1	3Yr1D	1.26	0.00	-0.01	2.32	2.32	2.32
C_offsite1	5y1d	1.26	0.00	-0.01	2.32	2.32	2.32

Pipe Link: C_offsite2		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.81 ft	Invert:	-1.82 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	92.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite2	100y3d	2.30	0.00	-0.06	2.93	3.33	3.13
C_offsite2	10y1d	2.30	0.00	-0.06	2.93	3.33	3.13
C_offsite2	25y3d	2.30	0.00	-0.06	2.93	3.33	3.13
C_offsite2	3Yr1D	2.30	0.00	-0.06	2.93	3.33	3.13
C_offsite2	5y1d	2.30	0.00	-0.06	2.93	3.33	3.13

Pipe Link: C_offsite3		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	91.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite3	100y3d	2.36	0.00	-0.04	3.00	3.00	3.00
C_offsite3	10y1d	2.36	0.00	-0.04	3.00	3.00	3.00
C_offsite3	25y3d	2.36	0.00	-0.04	3.00	3.00	3.00
C_offsite3	3Yr1D	2.36	0.00	-0.04	3.00	3.00	3.00
C_offsite3	5y1d	2.36	0.00	-0.04	3.00	3.00	3.00

Pipe Link: C_offsite4		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite4	100y3d	5.40	0.00	-0.14	6.88	6.88	6.88
C_offsite4	10y1d	5.40	0.00	-0.14	6.88	6.88	6.88
C_offsite4	25y3d	5.40	0.00	-0.14	6.88	6.88	6.88
C_offsite4	3Yr1D	5.40	0.00	-0.14	6.88	6.88	6.88
C_offsite4	5y1d	5.40	0.00	-0.14	6.88	6.88	6.88

Pipe Link: C_offsite5		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite5	100y3d	5.32	0.00	-0.14	6.78	6.78	6.78
C_offsite5	10y1d	5.32	0.00	-0.14	6.78	6.78	6.78
C_offsite5	25y3d	5.32	0.00	-0.14	6.78	6.78	6.78
C_offsite5	3Yr1D	5.32	0.00	-0.14	6.78	6.78	6.78
C_offsite5	5y1d	5.32	0.00	-0.14	6.78	6.78	6.78

Pipe Link: C_offsite6		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2
n for iron pipe

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite6	100y3d	3.33	0.00	-0.05	6.16	6.16	6.16
C_offsite6	10y1d	3.33	0.00	-0.05	6.16	6.16	6.16
C_offsite6	25y3d	3.33	0.00	-0.05	6.16	6.16	6.16
C_offsite6	3Yr1D	3.33	0.00	-0.05	6.16	6.16	6.16
C_offsite6	5y1d	3.33	0.00	-0.05	6.16	6.16	6.16

Drop Structure Link: CyprCkE		Upstream Pipe		Downstream Pipe	
Scenario:	Existing	Invert:	-0.60 ft	Invert:	-0.60 ft
From Node:	A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	104.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both		

Damping:	0.0000 ft		
Weir Type:	Sharp Crested Vertical	Ref Node:	
Geometry Type:	Rectangular	**Top Clip**	
Invert:	2.40 ft	Default:	0.00 ft
Control Elevation:	1.00 ft	Op Table:	
Max Depth:	3.00 ft	Ref Node:	
Max Width:	6.00 ft	**Discharge Coefficients**	
Fillet:	0.00 ft	Weir Default:	3.200
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CyprCkE - Pipe	100y3d	6.01	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	100y3d	6.01	0.00	0.00	2.00	2.00	2.00
CyprCkE - Pipe	10y1d	5.35	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	10y1d	5.35	0.00	0.00	1.96	1.96	1.96
CyprCkE - Pipe	25y3d	5.75	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	25y3d	5.75	0.00	0.00	1.97	1.97	1.97
CyprCkE - Pipe	3Yr1D	4.87	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	3Yr1D	4.87	0.00	0.01	1.95	1.95	1.95
CyprCkE - Pipe	5y1d	5.12	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	5y1d	5.12	0.00	0.00	1.95	1.95	1.95

Weir Link: D_F

Scenario:	Existing	**Bottom Clip**	
From Node:	D	Default:	0.00 ft
To Node:	F	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	7.00 ft
Control Elevation:	0.00 ft
Cross Section:	D_F

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_F	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
D_F	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: D_J2

Scenario:	Existing
From Node:	D
To Node:	J2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	6.60 ft
Control Elevation:	0.00 ft
Cross Section:	D_J2

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_J2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: D_offsite

Scenario:	Existing
From Node:	D
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	1.90 ft
Control Elevation:	0.00 ft
Cross Section:	D_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite	100y3d	74.45	0.00	-0.12	2.28	2.28	2.28
D_offsite	10y1d	42.71	0.00	0.02	1.98	1.98	1.98
D_offsite	25y3d	58.18	0.00	-0.10	2.13	2.13	2.13
D_offsite	3Yr1D	27.41	0.00	-0.01	1.79	1.79	1.79
D_offsite	5y1d	34.99	0.00	-0.02	1.89	1.89	1.89

Pipe Link: D_offsite1

Scenario:	Existing
From Node:	D
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft

Upstream		Downstream	
Invert:	-0.39 ft	Invert:	-0.39 ft
Manning's N:	0.0240	Manning's N:	0.0240
Geometry: Circular		Geometry: Circular	
Max Depth:	1.25 ft	Max Depth:	1.25 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft

Length:	163.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite1	100y3d	3.59	0.00	0.00	2.93	3.58	2.93
D_offsite1	10y1d	3.39	0.00	0.00	2.77	3.48	2.77
D_offsite1	25y3d	3.50	0.00	0.00	2.85	3.48	2.85
D_offsite1	3Yr1D	3.26	0.00	0.00	2.66	3.48	2.66
D_offsite1	5y1d	3.33	0.00	0.00	2.71	3.48	2.71

Pipe Link: D_offsite2		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.83 ft	Invert:	-0.83 ft
From Node:	D	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.67 ft	Max Depth:	0.67 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite2	100y3d	1.90	-0.01	0.00	5.38	5.38	5.38

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite2	10y1d	1.79	-0.01	0.00	5.08	5.08	5.08
D_offsite2	25y3d	1.85	-0.01	0.00	5.23	5.23	5.23
D_offsite2	3Yr1D	1.72	-0.01	0.00	4.88	4.88	4.88
D_offsite2	5y1d	1.76	-0.01	0.00	4.99	4.99	4.99

Weir Link: E1_E2

Scenario:	Existing	**Bottom Clip**	
From Node:	E1	Default:	0.00 ft
To Node:	E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E1_E2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E2	100y3d	0.00	-16.04	-0.05	-1.40	-1.40	-1.40
E1_E2	10y1d	0.00	-1.39	0.00	0.00	0.00	0.00
E1_E2	25y3d	0.00	-8.50	-0.03	0.00	0.00	0.00
E1_E2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E1_E2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E1_E3

Scenario:	Existing	**Bottom Clip**	
From Node:	E1	Default:	0.00 ft
To Node:	E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular		
Invert:	7.20 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	E1_E3	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E1_F-P		Upstream		Downstream	
Scenario:	Existing	Invert:	0.73 ft	Invert:	0.73 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	F	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	61.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-P	100y3d	17.02	-28.01	0.15	-4.16	-6.61	-5.31
E1_F-P	10y1d	0.00	-26.61	0.08	-4.05	-6.48	-5.18

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-P	25y3d	13.47	-27.21	0.10	-4.10	-6.54	-5.24
E1_F-P	3Yr1D	0.00	-26.02	0.08	-4.00	-6.42	-5.12
E1_F-P	5y1d	0.00	-26.32	0.08	-4.02	-6.45	-5.15

Weir Link: E1_F-W

Scenario:	Existing	**Bottom Clip**	
From Node:	E1	Default:	0.00 ft
To Node:	F	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.50 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E1_F	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-W	100y3d	33.57	-2.62	-0.04	2.06	2.06	2.06
E1_F-W	10y1d	0.00	-1.79	0.00	-0.93	-0.93	-0.93
E1_F-W	25y3d	17.92	-1.78	0.03	1.67	1.67	1.67
E1_F-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E1_F-W	5y1d	0.00	-0.39	0.00	0.00	0.00	0.00

Weir Link: E1_offsite

Scenario:	Existing	**Bottom Clip**	
From Node:	E1	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	3.20 ft
Control Elevation:	0.00 ft
Cross Section:	E1_offsite

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite	100y3d	66.17	0.00	0.09	2.02	2.02	2.02
E1_offsite	10y1d	6.61	0.00	-0.01	1.62	1.62	1.62
E1_offsite	25y3d	31.59	0.00	0.05	1.79	1.79	1.79
E1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E1_offsite	5y1d	1.85	0.00	0.00	1.35	1.35	1.35

Pipe Link: E1_offsite1		Upstream		Downstream	
Scenario:	Existing	Invert:	0.04 ft	Invert:	-1.65 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite1	100y3d	28.90	0.00	0.46	9.20	9.20	9.20
E1_offsite1	10y1d	26.46	0.00	-0.25	8.42	8.42	8.42
E1_offsite1	25y3d	27.98	0.00	0.33	8.91	8.91	8.91

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite1	3Yr1D	23.38	0.00	-0.12	7.44	7.44	7.44
E1_offsite1	5y1d	25.35	0.00	-0.20	8.07	8.07	8.07

Pipe Link: E1_offsite2		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.19 ft	Invert:	-2.62 ft
From Node:	E1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite2	100y3d	15.08	-0.01	-1.13	8.53	8.53	8.53
E1_offsite2	10y1d	13.81	-0.01	-0.42	7.81	7.81	7.81
E1_offsite2	25y3d	14.60	-0.01	-0.53	8.26	8.26	8.26
E1_offsite2	3Yr1D	12.20	-0.01	-0.30	6.90	6.90	6.90
E1_offsite2	5y1d	13.23	-0.01	-0.54	7.49	7.49	7.49

Pipe Link: E1_offsite3		Upstream		Downstream	
Scenario:	Existing	Invert:	0.73 ft	Invert:	-4.02 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite3	100y3d	6.76	0.00	-0.42	8.61	12.64	8.98
E1_offsite3	10y1d	6.19	0.00	-0.12	7.88	7.88	7.88
E1_offsite3	25y3d	6.55	0.00	-0.28	8.33	8.33	8.33
E1_offsite3	3Yr1D	5.47	0.00	-0.03	6.96	6.96	6.96
E1_offsite3	5y1d	5.93	0.00	-0.06	7.55	7.55	7.55

Pipe Link: E1_offsite4		Upstream		Downstream	
Scenario:	Existing	Invert:	0.20 ft	Invert:	-2.91 ft
From Node:	E1	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite4	100y3d	3.20	0.00	0.02	4.07	4.07	4.07
E1_offsite4	10y1d	2.93	0.00	0.00	3.73	3.73	3.73
E1_offsite4	25y3d	3.09	0.00	-0.02	3.94	3.94	3.94

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite4	3Yr1D	2.59	0.00	0.00	3.29	3.29	3.29
E1_offsite4	5y1d	2.80	0.00	0.00	3.57	3.57	3.57

Pipe Link: E1_offsite5		Upstream		Downstream	
Scenario:	Existing	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite5	100y3d	4.28	0.00	0.18	7.91	7.91	7.91
E1_offsite5	10y1d	3.92	0.00	-0.08	7.25	7.25	7.25
E1_offsite5	25y3d	4.15	0.00	0.12	7.66	7.66	7.66
E1_offsite5	3Yr1D	3.46	0.00	-0.03	6.40	6.40	6.40
E1_offsite5	5y1d	3.76	0.00	-0.05	6.94	6.94	6.94

Pipe Link: E1_offsite6		Upstream		Downstream	
Scenario:	Existing	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite6	100y3d	1.19	0.00	-0.06	6.07	6.90	6.07
E1_offsite6	10y1d	1.09	0.00	-0.03	5.56	5.56	5.56
E1_offsite6	25y3d	1.15	0.00	-0.03	5.88	5.88	5.88
E1_offsite6	3Yr1D	0.96	0.00	-0.02	4.91	4.91	4.91
E1_offsite6	5y1d	1.05	0.00	-0.04	5.32	5.32	5.32

Pipe Link: E1_offsite7		Upstream		Downstream	
Scenario:	Existing	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	44.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite7	100y3d	60.09	0.00	1.80	12.24	12.24	12.24
E1_offsite7	10y1d	55.02	0.00	-0.65	11.21	11.21	11.21
E1_offsite7	25y3d	58.18	0.00	1.96	11.85	11.85	11.85

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite7	3Yr1D	48.62	0.00	-1.13	9.90	9.90	9.90
E1_offsite7	5y1d	52.71	0.00	-0.87	10.74	10.74	10.74

Weir Link: E2_offsite

Scenario:	Existing	**Bottom Clip**	
From Node:	E2	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E2_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite	100y3d	16.04	0.00	0.05	1.40	1.40	1.40
E2_offsite	10y1d	1.39	0.00	0.00	0.97	0.97	0.97
E2_offsite	25y3d	8.50	0.00	0.03	1.25	1.25	1.25
E2_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E2_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E2_offsite1

		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.20 ft	Invert:	-4.24 ft
From Node:	E2	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	136.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite1	100y3d	6.74	-0.01	0.22	8.58	8.94	8.58
E2_offsite1	10y1d	6.57	-0.01	-0.10	8.36	8.94	8.36
E2_offsite1	25y3d	6.67	-0.01	0.17	8.50	8.94	8.50
E2_offsite1	3Yr1D	5.96	-0.01	-0.04	7.59	8.94	7.59
E2_offsite1	5y1d	6.35	-0.01	-0.08	8.09	8.94	8.09

Pipe Link: E2_offsite2		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.20 ft	Invert:	-4.24 ft
From Node:	E2	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.66 ft	Max Depth:	0.66 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	116.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite2	100y3d	2.55	-0.01	-0.28	7.46	10.60	7.81
E2_offsite2	10y1d	2.49	-0.01	-0.28	7.27	10.60	7.81
E2_offsite2	25y3d	2.53	-0.01	-0.28	7.38	10.60	7.81
E2_offsite2	3Yr1D	2.26	-0.01	-0.28	6.60	10.60	7.81

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite2	5y1d	2.40	-0.01	-0.28	7.03	10.60	7.81

Weir Link: E3_E2

Scenario:	Existing	**Bottom Clip**	
From Node:	E3	Default:	0.00 ft
To Node:	E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.20 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_E2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_E2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E3_F

Scenario:	Existing	**Bottom Clip**	
From Node:	E3	Default:	0.00 ft
To Node:	F	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800

Cross Section: E3_F

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_F	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E3_G-P		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.72 ft	Invert:	-0.72 ft
From Node:	E3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	G	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_G-P	100y3d	4.07	-5.09	-0.35	-4.15	-4.15	-4.15
E3_G-P	10y1d	4.07	-4.78	-0.35	-3.89	-3.89	-3.89
E3_G-P	25y3d	4.07	-5.26	-0.35	-4.29	-4.29	-4.29
E3_G-P	3Yr1D	4.07	-4.88	-0.35	-3.98	-3.98	-3.98
E3_G-P	5y1d	4.07	-4.78	-0.35	-3.90	-3.90	-3.90

Weir Link: E3_G-W

Scenario:	Existing	**Bottom Clip**	
From Node:	E3	Default:	0.00 ft
To Node:	G	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_G	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_G-W	100y3d	0.00	-93.48	-0.07	-1.58	-1.58	-1.58
E3_G-W	10y1d	0.00	-51.73	-0.02	-1.59	-1.59	-1.59
E3_G-W	25y3d	0.00	-73.29	-0.06	-1.60	-1.60	-1.60
E3_G-W	3Yr1D	0.00	-36.06	-0.02	-1.44	-1.44	-1.44
E3_G-W	5y1d	0.00	-46.17	-0.02	-1.54	-1.54	-1.54

Weir Link: E3_H

Scenario:	Existing	**Bottom Clip**	
From Node:	E3	Default:	0.00 ft
To Node:	H	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.40 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_H	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_H	100y3d	0.00	-73.65	0.04	-2.55	-2.55	-2.55
E3_H	10y1d	0.00	-60.02	-0.02	-2.54	-2.54	-2.54
E3_H	25y3d	0.00	-67.21	0.02	-2.55	-2.55	-2.55
E3_H	3Yr1D	0.00	-47.59	0.02	-2.46	-2.46	-2.46
E3_H	5y1d	0.00	-54.29	0.02	-2.51	-2.51	-2.51

Weir Link: E3_J3

Scenario:	Existing	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.40 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E3_offsite

Scenario:	Existing	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	3.90 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	E3_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite	100y3d	70.05	0.00	0.11	1.86	1.86	1.86
E3_offsite	10y1d	13.67	0.00	0.01	1.52	1.52	1.52
E3_offsite	25y3d	39.11	0.00	0.07	1.72	1.72	1.72
E3_offsite	3Yr1D	2.26	0.00	0.00	1.21	1.21	1.21
E3_offsite	5y1d	6.50	0.00	-0.01	1.41	1.41	1.41

Pipe Link: E3_offsite1		Upstream		Downstream	
Scenario:	Existing	Invert:	0.49 ft	Invert:	-1.77 ft
From Node:	E3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	143.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite1	100y3d	14.59	0.00	-2.07	8.26	8.26	8.26
E3_offsite1	10y1d	13.98	0.00	1.37	7.91	7.91	7.91
E3_offsite1	25y3d	14.33	0.00	1.49	8.11	8.11	8.11
E3_offsite1	3Yr1D	13.46	0.00	-0.71	7.62	7.62	7.62
E3_offsite1	5y1d	13.75	0.00	1.05	7.78	7.78	7.78

Pipe Link: E3_offsite2		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.83 ft	Invert:	-2.48 ft
From Node:	E3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	114.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite2	100y3d	15.80	-0.01	2.64	8.94	8.94	8.94
E3_offsite2	10y1d	15.13	-0.01	-2.53	8.56	8.56	8.56
E3_offsite2	25y3d	15.52	-0.01	-1.86	8.78	8.78	8.78
E3_offsite2	3Yr1D	14.57	-0.01	-1.54	8.24	8.24	8.24
E3_offsite2	5y1d	14.88	-0.01	-1.39	8.42	8.42	8.42

Weir Link: F_J2			
Scenario:	Existing	Bottom Clip	
From Node:	F	Default:	0.00 ft
To Node:	J2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	4.70 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	F_J2	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J2	100y3d	0.00	-73.08	-0.06	0.00	0.00	0.00
F_J2	10y1d	0.00	-36.43	-0.01	0.00	0.00	0.00
F_J2	25y3d	0.00	-54.11	-0.04	0.00	0.00	0.00
F_J2	3Yr1D	0.00	-23.04	-0.01	0.00	0.00	0.00
F_J2	5y1d	0.00	-29.47	0.01	0.00	0.00	0.00

Weir Link: F_J3

Scenario:	Existing	Bottom Clip	
From Node:	F	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.70 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	F_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: F_offsite-P		Upstream		Downstream	
Scenario:	Existing	Invert:	0.13 ft	Invert:	0.13 ft
From Node:	F	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_offsite-P	100y3d	19.06	0.00	-0.05	10.79	11.06	10.92
F_offsite-P	10y1d	17.44	0.00	-0.05	9.87	10.12	9.99
F_offsite-P	25y3d	18.47	0.00	-0.05	10.45	10.71	10.58
F_offsite-P	3Yr1D	16.26	0.00	-0.05	9.20	9.43	9.31
F_offsite-P	5y1d	16.91	0.00	-0.05	9.57	9.81	9.69

Weir Link: F_offsite-W			
Scenario:	Existing	Bottom Clip	
From Node:	F	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.10 ft
Control Elevation:	0.00 ft
Cross Section:	F_offsite

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_offsite-W	100y3d	182.53	0.00	0.15	2.46	2.46	2.46
F_offsite-W	10y1d	59.25	0.00	0.04	1.84	1.84	1.84
F_offsite-W	25y3d	128.42	0.00	0.11	2.23	2.23	2.23
F_offsite-W	3Yr1D	13.60	0.00	0.03	1.27	1.27	1.27
F_offsite-W	5y1d	34.65	0.00	-0.05	1.60	1.60	1.60

Weir Link: G_J3

Scenario:	Existing
From Node:	G
To Node:	J3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	6.50 ft
Control Elevation:	0.00 ft
Cross Section:	G_J3

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
G_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
G_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: H_G

Scenario:	Existing	Bottom Clip	
From Node:	H	Default:	0.00 ft
To Node:	G	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.80 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	H_G	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_G	100y3d	57.88	0.00	-0.04	2.10	2.10	2.10
H_G	10y1d	35.04	0.00	-0.01	2.03	2.03	2.03
H_G	25y3d	48.28	0.00	0.03	2.09	2.09	2.09
H_G	3Yr1D	23.33	0.00	0.01	1.86	1.86	1.86
H_G	5y1d	29.03	0.00	0.01	1.96	1.96	1.96

Weir Link: H_I

Scenario:	Existing	Bottom Clip	
From Node:	H	Default:	0.00 ft
To Node:	I	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	3.80 ft
Control Elevation:	0.00 ft
Cross Section:	H_I

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_I	100y3d	77.76	0.00	0.07	2.35	2.35	2.35
H_I	10y1d	35.20	0.00	-0.01	2.19	2.19	2.19
H_I	25y3d	55.93	0.00	0.05	2.32	2.32	2.32
H_I	3Yr1D	24.01	0.00	-0.01	2.01	2.01	2.01
H_I	5y1d	29.03	0.00	-0.01	2.10	2.10	2.10

Weir Link: H_J3

Scenario:	Existing
From Node:	H
To Node:	J3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.90 ft
Control Elevation:	0.00 ft
Cross Section:	H_J3

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_J3	100y3d	0.00	-163.74	-0.08	-3.11	-3.11	-3.11
H_J3	10y1d	0.00	-103.51	-0.03	-2.74	-2.74	-2.74
H_J3	25y3d	0.00	-135.17	-0.06	-2.95	-2.95	-2.95
H_J3	3Yr1D	0.00	-77.86	0.02	-2.56	-2.56	-2.56

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_J3	5y1d	0.00	-90.75	-0.03	-2.65	-2.65	-2.65

Weir Link: I_E3

Scenario:	Existing
From Node:	I
To Node:	E3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.00 ft
Control Elevation:	0.00 ft
Cross Section:	I_E3

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_E3	100y3d	1.39	-117.64	-0.07	-3.59	-3.59	-3.59
I_E3	10y1d	2.01	-81.60	-0.03	-3.18	-3.18	-3.18
I_E3	25y3d	1.35	-102.69	-0.06	-3.43	-3.43	-3.43
I_E3	3Yr1D	2.97	-57.20	-0.04	-2.83	-2.83	-2.83
I_E3	5y1d	2.63	-70.27	0.04	-3.02	-3.02	-3.02

Weir Link: I_J3

Scenario:	Existing
From Node:	I
To Node:	J3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	7.70 ft
Control Elevation:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800

Cross Section: I_J3

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: I_offsite

Scenario: Existing
From Node: I
To Node: Outfall North
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.00 ft
Control Elevation: 0.00 ft
Cross Section: I_offsite

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_offsite	100y3d	228.52	0.00	0.15	2.27	2.27	2.27
I_offsite	10y1d	132.22	0.00	0.05	1.98	1.98	1.98
I_offsite	25y3d	183.22	0.00	0.12	2.15	2.15	2.15
I_offsite	3Yr1D	88.42	0.00	0.05	1.82	1.82	1.82
I_offsite	5y1d	110.15	0.00	-0.05	1.91	1.91	1.91

Weir Link: J1_J2

Scenario:	Existing
From Node:	J1
To Node:	J2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	7.20 ft
Control Elevation:	0.00 ft
Cross Section:	J1_J2

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_J2	100y3d	1.92	0.00	-0.01	0.78	0.78	0.78
J1_J2	10y1d	0.01	0.00	0.00	0.00	0.00	0.00
J1_J2	25y3d	0.60	0.00	0.00	0.57	0.57	0.57
J1_J2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J1_J2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: J1_offsite

Scenario:	Existing
From Node:	J1
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	6.70 ft
Control Elevation:	0.00 ft
Cross Section:	J1_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_offsite	100y3d	62.50	0.00	-0.09	1.68	1.68	1.68
J1_offsite	10y1d	34.57	0.00	0.01	1.53	1.53	1.53
J1_offsite	25y3d	49.82	0.00	-0.07	1.61	1.61	1.61
J1_offsite	3Yr1D	22.09	0.00	-0.01	1.44	1.44	1.44
J1_offsite	5y1d	28.22	0.00	-0.02	1.49	1.49	1.49

Weir Link: J2_J3

Scenario:	Existing	Bottom Clip	
From Node:	J2	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J2_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J2_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: J2_offsite

Scenario:	Existing	Bottom Clip	
From Node:	J2	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	4.60 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	J2_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J2_offsite	100y3d	65.49	0.00	0.04	2.75	2.75	2.75
J2_offsite	10y1d	42.19	0.00	0.01	2.43	2.43	2.43
J2_offsite	25y3d	54.90	0.00	0.03	2.62	2.62	2.62
J2_offsite	3Yr1D	29.79	0.00	0.01	2.23	2.23	2.23
J2_offsite	5y1d	36.11	0.00	0.01	2.34	2.34	2.34

Pipe Link: J3_K		Upstream		Downstream	
Scenario:	Existing	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	J3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	K	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	517.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_K	100y3d	0.00	-28.99	0.35	-5.91	-5.91	-5.91
J3_K	10y1d	0.00	-29.21	0.35	-5.95	-5.95	-5.95
J3_K	25y3d	0.00	-29.05	0.35	-5.92	-5.92	-5.92
J3_K	3Yr1D	0.00	-29.24	0.35	-5.96	-5.96	-5.96
J3_K	5y1d	0.00	-29.30	0.35	-5.97	-5.97	-5.97

Weir Link: J3_offsite

Scenario:	Existing	**Bottom Clip**	
From Node:	J3	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.50 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J3_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_offsite	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: K_M

Scenario:	Existing	**Bottom Clip**	
From Node:	K	Default:	0.00 ft
To Node:	M	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	8.20 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	K_M	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_M	100y3d	13.15	0.00	-0.02	1.42	1.42	1.42
K_M	10y1d	4.37	0.00	0.01	1.06	1.06	1.06
K_M	25y3d	9.44	0.00	-0.01	1.29	1.29	1.29
K_M	3Yr1D	0.01	0.00	0.00	0.00	0.00	0.00
K_M	5y1d	1.98	0.00	0.00	0.87	0.87	0.87

Weir Link: K_N

Scenario:	Existing	Bottom Clip	
From Node:	K	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	K_N	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_N	100y3d	5.96	0.00	-0.02	1.06	1.06	1.06
K_N	10y1d	0.61	0.00	0.00	0.63	0.63	0.63

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_N	25y3d	3.14	0.00	-0.01	0.91	0.91	0.91
K_N	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
K_N	5y1d	0.04	0.00	0.00	0.00	0.00	0.00

Weir Link: K_O

Scenario:	Existing	Bottom Clip	
From Node:	K	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	10.20 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	K_O	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
K_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: K_offsite

Scenario:	Existing	Bottom Clip	
From Node:	K	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	7.80 ft
Control Elevation:	0.00 ft
Cross Section:	K_offsite

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_offsite	100y3d	91.85	0.00	-0.14	1.50	1.50	1.50
K_offsite	10y1d	37.72	0.00	0.04	1.35	1.35	1.35
K_offsite	25y3d	67.78	0.00	-0.08	1.43	1.43	1.43
K_offsite	3Yr1D	9.52	0.00	0.01	1.28	1.28	1.28
K_offsite	5y1d	23.95	0.00	-0.03	1.31	1.31	1.31

Weir Link: L_M-W

Scenario:	Existing
From Node:	L
To Node:	M
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.40 ft
Control Elevation:	0.00 ft
Cross Section:	L_M

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_M-W	100y3d	0.00	-196.36	-0.17	0.00	0.00	0.00
L_M-W	10y1d	0.00	-84.12	-0.11	0.00	0.00	0.00
L_M-W	25y3d	0.00	-140.90	-0.14	0.00	0.00	0.00
L_M-W	3Yr1D	0.00	-37.94	-0.05	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_M-W	5y1d	0.00	-61.80	-0.11	0.00	0.00	0.00

Weir Link: L_W

Scenario:	Existing	**Bottom Clip**	
From Node:	L	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	L_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_W	100y3d	20.66	-86.85	0.16	-1.82	-1.82	-1.82
L_W	10y1d	20.04	-47.34	0.08	-1.71	-1.71	-1.71
L_W	25y3d	20.96	-71.55	0.16	-1.79	-1.79	-1.79
L_W	3Yr1D	15.22	-18.86	0.04	-1.54	-1.54	-1.54
L_W	5y1d	18.48	-32.80	0.10	-1.65	-1.65	-1.65

Weir Link: L_offsite

Scenario:	Existing	**Bottom Clip**	
From Node:	L	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.60 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800

Cross Section: L_offsite

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite	100y3d	239.35	0.00	0.32	2.41	2.41	2.41
L_offsite	10y1d	57.05	0.00	0.03	1.88	1.88	1.88
L_offsite	25y3d	144.73	0.00	0.20	2.27	2.27	2.27
L_offsite	3Yr1D	3.61	0.00	0.00	1.04	1.04	1.04
L_offsite	5y1d	25.64	0.00	0.03	1.56	1.56	1.56

Pipe Link: L_offsite1		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.53 ft	Invert:	-1.41 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1075.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite1	100y3d	13.10	-0.01	0.01	4.17	4.17	4.17
L_offsite1	10y1d	12.23	-0.01	-0.03	3.89	3.89	3.89
L_offsite1	25y3d	12.76	-0.01	-0.01	4.06	4.06	4.06
L_offsite1	3Yr1D	11.35	-0.01	-0.02	3.61	3.67	3.61
L_offsite1	5y1d	11.88	-0.01	-0.03	3.78	3.78	3.78

Pipe Link: L_offsite2		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.64 ft	Invert:	-2.24 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	199.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite2	100y3d	12.98	-0.03	-0.02	7.34	7.34	7.34
L_offsite2	10y1d	12.11	-0.03	-0.03	6.85	6.85	6.85
L_offsite2	25y3d	12.64	-0.03	-0.01	7.15	7.15	7.15
L_offsite2	3Yr1D	11.24	-0.03	-0.02	6.36	6.36	6.36
L_offsite2	5y1d	11.76	-0.03	-0.03	6.66	6.66	6.66

Pipe Link: L_offsite3		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.43 ft	Invert:	-2.27 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	183.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite3	100y3d	13.41	-0.03	0.01	7.59	7.59	7.59
L_offsite3	10y1d	12.51	-0.03	-0.03	7.08	7.08	7.08
L_offsite3	25y3d	13.06	-0.03	-0.01	7.39	7.39	7.39
L_offsite3	3Yr1D	11.61	-0.03	-0.02	6.57	6.57	6.57
L_offsite3	5y1d	12.15	-0.03	-0.03	6.88	6.88	6.88

Pipe Link: L_offsite4		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.27 ft	Invert:	-2.01 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	176.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite4	100y3d	13.61	-0.02	0.01	7.70	7.70	7.70
L_offsite4	10y1d	12.70	-0.02	-0.03	7.19	7.19	7.19
L_offsite4	25y3d	13.26	-0.02	-0.01	7.50	7.50	7.50
L_offsite4	3Yr1D	11.79	-0.02	-0.02	6.67	6.67	6.67
L_offsite4	5y1d	12.34	-0.02	-0.03	6.98	6.98	6.98

Pipe Link: L_offsite5		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.57 ft	Invert:	-2.20 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	663.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite5	100y3d	2.66	0.00	0.00	3.39	3.39	3.39
L_offsite5	10y1d	2.48	0.00	-0.01	3.16	3.16	3.16
L_offsite5	25y3d	2.59	0.00	0.00	3.30	3.30	3.30
L_offsite5	3Yr1D	2.30	0.00	0.00	2.93	2.93	2.93
L_offsite5	5y1d	2.41	0.00	-0.01	3.07	3.07	3.07

Pipe Link: L_offsite6		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.25 ft	Invert:	-2.20 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	177.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite6	100y3d	13.58	-0.02	0.01	7.69	7.69	7.69
L_offsite6	10y1d	12.67	-0.02	-0.03	7.17	7.17	7.17
L_offsite6	25y3d	13.23	-0.02	-0.01	7.49	7.49	7.49
L_offsite6	3Yr1D	11.76	-0.02	-0.02	6.66	6.66	6.66
L_offsite6	5y1d	12.31	-0.02	-0.03	6.97	6.97	6.97

Pipe Link: L_offsite7		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.67 ft	Invert:	-1.14 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	160.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite7	100y3d	20.69	-0.01	-0.03	8.60	8.60	8.60
L_offsite7	10y1d	19.30	-0.01	-0.04	8.02	8.02	8.02
L_offsite7	25y3d	20.15	-0.01	-0.02	8.38	8.38	8.38
L_offsite7	3Yr1D	17.91	-0.01	-0.03	7.45	7.45	7.45
L_offsite7	5y1d	18.75	-0.01	-0.04	7.79	7.79	7.79

Pipe Link: L_offsite8		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.99 ft	Invert:	-1.64 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	165.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite8	100y3d	5.00	-0.01	-0.01	6.36	6.36	6.36
L_offsite8	10y1d	4.66	-0.01	-0.01	5.94	5.94	5.94
L_offsite8	25y3d	4.87	-0.01	-0.01	6.20	6.20	6.20
L_offsite8	3Yr1D	4.33	-0.01	-0.01	5.51	5.51	5.51
L_offsite8	5y1d	4.53	-0.01	-0.01	5.77	5.77	5.77

Pipe Link: L_offsite9		Upstream		Downstream	
Scenario:	Existing	Invert:	-2.89 ft	Invert:	-1.89 ft
From Node:	L	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.67 ft	Max Depth:	0.67 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of L_offsite1/2/3/4/5/6/7/8
N is for clay

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite9	100y3d	1.76	0.00	0.00	5.00	5.00	5.00
L_offsite9	10y1d	1.65	0.00	0.00	4.67	4.67	4.67
L_offsite9	25y3d	1.72	0.00	0.00	4.87	4.87	4.87
L_offsite9	3Yr1D	1.53	0.00	0.00	4.33	4.33	4.33
L_offsite9	5y1d	1.60	0.00	0.00	4.53	4.53	4.53

Pipe Link: M_N-P		Upstream		Downstream	
Scenario:	Existing	Invert:	-5.00 ft	Invert:	-5.00 ft
From Node:	M	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	132.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_N-P	100y3d	12.57	-9.87	0.85	7.11	7.11	7.11
M_N-P	10y1d	11.83	-10.55	0.85	6.70	6.70	6.70
M_N-P	25y3d	11.83	-9.63	0.85	6.69	6.69	6.69
M_N-P	3Yr1D	12.03	-11.97	0.85	6.80	6.80	6.80
M_N-P	5y1d	11.85	-11.47	0.85	6.70	6.70	6.70

Weir Link: M_N-W			
Scenario:	Existing	Bottom Clip	
From Node:	M	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	7.60 ft	Ref Node:	
Control Elevation:	0.00 ft	**Discharge Coefficients**	
Cross Section:	M_N	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_N-W	100y3d	0.00	-39.22	0.10	0.00	0.00	0.00
M_N-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	25y3d	0.00	-12.42	-0.04	0.00	0.00	0.00
M_N-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: M_W

Scenario:	Existing	**Bottom Clip**	
From Node:	M	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.20 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	M_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_W	100y3d	6.88	0.00	0.01	1.78	1.78	1.78

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_W	10y1d	1.16	0.00	0.00	1.21	1.21	1.21
M_W	25y3d	3.80	0.00	0.01	1.55	1.55	1.55
M_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_W	5y1d	0.36	0.00	0.00	0.85	0.85	0.85

Weir Link: M_offsite-W

Scenario:	Existing	Bottom Clip	
From Node:	M	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.10 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	M_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_offsite-W	100y3d	15.20	0.00	0.02	1.93	1.93	1.93
M_offsite-W	10y1d	3.64	0.00	0.01	1.38	1.38	1.38
M_offsite-W	25y3d	9.41	0.00	0.01	1.74	1.74	1.74
M_offsite-W	3Yr1D	0.15	0.00	0.00	0.58	0.58	0.58
M_offsite-W	5y1d	1.65	0.00	0.01	1.13	1.13	1.13

Weir Link: N_O

Scenario:	Existing	Bottom Clip	
From Node:	N	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular		
Invert:	9.30 ft	Ref Node:	
Control Elevation:	0.00 ft	**Discharge Coefficients**	
Cross Section:	N_O	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
N_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: N_O1		Upstream		Downstream	
Scenario:	Existing	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	41.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O1	100y3d	8.61	-6.10	0.45	7.02	7.02	7.02
N_O1	10y1d	8.61	-4.06	0.45	7.02	7.02	7.02

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O1	25y3d	8.61	-6.03	-0.45	7.02	7.02	7.02
N_O1	3Yr1D	8.61	-1.11	-0.42	7.02	7.02	7.02
N_O1	5y1d	8.61	-2.62	-0.48	7.02	7.02	7.02

Pipe Link: N_O2		Upstream		Downstream	
Scenario:	Existing	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O2	100y3d	11.83	-8.38	0.61	6.69	6.69	6.69
N_O2	10y1d	11.83	-5.58	0.62	6.69	6.69	6.69
N_O2	25y3d	11.83	-8.28	-0.62	6.69	6.69	6.69
N_O2	3Yr1D	11.83	-1.53	-0.58	6.69	6.69	6.69
N_O2	5y1d	11.83	-3.60	-0.66	6.69	6.69	6.69

Pipe Link: N_O3		Upstream		Downstream	
Scenario:	Existing	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O3	100y3d	23.41	-16.59	1.22	7.45	7.45	7.45
N_O3	10y1d	23.41	-11.04	1.22	7.45	7.45	7.45
N_O3	25y3d	23.41	-16.38	-1.23	7.45	7.45	7.45
N_O3	3Yr1D	23.41	-3.02	-1.15	7.45	7.45	7.45
N_O3	5y1d	23.41	-7.12	-1.31	7.45	7.45	7.45

Pipe Link: N_W-P		Upstream		Downstream	
Scenario:	Existing	Invert:	-5.59 ft	Invert:	-5.59 ft
From Node:	N	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	177.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-P	100y3d	59.32	-0.21	1.95	8.39	8.39	8.39
N_W-P	10y1d	59.32	-0.20	-2.37	8.39	8.39	8.39

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-P	25y3d	59.32	-0.23	-2.22	8.39	8.39	8.39
N_W-P	3Yr1D	59.32	-0.26	-2.30	8.39	8.39	8.39
N_W-P	5y1d	59.32	-0.21	-2.18	8.39	8.39	8.39

Weir Link: N_W-W

Scenario:	Existing
From Node:	N
To Node:	W
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	9.40 ft
Control Elevation:	0.00 ft
Cross Section:	N_W

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: O_offsite

Scenario:	Existing
From Node:	O
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Invert:	5.00 ft
Control Elevation:	0.00 ft
Cross Section:	O_offsite

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
O_offsite	100y3d	88.85	0.00	-0.05	3.95	3.95	3.95
O_offsite	10y1d	50.06	0.00	0.03	3.32	3.32	3.32
O_offsite	25y3d	76.48	0.00	0.03	3.77	3.77	3.77
O_offsite	3Yr1D	22.92	0.00	0.02	2.75	2.75	2.75
O_offsite	5y1d	36.52	0.00	0.03	3.05	3.05	3.05

Drop Structure Link: Oleander		Upstream Pipe		Downstream Pipe	
Scenario:	Existing	Invert:	-5.25 ft	Invert:	-5.50 ft
From Node:	A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	112.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	2.30 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	

Control Elevation:	1.00 ft
Max Depth:	0.67 ft
Max Width:	0.67 ft
Fillet:	0.00 ft

Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Weir Component

Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	3.35 ft
Control Elevation:	1.00 ft
Max Depth:	3.00 ft
Max Width:	8.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Oleander - Pipe	100y3d	3.05	0.00	0.00	0.00	0.00	0.00
Oleander - Weir: 1	100y3d	1.97	0.00	0.00	4.40	4.40	4.40
Oleander - Weir: 2	100y3d	1.07	0.00	0.00	1.11	1.11	1.11
Oleander - Pipe	10y1d	1.71	0.00	0.00	0.00	0.00	0.00
Oleander - Weir: 1	10y1d	1.71	0.00	0.00	3.81	3.81	3.81
Oleander - Weir: 2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
Oleander - Pipe	25y3d	2.04	0.00	0.00	0.00	0.00	0.00
Oleander - Weir: 1	25y3d	1.87	0.00	0.00	4.17	4.17	4.17

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Oleander - Weir: 2	25y3d	0.17	0.00	0.00	0.00	0.00	0.00
Oleander - Pipe	3Yr1D	1.52	0.00	0.00	0.00	0.00	0.00
Oleander - Weir: 1	3Yr1D	1.52	0.00	0.00	3.38	3.38	3.38
Oleander - Weir: 2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Oleander - Pipe	5y1d	1.62	0.00	0.00	0.00	0.00	0.00
Oleander - Weir: 1	5y1d	1.62	0.00	0.00	3.62	3.62	3.62
Oleander - Weir: 2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_P2

Scenario:	Existing
From Node:	P1
To Node:	P2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.90 ft
Control Elevation:	0.00 ft
Cross Section:	P1_P2

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_P2	100y3d	0.00	-7.03	-0.02	0.00	0.00	0.00
P1_P2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P1_P2	25y3d	0.00	-2.66	-0.01	0.00	0.00	0.00
P1_P2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_P2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_P3

Scenario:	Existing
From Node:	P1
To Node:	P3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.40 ft
Control Elevation:	0.00 ft
Cross Section:	P1_P3

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_P3	100y3d	5.55	0.00	0.01	1.33	1.33	1.33
P1_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P1_P3	25y3d	0.68	0.00	0.00	0.88	0.88	0.88
P1_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_W

Scenario:	Existing
From Node:	P1
To Node:	W
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.30 ft
Control Elevation:	0.00 ft
Cross Section:	P1_W

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_W	100y3d	58.08	-13.98	-0.15	1.17	1.17	1.17
P1_W	10y1d	34.65	-7.18	-0.06	1.17	1.17	1.17
P1_W	25y3d	51.13	-5.34	-0.15	1.21	1.21	1.21
P1_W	3Yr1D	14.21	-9.00	-0.03	1.17	1.17	1.17
P1_W	5y1d	23.92	-8.89	-0.07	1.18	1.18	1.18

Weir Link: P1_offsite

Scenario:	Existing	**Bottom Clip**	
From Node:	P1	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.10 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P1_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite	100y3d	21.49	0.00	0.04	1.59	1.59	1.59
P1_offsite	10y1d	0.32	0.00	0.00	0.82	0.82	0.82
P1_offsite	25y3d	6.10	0.00	0.01	1.44	1.44	1.44
P1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P1_offsite1

		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.27 ft	Invert:	-3.76 ft
From Node:	P1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	132.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite1	100y3d	5.47	0.00	-0.52	6.97	7.88	6.97
P1_offsite1	10y1d	5.10	0.00	-0.52	6.50	7.88	6.50
P1_offsite1	25y3d	5.33	0.00	-0.52	6.79	7.88	6.79
P1_offsite1	3Yr1D	4.69	0.00	-0.52	5.97	7.88	6.49
P1_offsite1	5y1d	4.95	0.00	-0.52	6.30	7.88	6.49

Pipe Link: P1_offsite2		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.57 ft	Invert:	-2.40 ft
From Node:	P1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P1_offsite1/2, n = 0.012, size = 18"

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite2	100y3d	15.85	-0.01	-2.78	8.97	8.97	8.97
P1_offsite2	10y1d	14.78	-0.01	-2.78	8.36	8.36	8.36
P1_offsite2	25y3d	15.44	-0.01	-2.78	8.74	8.74	8.74
P1_offsite2	3Yr1D	13.58	-0.01	-2.78	7.69	8.30	7.69
P1_offsite2	5y1d	14.34	-0.01	-2.78	8.11	8.30	8.11

Pipe Link: P1_offsite3		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.57 ft	Invert:	-2.40 ft
From Node:	P1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	130.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P1_offsite1/2

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite3	100y3d	1.27	0.00	-0.04	6.49	6.49	6.49
P1_offsite3	10y1d	1.19	0.00	-0.05	6.05	6.05	6.05
P1_offsite3	25y3d	1.24	0.00	-0.06	6.32	6.32	6.32
P1_offsite3	3Yr1D	1.09	0.00	-0.04	5.56	5.56	5.56
P1_offsite3	5y1d	1.15	0.00	-0.04	5.87	5.87	5.87

Weir Link: P2_P3			
Scenario:	Existing	Bottom Clip	
From Node:	P2	Default:	0.00 ft
To Node:	P3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	4.90 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	P2_P3	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_P3	100y3d	4.55	0.00	0.01	1.27	1.27	1.27
P2_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P2_P3	25y3d	1.84	0.00	0.01	1.01	1.01	1.01
P2_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P2_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P2_offsite-P		Upstream		Downstream	
Scenario:	Existing	Invert:	1.23 ft	Invert:	1.23 ft
From Node:	P2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	127.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_offsite-P	100y3d	5.33	0.00	0.00	6.79	6.99	6.89
P2_offsite-P	10y1d	5.00	0.00	0.00	6.37	6.63	6.50
P2_offsite-P	25y3d	5.24	0.00	0.00	6.68	6.89	6.78
P2_offsite-P	3Yr1D	4.44	0.00	0.00	5.65	6.05	5.85
P2_offsite-P	5y1d	4.79	0.00	0.00	6.09	6.40	6.25

Weir Link: P2_offsite-W

Scenario:	Existing	Bottom Clip	
From Node:	P2	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P2_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_offsite-W	100y3d	2.38	0.00	0.01	1.28	1.28	1.28
P2_offsite-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P2_offsite-W	25y3d	1.03	0.00	0.00	1.09	1.09	1.09
P2_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P2_offsite-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P3_Q

Scenario:	Existing	Bottom Clip	
From Node:	P3	Default:	0.00 ft
To Node:	Q	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	5.20 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	P3_Q	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q	100y3d	0.00	-25.94	0.04	0.00	0.00	0.00
P3_Q	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P3_Q	25y3d	0.00	-12.58	0.02	0.00	0.00	0.00
P3_Q	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P3_Q	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P3_Q1		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.80 ft	Invert:	-1.80 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Q	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	369.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q1	100y3d	0.02	-47.53	0.86	-6.72	-6.72	-6.72

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q1	10y1d	0.02	-36.42	0.86	-5.15	-5.15	-5.15
P3_Q1	25y3d	0.02	-45.09	0.86	-6.38	-6.38	-6.38
P3_Q1	3Yr1D	0.02	-36.09	0.86	-5.11	-5.11	-5.11
P3_Q1	5y1d	0.02	-36.09	0.86	-5.11	-5.11	-5.11

Pipe Link: P3_Q2		Upstream		Downstream	
Scenario:	Existing	Invert:	-3.05 ft	Invert:	-3.05 ft
From Node:	P3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Q	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q2	100y3d	0.01	-17.38	0.31	-9.84	-9.84	-9.84
P3_Q2	10y1d	0.01	-13.32	0.31	-7.54	-7.54	-7.54
P3_Q2	25y3d	0.01	-16.49	0.31	-9.33	-9.33	-9.33
P3_Q2	3Yr1D	0.01	-13.20	0.31	-7.47	-7.47	-7.47
P3_Q2	5y1d	0.01	-13.20	0.31	-7.47	-7.47	-7.47

Weir Link: P3_W			
Scenario:	Existing	Bottom Clip	
From Node:	P3	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	4.70 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	P3_W	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_W	100y3d	0.00	-0.09	0.00	0.00	0.00	0.00
P3_W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P3_offsite

Scenario:	Existing	Bottom Clip	
From Node:	P3	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	2.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P3_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite	100y3d	140.15	0.00	-0.14	2.46	2.46	2.46
P3_offsite	10y1d	65.41	0.00	0.03	1.96	1.96	1.96

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite	25y3d	106.12	0.00	-0.11	2.26	2.26	2.26
P3_offsite	3Yr1D	33.48	0.00	0.02	1.62	1.62	1.62
P3_offsite	5y1d	49.40	0.00	-0.04	1.81	1.81	1.81

Pipe Link: P3_offsite1		Upstream		Downstream	
Scenario:	Existing	Invert:	0.02 ft	Invert:	-3.86 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	285.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite1	100y3d	3.53	0.00	-0.20	4.60	4.49	4.49
P3_offsite1	10y1d	3.53	0.00	-0.20	4.60	4.49	4.49
P3_offsite1	25y3d	3.53	0.00	-0.20	4.60	4.49	4.49
P3_offsite1	3Yr1D	3.53	0.00	-0.20	4.60	4.49	4.49
P3_offsite1	5y1d	3.53	0.00	-0.20	4.60	4.49	4.49

Pipe Link: P3_offsite2		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.20 ft	Invert:	-5.27 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite2	100y3d	11.93	-0.05	-0.04	9.72	9.72	9.72
P3_offsite2	10y1d	11.93	-0.05	-0.04	9.72	9.72	9.72
P3_offsite2	25y3d	11.93	-0.05	-0.04	9.72	9.72	9.72
P3_offsite2	3Yr1D	11.93	-0.05	-0.04	9.72	9.72	9.72
P3_offsite2	5y1d	11.93	-0.05	-0.04	9.72	9.72	9.72

Pipe Link: P3_offsite3		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.59 ft	Invert:	-4.57 ft
From Node:	P3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P3_offsite1/2, n = 0.012, size = 18"

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite3	100y3d	18.59	-0.02	-3.02	10.52	20.49	14.28
P3_offsite3	10y1d	18.59	-0.02	-3.02	10.52	20.49	14.28

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite3	25y3d	18.59	-0.02	-3.02	10.52	20.49	14.28
P3_offsite3	3Yr1D	18.59	-0.02	-3.02	10.52	20.49	14.28
P3_offsite3	5y1d	18.59	-0.02	-3.02	10.52	20.49	14.28

Weir Link: P4_R-W

Scenario:	Existing	**Bottom Clip**	
From Node:	P4	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.54 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P4_R	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_R-W	100y3d	10.17	-38.18	0.07	-1.92	-1.92	-1.92
P4_R-W	10y1d	0.81	-7.96	0.05	-1.15	-1.15	-1.15
P4_R-W	25y3d	9.94	-23.44	0.03	-1.85	-1.85	-1.85
P4_R-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P4_R-W	5y1d	0.00	-1.96	0.01	0.00	0.00	0.00

Weir Link: P4_U1-W

Scenario:	Existing	**Bottom Clip**	
From Node:	P4	Default:	0.00 ft
To Node:	U1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	3.86 ft
Control Elevation:	0.00 ft
Cross Section:	P4_U1

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_U1-W	100y3d	2.57	-7.26	-0.02	-1.44	-1.44	-1.44
P4_U1-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P4_U1-W	25y3d	0.61	-1.33	0.01	-0.92	-0.92	-0.92
P4_U1-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P4_U1-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P4_offsite

Scenario:	Existing
From Node:	P4
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.50 ft
Control Elevation:	0.00 ft
Cross Section:	P4_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite	100y3d	41.08	0.00	0.12	1.62	1.62	1.62
P4_offsite	10y1d	0.68	0.00	0.00	0.94	0.94	0.94
P4_offsite	25y3d	14.06	0.00	0.01	1.32	1.32	1.32
P4_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P4_offsite1		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.19 ft	Invert:	-3.77 ft
From Node:	P4	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	161.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite1	100y3d	16.46	-0.01	-0.13	9.31	9.31	9.31
P4_offsite1	10y1d	15.38	-0.01	-0.13	8.70	8.70	8.70
P4_offsite1	25y3d	16.04	-0.01	-0.13	9.08	9.08	9.08
P4_offsite1	3Yr1D	14.00	-0.01	-0.13	7.92	7.92	7.92
P4_offsite1	5y1d	14.73	-0.01	-0.13	8.33	8.33	8.33

Weir Link: Q_R			
Scenario:	Existing	Bottom Clip	
From Node:	Q	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.10 ft	Discharge Coefficients	

Control Elevation:	0.00 ft		
Cross Section:	Q_R	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_R	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: Q_S

Scenario:	Existing	Bottom Clip	
From Node:	Q	Default:	0.00 ft
To Node:	S	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.60 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	Q_S	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_S	100y3d	0.00	-59.89	0.09	0.00	0.00	0.00
Q_S	10y1d	0.00	-3.63	0.00	0.00	0.00	0.00
Q_S	25y3d	0.00	-32.37	-0.05	0.00	0.00	0.00
Q_S	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_S	5y1d	0.00	-0.29	0.00	0.00	0.00	0.00

Weir Link: Q_W

Scenario:	Existing	**Bottom Clip**	
From Node:	Q	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	Q_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_W	100y3d	41.34	0.00	-0.07	2.61	2.61	2.61
Q_W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
Q_W	25y3d	18.28	0.00	-0.04	2.16	2.16	2.16
Q_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: R_P3

Scenario:	Existing	**Bottom Clip**	
From Node:	R	Default:	0.00 ft
To Node:	P3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	R_P3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_P3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: R_U3

Scenario:	Existing	**Bottom Clip**	
From Node:	R	Default:	0.00 ft
To Node:	U3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.24 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	R_U3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_U3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: R_U3-P

		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.12 ft	Invert:	-1.12 ft
From Node:	R	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	U3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	284.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_U3-P	100y3d	8.14	-0.65	0.14	4.60	4.60	4.60
R_U3-P	10y1d	7.18	-0.01	0.14	4.06	4.06	4.06
R_U3-P	25y3d	7.96	-0.01	0.14	4.50	4.50	4.50
R_U3-P	3Yr1D	6.85	-0.01	0.14	3.88	3.88	3.88
R_U3-P	5y1d	7.27	-0.01	0.14	4.12	4.12	4.12

Weir Link: R_offsite

Scenario:	Existing	Bottom Clip	
From Node:	R	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.06 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	R_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite	100y3d	2.92	0.00	0.01	0.92	0.92	0.92

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_offsite	25y3d	0.11	0.00	0.00	0.00	0.00	0.00
R_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: R_offsite1		Upstream		Downstream	
Scenario:	Existing	Invert:	0.00 ft	Invert:	-2.33 ft
From Node:	R	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	138.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite1	100y3d	14.45	0.00	-0.10	8.18	8.90	8.18
R_offsite1	10y1d	13.67	0.00	-0.10	7.73	8.90	7.73
R_offsite1	25y3d	14.16	0.00	-0.10	8.01	8.90	8.01
R_offsite1	3Yr1D	12.52	0.00	-0.10	7.08	8.90	7.35
R_offsite1	5y1d	13.28	0.00	-0.10	7.51	8.90	7.51

Pipe Link: R_offsite2		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.16 ft	Invert:	-2.96 ft
From Node:	R	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P4_offsite1/2/3, n = 0.012, size = 18"

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite2	100y3d	9.28	-0.01	-1.59	7.56	9.17	7.57
R_offsite2	10y1d	8.89	-0.01	-1.59	7.25	9.17	7.57
R_offsite2	25y3d	9.09	-0.01	-1.59	7.41	9.17	7.58
R_offsite2	3Yr1D	8.89	-0.01	-1.59	7.25	9.17	7.58
R_offsite2	5y1d	8.89	-0.01	-1.59	7.25	9.17	7.57

Weir Link: S_N

Scenario:	Existing	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_N	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_N	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_N	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_N	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: S_R

Scenario:	Existing	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_R	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_R	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_R	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: S_T

Scenario:	Existing	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	T	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	8.50 ft
Control Elevation:	0.00 ft
Cross Section:	S_T

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_T	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: S_T1		Upstream		Downstream	
Scenario:	Existing	Invert:	-5.80 ft	Invert:	-5.80 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	66.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T1	100y3d	7.03	-2.51	-1.10	3.98	3.98	3.98
S_T1	10y1d	6.47	-2.51	-1.10	3.66	3.66	3.66
S_T1	25y3d	6.77	-2.51	-1.10	3.83	3.83	3.83

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T1	3Yr1D	6.47	-2.51	-1.10	3.66	3.66	3.66
S_T1	5y1d	6.47	-2.51	-1.10	3.66	3.66	3.66

Pipe Link: S_T2		Upstream		Downstream	
Scenario:	Existing	Invert:	-5.80 ft	Invert:	-5.80 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T2	100y3d	6.97	-2.49	-1.09	3.94	3.94	3.94
S_T2	10y1d	6.42	-2.49	-1.09	3.63	3.63	3.63
S_T2	25y3d	6.72	-2.49	-1.09	3.80	3.80	3.80
S_T2	3Yr1D	6.42	-2.49	-1.09	3.63	3.63	3.63
S_T2	5y1d	6.42	-2.49	-1.09	3.63	3.63	3.63

Pipe Link: S_T3		Upstream		Downstream	
Scenario:	Existing	Invert:	-5.60 ft	Invert:	-5.60 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T3	100y3d	7.73	-2.76	-1.21	4.38	4.38	4.38
S_T3	10y1d	7.12	-2.76	-1.21	4.03	4.03	4.03
S_T3	25y3d	7.45	-2.76	-1.21	4.21	4.21	4.21
S_T3	3Yr1D	7.12	-2.76	-1.21	4.03	4.03	4.03
S_T3	5y1d	7.12	-2.76	-1.21	4.03	4.03	4.03

Pipe Link: S_T4		Upstream		Downstream	
Scenario:	Existing	Invert:	-6.25 ft	Invert:	-6.25 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T4	100y3d	7.69	-2.75	-1.21	4.35	4.35	4.35
S_T4	10y1d	7.08	-2.75	-1.21	4.01	4.01	4.01
S_T4	25y3d	7.41	-2.75	-1.21	4.19	4.19	4.19

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T4	3Yr1D	7.08	-2.75	-1.21	4.01	4.01	4.01
S_T4	5y1d	7.08	-2.75	-1.21	4.01	4.01	4.01

Pipe Link: S_T5		Upstream		Downstream	
Scenario:	Existing	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	S	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	66.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, n for concrete

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T5	100y3d	7.33	-2.62	-1.15	4.15	4.15	4.15
S_T5	10y1d	6.75	-2.62	-1.15	3.82	3.82	3.82
S_T5	25y3d	7.06	-2.62	-1.15	4.00	4.00	4.00
S_T5	3Yr1D	6.75	-2.62	-1.15	3.82	3.82	3.82
S_T5	5y1d	6.75	-2.62	-1.15	3.82	3.82	3.82

Pipe Link: S_V-P		Upstream		Downstream	
Scenario:	Existing	Invert:	-4.70 ft	Invert:	-4.70 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	V	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	96.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-P	100y3d	31.53	-14.65	-5.73	4.46	4.46	4.46
S_V-P	10y1d	23.98	-14.65	-5.73	3.39	3.39	3.39
S_V-P	25y3d	29.79	-14.65	-5.73	4.21	4.21	4.21
S_V-P	3Yr1D	11.18	-14.65	-5.73	-2.07	-2.07	-2.07
S_V-P	5y1d	18.43	-14.65	-5.73	2.61	2.61	2.61

Weir Link: S_V-W

Scenario:	Existing	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	V	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.10 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_V	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: S_W-P		Upstream		Downstream	
Scenario:	Existing	Invert:	-5.05 ft	Invert:	-5.05 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	174.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-P	100y3d	31.62	-2.41	-0.61	10.07	10.07	10.07
S_W-P	10y1d	31.62	-0.25	0.68	10.07	10.07	10.07
S_W-P	25y3d	31.62	-0.58	0.67	10.07	10.07	10.07
S_W-P	3Yr1D	31.62	-0.22	0.72	10.07	10.07	10.07
S_W-P	5y1d	31.62	-0.24	0.68	10.07	10.07	10.07

Weir Link: S_W-W			
Scenario:	Existing	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	Discharge Coefficients	

Control Elevation:	0.00 ft		
Cross Section:	S_W	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: T_O

Scenario:	Existing	Bottom Clip	
From Node:	T	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.60 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	T_O	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
T_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
T_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: T_offsite			
Scenario:	Existing	Bottom Clip	
From Node:	T	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	T_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
T_offsite	100y3d	112.82	0.00	-0.04	3.51	3.51	3.51
T_offsite	10y1d	84.42	0.00	0.03	3.21	3.21	3.21
T_offsite	25y3d	101.76	0.00	-0.03	3.40	3.40	3.40
T_offsite	3Yr1D	60.48	0.00	0.02	2.92	2.92	2.92
T_offsite	5y1d	73.26	0.00	-0.03	3.08	3.08	3.08

Weir Link: U1_offsite			
Scenario:	Existing	Bottom Clip	
From Node:	U1	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.80 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	U1_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_offsite	100y3d	5.84	0.00	0.02	1.29	1.29	1.29
U1_offsite	10y1d	0.02	0.00	0.00	0.00	0.00	0.00
U1_offsite	25y3d	1.10	0.00	0.00	1.19	1.19	1.19
U1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U1_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: U1_offsite1		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.89 ft	Invert:	-1.26 ft
From Node:	U1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	180.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_offsite1	100y3d	4.41	-0.01	-0.01	5.62	5.62	5.62
U1_offsite1	10y1d	4.21	-0.01	-0.01	5.36	5.37	5.36
U1_offsite1	25y3d	4.29	-0.01	-0.01	5.46	5.46	5.46
U1_offsite1	3Yr1D	4.04	-0.01	-0.01	5.14	5.37	5.14
U1_offsite1	5y1d	4.15	-0.01	-0.01	5.28	5.37	5.28

Pipe Link: U2_offsiteP		Upstream		Downstream	
Scenario:	Existing	Invert:	-1.45 ft	Invert:	-2.44 ft
From Node:	U2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	152.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U2_offsiteP	100y3d	14.18	-0.01	-0.03	8.02	8.02	8.02
U2_offsiteP	10y1d	13.81	-0.01	-0.03	7.82	7.82	7.82
U2_offsiteP	25y3d	14.02	-0.01	-0.03	7.94	7.94	7.94
U2_offsiteP	3Yr1D	13.05	-0.01	-0.03	7.39	7.39	7.39
U2_offsiteP	5y1d	13.57	-0.01	-0.03	7.68	7.68	7.68

Weir Link: U2_offsiteW

Scenario:	Existing	Bottom Clip	
From Node:	U2	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.80 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	U2_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U2_offsiteW	100y3d	44.82	0.00	0.09	1.56	1.56	1.56
U2_offsiteW	10y1d	7.18	0.00	-0.01	1.10	1.10	1.10
U2_offsiteW	25y3d	25.44	0.00	0.07	1.40	1.40	1.40
U2_offsiteW	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U2_offsiteW	5y1d	1.33	0.00	0.00	0.82	0.82	0.82

Weir Link: U3_U1

Scenario:	Existing	**Bottom Clip**	
From Node:	U3	Default:	0.00 ft
To Node:	U1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.52 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	U3_U1	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_U1	100y3d	6.12	-15.05	-0.07	-1.42	-1.42	-1.42
U3_U1	10y1d	0.00	-3.81	0.00	0.00	0.00	0.00
U3_U1	25y3d	0.83	-10.80	-0.04	-1.40	-1.40	-1.40
U3_U1	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U3_U1	5y1d	0.00	-1.52	0.00	0.00	0.00	0.00

Weir Link: U3_U2

Scenario:	Existing	**Bottom Clip**	
From Node:	U3	Default:	0.00 ft
To Node:	U2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	8.30 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	U3_U2	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_U2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: U3_offsite		Upstream		Downstream	
Scenario:	Existing	Invert:	-0.89 ft	Invert:	-1.26 ft
From Node:	U3	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	148.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_offsite	100y3d	33.10	-0.03	1.41	10.54	10.54	10.54

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_offsite	10y1d	28.27	-0.03	1.41	9.00	9.00	9.00
U3_offsite	25y3d	31.96	-0.03	1.41	10.17	10.17	10.17
U3_offsite	3Yr1D	22.43	-0.03	1.41	7.14	7.62	7.15
U3_offsite	5y1d	26.09	-0.03	1.41	8.31	8.31	8.31

Weir Link: V_S

Scenario:	Existing	**Bottom Clip**	
From Node:	V	Default:	0.00 ft
To Node:	S	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	V_S	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
V_S	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: V_S1

		Upstream		Downstream	
Scenario:	Existing	Invert:	1.00 ft	Invert:	1.00 ft
From Node:	V	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	S	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	67.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S1	100y3d	3.20	-6.88	1.25	-3.90	-3.90	-3.90
V_S1	10y1d	3.20	-5.24	1.25	-2.96	-2.96	-2.96
V_S1	25y3d	3.20	-6.50	1.25	-3.68	-3.68	-3.68
V_S1	3Yr1D	3.20	-2.44	1.25	1.81	1.81	1.81
V_S1	5y1d	3.20	-4.03	1.25	-2.28	-2.28	-2.28

Pipe Link: V_S2		Upstream		Downstream	
Scenario:	Existing	Invert:	2.00 ft	Invert:	2.00 ft
From Node:	V	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	S	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S2	100y3d	3.19	-6.86	1.25	-3.88	-3.88	-3.88
V_S2	10y1d	3.19	-5.22	1.25	-2.95	-2.95	-2.95

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S2	25y3d	3.19	-6.48	1.25	-3.67	-3.67	-3.67
V_S2	3Yr1D	3.19	-2.43	1.25	1.80	1.80	1.80
V_S2	5y1d	3.19	-4.01	1.25	-2.27	-2.27	-2.27

Pipe Link: V_T-P		Upstream		Downstream	
Scenario:	Existing	Invert:	-4.35 ft	Invert:	-4.35 ft
From Node:	V	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_T-P	100y3d	7.98	-2.46	-1.09	4.51	4.51	4.51
V_T-P	10y1d	7.98	-2.46	-1.09	4.51	4.51	4.51
V_T-P	25y3d	7.98	-2.46	-1.09	4.51	4.51	4.51
V_T-P	3Yr1D	7.98	-2.46	-1.09	4.51	4.51	4.51
V_T-P	5y1d	7.98	-2.46	-1.09	4.51	4.51	4.51

Weir Link: V_T-W			
Scenario:	Existing	Bottom Clip	
From Node:	V	Default:	0.00 ft
To Node:	T	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	5.90 ft
Control Elevation:	0.00 ft
Cross Section:	V_T

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_T-W	100y3d	18.46	0.00	-0.02	1.77	1.77	1.77
V_T-W	10y1d	14.71	0.00	0.01	1.72	1.72	1.72
V_T-W	25y3d	17.24	0.00	-0.02	1.74	1.74	1.74
V_T-W	3Yr1D	7.45	0.00	0.01	1.60	1.60	1.60
V_T-W	5y1d	11.72	0.00	-0.01	1.69	1.69	1.69

Weir Link: V_U2

Scenario:	Existing
From Node:	V
To Node:	U2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	9.40 ft
Control Elevation:	0.00 ft
Cross Section:	V_U2

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_U2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_U2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: V_offsite

Scenario:	Existing
From Node:	V
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.80 ft
Control Elevation:	0.00 ft
Cross Section:	V_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_offsite	100y3d	80.03	0.00	-0.07	2.20	2.20	2.20
V_offsite	10y1d	42.16	0.00	0.03	1.89	1.89	1.89
V_offsite	25y3d	63.54	0.00	-0.04	2.08	2.08	2.08
V_offsite	3Yr1D	21.17	0.00	0.02	1.73	1.73	1.73
V_offsite	5y1d	31.96	0.00	-0.03	1.81	1.81	1.81

Pipe Link: W1_W-P

Scenario:	Existing
From Node:	W1
To Node:	W
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	960.62 ft
FHWA Code:	0
Entr Loss Coef:	0.50

Upstream	
Invert:	-5.60 ft
Manning's N:	0.0130
Geometry: Circular	
Max Depth:	3.00 ft
Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream	
Invert:	-6.00 ft
Manning's N:	0.0130
Geometry: Circular	
Max Depth:	3.00 ft
Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W1_W-P	100y3d	34.59	-31.70	3.18	4.89	4.89	4.89
W1_W-P	10y1d	32.85	-31.70	3.18	4.65	4.65	4.65
W1_W-P	25y3d	34.49	-31.70	3.18	4.88	4.88	4.88
W1_W-P	3Yr1D	30.45	-31.70	3.18	-4.48	-4.48	-4.48
W1_W-P	5y1d	31.36	-31.70	3.18	-4.48	-4.48	-4.48

Pipe Link: W_offsite-P		Upstream		Downstream	
Scenario:	Existing	Invert:	-6.00 ft	Invert:	-6.00 ft
From Node:	W	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	425.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-P	100y3d	49.22	-0.27	0.79	5.12	5.12	5.12
W_offsite-P	10y1d	46.67	-0.28	-0.94	4.85	4.85	4.85
W_offsite-P	25y3d	47.94	-0.27	0.94	4.98	4.98	4.98
W_offsite-P	3Yr1D	46.67	-0.27	-0.86	4.85	4.85	4.85

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-P	5y1d	46.67	-0.27	-1.12	4.85	4.85	4.85

Weir Link: W_offsite-W

Scenario:	Existing	**Bottom Clip**	
From Node:	W	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.50 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	W_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Existing]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: A_offsite

Scenario:	Pipes	**Bottom Clip**	
From Node:	A	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	2.40 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800

Cross Section: A_offsite

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A_offsite	100y3d	136.22	0.00	0.06	2.03	2.03	2.03
A_offsite	10y1d	53.95	0.00	0.04	1.76	1.76	1.76
A_offsite	25y3d	96.24	0.00	0.05	1.93	1.93	1.93
A_offsite	3Yr1D	19.92	0.00	0.02	1.61	1.61	1.61
A_offsite	5y1d	36.30	0.00	0.03	1.69	1.69	1.69

Weir Link: B_C

Scenario: Pipes
From Node: B
To Node: C
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 4.00 ft
Control Elevation: 0.00 ft
Cross Section: B_C

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_C	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
B_C	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: B_offsite-P		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.97 ft	Invert:	-2.81 ft
From Node:	B	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	131.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_offsite-P	100y3d	4.43	-0.01	-0.14	5.64	5.64	5.64
B_offsite-P	10y1d	4.22	-0.01	-0.14	5.37	5.37	5.37
B_offsite-P	25y3d	4.34	-0.01	-0.14	5.53	5.53	5.53
B_offsite-P	3Yr1D	3.98	-0.01	-0.14	5.07	5.07	5.07
B_offsite-P	5y1d	4.12	-0.01	-0.14	5.24	5.24	5.24

Weir Link: B_offsite-W			
Scenario:	Pipes	Bottom Clip	
From Node:	B	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	2.80 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	B_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_offsite-W	100y3d	10.66	0.00	0.01	1.74	1.74	1.74
B_offsite-W	10y1d	2.98	0.00	0.00	1.63	1.63	1.63
B_offsite-W	25y3d	5.87	0.00	0.00	1.74	1.74	1.74
B_offsite-W	3Yr1D	0.41	0.00	0.00	0.88	0.88	0.88
B_offsite-W	5y1d	1.65	0.00	0.00	1.35	1.35	1.35

Weir Link: C_D

Scenario:	Pipes	**Bottom Clip**	
From Node:	C	Default:	0.00 ft
To Node:	D	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	C_D	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_D	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
C_D	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: C_J1

Scenario:	Pipes	**Bottom Clip**	
From Node:	C	Default:	0.00 ft
To Node:	J1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	7.40 ft	Ref Node:	
Control Elevation:	0.00 ft	**Discharge Coefficients**	
Cross Section:	C_J1	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_J1	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: C_offsite

Scenario:	Pipes	**Bottom Clip**	
From Node:	C	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	1.40 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	C_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite	100y3d	129.80	0.00	-0.14	1.71	1.71	1.71

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite	10y1d	65.59	0.00	0.04	1.51	1.51	1.51
C_offsite	25y3d	99.64	0.00	0.05	1.63	1.63	1.63
C_offsite	3Yr1D	37.67	0.00	0.02	1.38	1.38	1.38
C_offsite	5y1d	51.47	0.00	0.03	1.45	1.45	1.45

Pipe Link: C_offsite1		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.31 ft	Invert:	-3.28 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite1	100y3d	1.26	0.00	-0.01	2.32	2.32	2.32
C_offsite1	10y1d	1.26	0.00	-0.01	2.32	2.32	2.32
C_offsite1	25y3d	1.26	0.00	-0.01	2.32	2.32	2.32
C_offsite1	3Yr1D	1.26	0.00	-0.01	2.32	2.32	2.32
C_offsite1	5y1d	1.26	0.00	-0.01	2.32	2.32	2.32

Pipe Link: C_offsite2		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.81 ft	Invert:	-1.82 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	92.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite2	100y3d	2.30	0.00	-0.06	2.93	3.33	3.13
C_offsite2	10y1d	2.30	0.00	-0.06	2.93	3.33	3.13
C_offsite2	25y3d	2.30	0.00	-0.06	2.93	3.33	3.13
C_offsite2	3Yr1D	2.30	0.00	-0.06	2.93	3.33	3.13
C_offsite2	5y1d	2.30	0.00	-0.06	2.93	3.33	3.13

Pipe Link: C_offsite3		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	91.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite3	100y3d	2.36	0.00	-0.04	3.00	3.00	3.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite3	10y1d	2.36	0.00	-0.04	3.00	3.00	3.00
C_offsite3	25y3d	2.36	0.00	-0.04	3.00	3.00	3.00
C_offsite3	3Yr1D	2.36	0.00	-0.04	3.00	3.00	3.00
C_offsite3	5y1d	2.36	0.00	-0.04	3.00	3.00	3.00

Pipe Link: C_offsite4		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite4	100y3d	5.40	0.00	-0.14	6.88	6.88	6.88
C_offsite4	10y1d	5.40	0.00	-0.14	6.88	6.88	6.88
C_offsite4	25y3d	5.40	0.00	-0.14	6.88	6.88	6.88
C_offsite4	3Yr1D	5.40	0.00	-0.14	6.88	6.88	6.88
C_offsite4	5y1d	5.40	0.00	-0.14	6.88	6.88	6.88

Pipe Link: C_offsite5		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite5	100y3d	5.32	0.00	-0.14	6.78	6.78	6.78
C_offsite5	10y1d	5.32	0.00	-0.14	6.78	6.78	6.78
C_offsite5	25y3d	5.32	0.00	-0.14	6.78	6.78	6.78
C_offsite5	3Yr1D	5.32	0.00	-0.14	6.78	6.78	6.78
C_offsite5	5y1d	5.32	0.00	-0.14	6.78	6.78	6.78

Pipe Link: C_offsite6		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2
n for iron pipe

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite6	100y3d	3.33	0.00	-0.05	6.16	6.16	6.16
C_offsite6	10y1d	3.33	0.00	-0.05	6.16	6.16	6.16
C_offsite6	25y3d	3.33	0.00	-0.05	6.16	6.16	6.16
C_offsite6	3Yr1D	3.33	0.00	-0.05	6.16	6.16	6.16
C_offsite6	5y1d	3.33	0.00	-0.05	6.16	6.16	6.16

Drop Structure Link: CyprCkE		Upstream Pipe		Downstream Pipe	
Scenario:	Pipes	Invert:	-0.60 ft	Invert:	-0.60 ft
From Node:	A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	104.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	1.00 ft	Ref Node:	
Control Elevation:	1.00 ft	Discharge Coefficients	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	6.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CyprCkE - Pipe	100y3d	7.13	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	100y3d	7.13	0.00	0.00	1.63	1.63	1.63
CyprCkE - Pipe	10y1d	6.72	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	10y1d	6.72	0.00	0.00	1.63	1.63	1.63
CyprCkE - Pipe	25y3d	6.95	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	25y3d	6.95	0.00	0.00	1.63	1.63	1.63
CyprCkE - Pipe	3Yr1D	6.34	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	3Yr1D	6.34	0.00	0.00	1.63	1.63	1.63
CyprCkE - Pipe	5y1d	6.56	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	5y1d	6.56	0.00	0.00	1.67	1.67	1.67

Weir Link: D_F

Scenario:	Pipes	**Bottom Clip**	
From Node:	D	Default:	0.00 ft
To Node:	F	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	D_F	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_F	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
D_F	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: D_J2

Scenario:	Pipes	**Bottom Clip**	
From Node:	D	Default:	0.00 ft
To Node:	J2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.60 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	D_J2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_J2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: D_offsite

Scenario:	Pipes	**Bottom Clip**	
From Node:	D	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	1.90 ft
Control Elevation:	0.00 ft
Cross Section:	D_offsite

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite	100y3d	74.45	0.00	-0.09	2.28	2.28	2.28
D_offsite	10y1d	42.71	0.00	-0.02	1.98	1.98	1.98
D_offsite	25y3d	58.17	0.00	-0.03	2.13	2.13	2.13
D_offsite	3Yr1D	27.41	0.00	-0.02	1.79	1.79	1.79
D_offsite	5y1d	34.99	0.00	-0.02	1.89	1.89	1.89

Pipe Link: D_offsite1		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.39 ft	Invert:	-0.39 ft
From Node:	D	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	163.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite1	100y3d	3.59	0.00	0.00	2.93	3.58	2.93

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite1	10y1d	3.39	0.00	0.00	2.77	3.48	2.77
D_offsite1	25y3d	3.50	0.00	0.00	2.85	3.48	2.85
D_offsite1	3Yr1D	3.26	0.00	0.00	2.66	3.48	2.66
D_offsite1	5y1d	3.33	0.00	0.00	2.71	3.48	2.71

Pipe Link: D_offsite2		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.83 ft	Invert:	-0.83 ft
From Node:	D	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.67 ft	Max Depth:	0.67 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite2	100y3d	1.90	-0.01	0.00	5.38	5.38	5.38
D_offsite2	10y1d	1.79	-0.01	0.00	5.08	5.08	5.08
D_offsite2	25y3d	1.85	-0.01	0.00	5.23	5.23	5.23
D_offsite2	3Yr1D	1.72	-0.01	0.00	4.88	4.88	4.88
D_offsite2	5y1d	1.76	-0.01	0.00	4.99	4.99	4.99

Weir Link: E1_E2			
Scenario:	Pipes	Bottom Clip	
From Node:	E1	Default:	0.00 ft
To Node:	E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	4.00 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	E1_E2	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E2	100y3d	0.00	-16.03	0.02	-1.40	-1.40	-1.40
E1_E2	10y1d	0.00	-1.39	0.00	0.00	0.00	0.00
E1_E2	25y3d	0.00	-8.50	-0.01	0.00	0.00	0.00
E1_E2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E1_E2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E1_E3

Scenario:	Pipes	Bottom Clip	
From Node:	E1	Default:	0.00 ft
To Node:	E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.20 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E1_E3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E1_F-P		Upstream		Downstream	
Scenario:	Pipes	Invert:	0.73 ft	Invert:	0.73 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	F	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	61.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-P	100y3d	17.02	-28.01	0.18	-4.16	-6.61	-5.30
E1_F-P	10y1d	0.00	-26.61	0.08	-4.05	-6.48	-5.18
E1_F-P	25y3d	13.48	-27.21	0.13	-4.10	-6.54	-5.24
E1_F-P	3Yr1D	0.00	-26.02	0.08	-4.00	-6.42	-5.12
E1_F-P	5y1d	0.00	-26.32	0.08	-4.02	-6.45	-5.15

Weir Link: E1_F-W			
Scenario:	Pipes	Bottom Clip	
From Node:	E1	Default:	0.00 ft
To Node:	F	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	3.50 ft
Control Elevation:	0.00 ft
Cross Section:	E1_F

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-W	100y3d	33.56	-2.62	-0.05	2.06	2.06	2.06
E1_F-W	10y1d	0.00	-1.79	0.00	-0.94	-0.94	-0.94
E1_F-W	25y3d	17.92	-1.78	-0.02	1.67	1.67	1.67
E1_F-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E1_F-W	5y1d	0.00	-0.39	0.00	0.00	0.00	0.00

Weir Link: E1_offsite

Scenario:	Pipes
From Node:	E1
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.20 ft
Control Elevation:	0.00 ft
Cross Section:	E1_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite	100y3d	66.15	0.00	-0.10	2.02	2.02	2.02
E1_offsite	10y1d	6.61	0.00	0.01	1.62	1.62	1.62
E1_offsite	25y3d	31.58	0.00	-0.02	1.79	1.79	1.79

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E1_offsite	5y1d	1.85	0.00	0.00	1.36	1.36	1.36

Pipe Link: E1_offsite1		Upstream		Downstream	
Scenario:	Pipes	Invert:	0.04 ft	Invert:	-1.65 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite1	100y3d	28.90	0.00	-0.68	9.20	9.20	9.20
E1_offsite1	10y1d	26.46	0.00	-0.37	8.42	8.42	8.42
E1_offsite1	25y3d	27.98	0.00	-0.45	8.91	8.91	8.91
E1_offsite1	3Yr1D	23.38	0.00	-0.12	7.44	7.44	7.44
E1_offsite1	5y1d	25.35	0.00	-0.20	8.07	8.07	8.07

Pipe Link: E1_offsite2		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.19 ft	Invert:	-2.62 ft
From Node:	E1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite2	100y3d	15.08	-0.01	-1.21	8.53	8.53	8.53
E1_offsite2	10y1d	13.81	-0.01	-0.42	7.81	7.81	7.81
E1_offsite2	25y3d	14.60	-0.01	-0.53	8.26	8.26	8.26
E1_offsite2	3Yr1D	12.20	-0.01	-0.30	6.90	6.90	6.90
E1_offsite2	5y1d	13.23	-0.01	-0.36	7.49	7.49	7.49

Pipe Link: E1_offsite3		Upstream		Downstream	
Scenario:	Pipes	Invert:	0.73 ft	Invert:	-4.02 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite3	100y3d	6.76	0.00	-0.42	8.61	12.64	8.98
E1_offsite3	10y1d	6.19	0.00	-0.12	7.88	7.88	7.88
E1_offsite3	25y3d	6.55	0.00	-0.28	8.33	8.33	8.33

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite3	3Yr1D	5.47	0.00	-0.03	6.96	6.96	6.96
E1_offsite3	5y1d	5.93	0.00	-0.06	7.55	7.55	7.55

Pipe Link: E1_offsite4		Upstream		Downstream	
Scenario:	Pipes	Invert:	0.20 ft	Invert:	-2.91 ft
From Node:	E1	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite4	100y3d	3.20	0.00	-0.02	4.07	4.07	4.07
E1_offsite4	10y1d	2.93	0.00	0.00	3.73	3.73	3.73
E1_offsite4	25y3d	3.09	0.00	0.02	3.94	3.94	3.94
E1_offsite4	3Yr1D	2.59	0.00	0.01	3.29	3.29	3.29
E1_offsite4	5y1d	2.80	0.00	0.00	3.57	3.57	3.57

Pipe Link: E1_offsite5		Upstream		Downstream	
Scenario:	Pipes	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite5	100y3d	4.28	0.00	0.18	7.91	7.91	7.91
E1_offsite5	10y1d	3.92	0.00	-0.08	7.25	7.25	7.25
E1_offsite5	25y3d	4.15	0.00	0.12	7.66	7.66	7.66
E1_offsite5	3Yr1D	3.46	0.00	-0.03	6.40	6.40	6.40
E1_offsite5	5y1d	3.76	0.00	-0.05	6.94	6.94	6.94

Pipe Link: E1_offsite6		Upstream		Downstream	
Scenario:	Pipes	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite6	100y3d	1.19	0.00	-0.06	6.07	6.90	6.07
E1_offsite6	10y1d	1.09	0.00	-0.03	5.56	5.56	5.56
E1_offsite6	25y3d	1.15	0.00	-0.03	5.88	5.88	5.88

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite6	3Yr1D	0.96	0.00	-0.02	4.91	4.91	4.91
E1_offsite6	5y1d	1.05	0.00	-0.04	5.32	5.32	5.32

Pipe Link: E1_offsite7		Upstream		Downstream	
Scenario:	Pipes	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	44.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite7	100y3d	60.09	0.00	1.80	12.24	12.24	12.24
E1_offsite7	10y1d	55.02	0.00	-0.65	11.21	11.21	11.21
E1_offsite7	25y3d	58.18	0.00	2.61	11.85	11.85	11.85
E1_offsite7	3Yr1D	48.62	0.00	-1.98	9.90	9.90	9.90
E1_offsite7	5y1d	52.71	0.00	-0.87	10.74	10.74	10.74

Weir Link: E2_offsite			
Scenario:	Pipes	Bottom Clip	
From Node:	E2	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	4.00 ft
Control Elevation:	0.00 ft
Cross Section:	E2_offsite

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite	100y3d	16.03	0.00	-0.02	1.40	1.40	1.40
E2_offsite	10y1d	1.39	0.00	0.00	0.97	0.97	0.97
E2_offsite	25y3d	8.50	0.00	0.01	1.25	1.25	1.25
E2_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E2_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E2_offsite1		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.20 ft	Invert:	-4.24 ft
From Node:	E2	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	136.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite1	100y3d	6.74	-0.01	-0.20	8.58	8.94	8.58
E2_offsite1	10y1d	6.57	-0.01	-0.06	8.36	8.94	8.36
E2_offsite1	25y3d	6.67	-0.01	0.11	8.50	8.94	8.50

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite1	3Yr1D	5.96	-0.01	-0.04	7.59	8.94	7.59
E2_offsite1	5y1d	6.35	-0.01	-0.08	8.09	8.94	8.09

Pipe Link: E2_offsite2		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.20 ft	Invert:	-4.24 ft
From Node:	E2	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.66 ft	Max Depth:	0.66 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	116.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite2	100y3d	2.55	-0.01	-0.28	7.46	10.60	7.81
E2_offsite2	10y1d	2.49	-0.01	-0.28	7.27	10.60	7.81
E2_offsite2	25y3d	2.53	-0.01	-0.28	7.38	10.60	7.81
E2_offsite2	3Yr1D	2.26	-0.01	-0.28	6.60	10.60	7.81
E2_offsite2	5y1d	2.40	-0.01	-0.28	7.03	10.60	7.81

Weir Link: E3_E2			
Scenario:	Pipes	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	7.20 ft
Control Elevation:	0.00 ft
Cross Section:	E3_E2

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_E2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E3_F

Scenario:	Pipes
From Node:	E3
To Node:	F
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.90 ft
Control Elevation:	0.00 ft
Cross Section:	E3_F

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_F	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_F	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E3_G-P		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.72 ft	Invert:	-0.72 ft
From Node:	E3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	G	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_G-P	100y3d	4.07	-7.11	-0.31	-5.79	-5.79	-5.79
E3_G-P	10y1d	4.07	-7.61	-0.31	-6.20	-6.20	-6.20
E3_G-P	25y3d	4.07	-7.62	-0.31	-6.21	-6.21	-6.21
E3_G-P	3Yr1D	4.07	-7.64	-0.31	-6.23	-6.23	-6.23
E3_G-P	5y1d	4.07	-7.64	-0.31	-6.23	-6.23	-6.23

Weir Link: E3_G-W			
Scenario:	Pipes	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	G	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.90 ft	Discharge Coefficients	

Control Elevation:	0.00 ft		
Cross Section:	E3_G	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_G-W	100y3d	0.00	-94.47	-0.05	-1.72	-1.72	-1.72
E3_G-W	10y1d	0.00	-56.61	-0.04	-1.63	-1.63	-1.63
E3_G-W	25y3d	0.00	-73.77	-0.04	-1.71	-1.71	-1.71
E3_G-W	3Yr1D	0.00	-35.08	-0.04	-1.41	-1.41	-1.41
E3_G-W	5y1d	0.00	-45.91	-0.04	-1.54	-1.54	-1.54

Weir Link: E3_H

Scenario:	Pipes	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	H	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.40 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_H	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_H	100y3d	0.00	-78.79	0.05	-2.62	-2.62	-2.62
E3_H	10y1d	0.00	-61.02	-0.02	-2.55	-2.55	-2.55
E3_H	25y3d	0.00	-73.14	-0.03	-2.60	-2.60	-2.60
E3_H	3Yr1D	0.00	-47.60	0.02	-2.46	-2.46	-2.46
E3_H	5y1d	0.00	-54.34	-0.02	-2.51	-2.51	-2.51

Weir Link: E3_J3			
Scenario:	Pipes	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.40 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E3_offsite			
Scenario:	Pipes	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite	100y3d	56.23	0.00	0.04	1.79	1.79	1.79
E3_offsite	10y1d	7.03	0.00	0.01	1.43	1.43	1.43
E3_offsite	25y3d	27.40	0.00	0.02	1.65	1.65	1.65
E3_offsite	3Yr1D	0.18	0.00	0.00	0.62	0.62	0.62
E3_offsite	5y1d	2.56	0.00	0.00	1.24	1.24	1.24

Pipe Link: E3_offsite1		Upstream		Downstream	
Scenario:	Pipes	Invert:	0.49 ft	Invert:	-1.77 ft
From Node:	E3	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	143.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite1	100y3d	35.95	0.00	-6.81	11.44	15.97	12.37
E3_offsite1	10y1d	34.14	0.00	-2.12	10.87	11.42	10.87
E3_offsite1	25y3d	35.21	0.00	-2.83	11.21	14.07	11.21
E3_offsite1	3Yr1D	32.46	0.00	-1.85	10.33	10.33	10.33
E3_offsite1	5y1d	33.42	0.00	-1.31	10.64	10.64	10.64

Pipe Link: E3_offsite2		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.83 ft	Invert:	-2.48 ft
From Node:	E3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	114.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite2	100y3d	15.69	-0.01	2.64	8.88	8.88	8.88
E3_offsite2	10y1d	14.90	-0.01	-2.53	8.43	8.43	8.43
E3_offsite2	25y3d	15.36	-0.01	2.55	8.69	8.69	8.69
E3_offsite2	3Yr1D	14.16	-0.01	-1.54	8.01	8.01	8.01
E3_offsite2	5y1d	14.58	-0.01	-1.39	8.25	8.25	8.25

Weir Link: F_J2

Scenario:	Pipes	Bottom Clip			
From Node:	F	Default:	0.00 ft		
To Node:	J2	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000 ft	Default:	0.00 ft		
Weir Type:	Broad Crested Vertical	Op Table:			
Geometry Type:	Irregular	Ref Node:			
Invert:	4.70 ft	Discharge Coefficients			
Control Elevation:	0.00 ft	Weir Default:	2.800		
Cross Section:	F_J2	Weir Table:			
		Orifice Default:	0.600		
		Orifice Table:			

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J2	100y3d	0.00	-73.08	0.03	0.00	0.00	0.00
F_J2	10y1d	0.00	-36.43	-0.02	0.00	0.00	0.00
F_J2	25y3d	0.00	-54.11	-0.02	0.00	0.00	0.00
F_J2	3Yr1D	0.00	-23.04	-0.01	0.00	0.00	0.00
F_J2	5y1d	0.00	-29.47	-0.02	0.00	0.00	0.00

Weir Link: F_J3

Scenario:	Pipes	**Bottom Clip**	
From Node:	F	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.70 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	F_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: F_offsite-P

		Upstream		Downstream	
Scenario:	Pipes	Invert:	0.13 ft	Invert:	0.13 ft
From Node:	F	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	21.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_offsite-P	100y3d	19.06	0.00	-0.05	10.79	11.06	10.92
F_offsite-P	10y1d	17.44	0.00	-0.05	9.87	10.12	9.99
F_offsite-P	25y3d	18.47	0.00	-0.05	10.45	10.71	10.58
F_offsite-P	3Yr1D	16.26	0.00	-0.05	9.20	9.43	9.31
F_offsite-P	5y1d	16.91	0.00	-0.05	9.57	9.81	9.69

Weir Link: F_offsite-W

Scenario:	Pipes	Bottom Clip	
From Node:	F	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.10 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	F_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_offsite-W	100y3d	182.50	0.00	-0.13	2.46	2.46	2.46
F_offsite-W	10y1d	59.25	0.00	0.06	1.84	1.84	1.84

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_offsite-W	25y3d	128.40	0.00	0.10	2.23	2.23	2.23
F_offsite-W	3Yr1D	13.60	0.00	0.03	1.27	1.27	1.27
F_offsite-W	5y1d	34.65	0.00	0.05	1.60	1.60	1.60

Weir Link: G_J3

Scenario:	Pipes	Bottom Clip	
From Node:	G	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	G_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
G_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: H_G

Scenario:	Pipes	Bottom Clip	
From Node:	H	Default:	0.00 ft
To Node:	G	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	3.80 ft
Control Elevation:	0.00 ft
Cross Section:	H_G

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_G	100y3d	60.39	0.00	-0.04	2.15	2.15	2.15
H_G	10y1d	34.77	0.00	0.02	2.03	2.03	2.03
H_G	25y3d	49.57	0.00	0.02	2.13	2.13	2.13
H_G	3Yr1D	23.33	0.00	0.01	1.86	1.86	1.86
H_G	5y1d	29.02	0.00	0.01	1.96	1.96	1.96

Weir Link: H_I

Scenario:	Pipes
From Node:	H
To Node:	I
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.80 ft
Control Elevation:	0.00 ft
Cross Section:	H_I

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_I	100y3d	70.83	0.00	0.02	2.34	2.34	2.34
H_I	10y1d	33.99	0.00	0.01	2.17	2.17	2.17
H_I	25y3d	50.04	0.00	0.02	2.30	2.30	2.30
H_I	3Yr1D	24.01	0.00	-0.01	2.01	2.01	2.01

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_I	5y1d	29.02	0.00	0.01	2.10	2.10	2.10

Weir Link: H_J3

Scenario:	Pipes	**Bottom Clip**	
From Node:	H	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	H_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_J3	100y3d	0.00	-163.74	0.09	-3.11	-3.11	-3.11
H_J3	10y1d	0.00	-103.51	-0.04	-2.74	-2.74	-2.74
H_J3	25y3d	0.00	-135.17	-0.05	-2.95	-2.95	-2.95
H_J3	3Yr1D	0.00	-77.86	0.02	-2.56	-2.56	-2.56
H_J3	5y1d	0.00	-90.75	-0.03	-2.65	-2.65	-2.65

Weir Link: I_E3

Scenario:	Pipes	**Bottom Clip**	
From Node:	I	Default:	0.00 ft
To Node:	E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800

Cross Section: I_E3

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_E3	100y3d	2.92	-111.59	-0.06	-3.53	-3.53	-3.53
I_E3	10y1d	4.66	-71.35	-0.08	-3.04	-3.04	-3.04
I_E3	25y3d	3.28	-94.91	-0.04	-3.34	-3.34	-3.34
I_E3	3Yr1D	4.62	-43.18	-0.11	-2.57	-2.57	-2.57
I_E3	5y1d	4.66	-58.46	-0.09	-2.85	-2.85	-2.85

Weir Link: I_J3

Scenario: Pipes
From Node: I
To Node: J3
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 7.70 ft
Control Elevation: 0.00 ft
Cross Section: I_J3

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: I_offsite

Scenario:	Pipes	**Bottom Clip**	
From Node:	I	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	I_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_offsite	100y3d	214.95	0.00	0.09	2.23	2.23	2.23
I_offsite	10y1d	118.97	0.00	0.07	1.94	1.94	1.94
I_offsite	25y3d	168.95	0.00	0.08	2.10	2.10	2.10
I_offsite	3Yr1D	74.51	0.00	0.06	1.76	1.76	1.76
I_offsite	5y1d	97.68	0.00	0.06	1.86	1.86	1.86

Weir Link: J1_J2

Scenario:	Pipes	**Bottom Clip**	
From Node:	J1	Default:	0.00 ft
To Node:	J2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.20 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J1_J2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_J2	100y3d	1.92	0.00	0.00	0.78	0.78	0.78
J1_J2	10y1d	0.01	0.00	0.00	0.00	0.00	0.00
J1_J2	25y3d	0.60	0.00	0.00	0.57	0.57	0.57
J1_J2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J1_J2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: J1_offsite

Scenario:	Pipes	Bottom Clip	
From Node:	J1	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.70 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J1_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_offsite	100y3d	62.49	0.00	-0.08	1.68	1.68	1.68
J1_offsite	10y1d	34.57	0.00	0.01	1.53	1.53	1.53
J1_offsite	25y3d	49.82	0.00	-0.03	1.61	1.61	1.61
J1_offsite	3Yr1D	22.09	0.00	-0.01	1.44	1.44	1.44
J1_offsite	5y1d	28.22	0.00	0.01	1.49	1.49	1.49

Weir Link: J2_J3

Scenario:	Pipes	Bottom Clip	
From Node:	J2	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	7.30 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	J2_J3	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J2_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: J2_offsite

Scenario:	Pipes	Bottom Clip	
From Node:	J2	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.60 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J2_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J2_offsite	100y3d	65.49	0.00	0.03	2.75	2.75	2.75

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J2_offsite	10y1d	42.19	0.00	0.02	2.43	2.43	2.43
J2_offsite	25y3d	54.90	0.00	0.02	2.62	2.62	2.62
J2_offsite	3Yr1D	29.79	0.00	0.01	2.23	2.23	2.23
J2_offsite	5y1d	36.11	0.00	0.02	2.34	2.34	2.34

Pipe Link: J3_K		Upstream		Downstream	
Scenario:	Pipes	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	J3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	K	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	517.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_K	100y3d	0.00	-28.99	0.35	-5.91	-5.91	-5.91
J3_K	10y1d	0.00	-29.21	0.35	-5.95	-5.95	-5.95
J3_K	25y3d	0.00	-29.05	0.35	-5.92	-5.92	-5.92
J3_K	3Yr1D	0.00	-29.24	0.35	-5.96	-5.96	-5.96
J3_K	5y1d	0.00	-29.30	0.35	-5.97	-5.97	-5.97

Weir Link: J3_offsite			
Scenario:	Pipes	Bottom Clip	
From Node:	J3	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	6.50 ft
Control Elevation:	0.00 ft
Cross Section:	J3_offsite

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_offsite	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: K_M

Scenario:	Pipes
From Node:	K
To Node:	M
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	8.20 ft
Control Elevation:	0.00 ft
Cross Section:	K_M

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_M	100y3d	13.15	0.00	-0.02	1.42	1.42	1.42
K_M	10y1d	4.37	0.00	0.01	1.06	1.06	1.06

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_M	25y3d	9.44	0.00	0.01	1.29	1.29	1.29
K_M	3Yr1D	0.01	0.00	0.00	0.00	0.00	0.00
K_M	5y1d	1.98	0.00	0.01	0.87	0.87	0.87

Weir Link: K_N

Scenario:	Pipes	**Bottom Clip**	
From Node:	K	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	K_N	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_N	100y3d	5.96	0.00	-0.01	1.06	1.06	1.06
K_N	10y1d	0.61	0.00	0.00	0.63	0.63	0.63
K_N	25y3d	3.14	0.00	0.00	0.91	0.91	0.91
K_N	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
K_N	5y1d	0.04	0.00	0.00	0.00	0.00	0.00

Weir Link: K_O

Scenario:	Pipes	**Bottom Clip**	
From Node:	K	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	10.20 ft
Control Elevation:	0.00 ft
Cross Section:	K_O

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
K_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: K_offsite

Scenario:	Pipes
From Node:	K
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	7.80 ft
Control Elevation:	0.00 ft
Cross Section:	K_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_offsite	100y3d	91.84	0.00	-0.13	1.50	1.50	1.50
K_offsite	10y1d	37.72	0.00	0.07	1.35	1.35	1.35
K_offsite	25y3d	67.77	0.00	0.08	1.43	1.43	1.43
K_offsite	3Yr1D	9.52	0.00	0.01	1.28	1.28	1.28

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_offsite	5y1d	23.95	0.00	0.04	1.31	1.31	1.31

Weir Link: L_M-W

Scenario:	Pipes	**Bottom Clip**	
From Node:	L	Default:	0.00 ft
To Node:	M	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.40 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	L_M	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_M-W	100y3d	0.00	-180.14	-0.14	0.00	0.00	0.00
L_M-W	10y1d	0.00	-62.18	-0.09	0.00	0.00	0.00
L_M-W	25y3d	0.00	-125.53	-0.10	0.00	0.00	0.00
L_M-W	3Yr1D	0.00	-15.37	-0.01	0.00	0.00	0.00
L_M-W	5y1d	0.00	-36.23	-0.02	0.00	0.00	0.00

Weir Link: L_W

Scenario:	Pipes	**Bottom Clip**	
From Node:	L	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800

Cross Section: L_W

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_W	100y3d	36.50	-71.84	0.13	-1.77	-1.77	-1.77
L_W	10y1d	31.56	-15.18	0.03	1.59	1.59	1.59
L_W	25y3d	35.40	-49.92	0.09	-1.69	-1.69	-1.69
L_W	3Yr1D	0.28	-0.30	0.00	-0.58	-0.58	-0.58
L_W	5y1d	7.64	-4.95	0.03	1.27	1.27	1.27

Weir Link: L_offsite

Scenario: Pipes
From Node: L
To Node: Outfall South
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.60 ft
Control Elevation: 0.00 ft
Cross Section: L_offsite

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite	100y3d	179.96	0.00	0.23	2.33	2.33	2.33
L_offsite	10y1d	12.31	0.00	-0.01	1.36	1.36	1.36
L_offsite	25y3d	90.51	0.00	0.06	2.10	2.10	2.10
L_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite	5y1d	0.25	0.00	0.00	0.00	0.00	0.00

Pipe Link: L_offsite1		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.53 ft	Invert:	-1.41 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1075.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite1	100y3d	12.89	-0.01	-0.03	4.10	4.10	4.10
L_offsite1	10y1d	11.62	-0.01	-0.03	3.70	3.70	3.70
L_offsite1	25y3d	12.44	-0.01	-0.03	3.96	3.96	3.96
L_offsite1	3Yr1D	10.43	-0.01	-0.01	3.32	3.67	3.32
L_offsite1	5y1d	11.04	-0.01	-0.02	3.51	3.67	3.51

Pipe Link: L_offsite2		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.64 ft	Invert:	-2.24 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	199.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite2	100y3d	12.77	-0.03	-0.03	7.23	7.23	7.23
L_offsite2	10y1d	11.51	-0.03	-0.03	6.51	6.51	6.51
L_offsite2	25y3d	12.32	-0.03	-0.03	6.97	6.97	6.97
L_offsite2	3Yr1D	10.34	-0.03	-0.01	5.85	5.85	5.85
L_offsite2	5y1d	10.93	-0.03	-0.02	6.19	6.19	6.19

Pipe Link: L_offsite3		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.43 ft	Invert:	-2.27 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	183.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite3	100y3d	13.19	-0.03	-0.03	7.47	7.47	7.47
L_offsite3	10y1d	11.89	-0.03	-0.03	6.73	6.73	6.73
L_offsite3	25y3d	12.73	-0.03	-0.03	7.20	7.20	7.20
L_offsite3	3Yr1D	10.68	-0.03	-0.01	6.04	6.04	6.04
L_offsite3	5y1d	11.29	-0.03	-0.02	6.39	6.39	6.39

Pipe Link: L_offsite4		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.27 ft	Invert:	-2.01 ft
From Node:	L	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	176.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite4	100y3d	34.13	-0.03	0.93	10.86	10.86	10.86
L_offsite4	10y1d	30.76	-0.03	0.93	9.79	9.79	9.79
L_offsite4	25y3d	32.92	-0.03	0.93	10.48	10.48	10.48
L_offsite4	3Yr1D	27.62	-0.03	0.93	8.79	8.79	8.79
L_offsite4	5y1d	29.21	-0.03	0.93	9.30	9.30	9.30

Pipe Link: L_offsite5		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.57 ft	Invert:	-2.20 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	663.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite5	100y3d	2.62	0.00	-0.01	3.33	3.33	3.33
L_offsite5	10y1d	2.36	0.00	-0.01	3.00	3.00	3.00
L_offsite5	25y3d	2.53	0.00	-0.01	3.22	3.22	3.22
L_offsite5	3Yr1D	2.12	0.00	0.00	2.70	2.70	2.70
L_offsite5	5y1d	2.24	0.00	0.00	2.85	2.85	2.85

Pipe Link: L_offsite6		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.25 ft	Invert:	-2.20 ft
From Node:	L	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	177.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite6	100y3d	34.08	-0.03	1.58	10.85	10.85	10.85
L_offsite6	10y1d	30.71	-0.03	1.58	9.78	9.78	9.78
L_offsite6	25y3d	32.88	-0.03	1.58	10.46	10.46	10.46
L_offsite6	3Yr1D	27.58	-0.03	1.58	8.78	8.78	8.78
L_offsite6	5y1d	29.17	-0.03	1.58	9.29	9.29	9.29

Pipe Link: L_offsite7		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.67 ft	Invert:	-1.14 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	160.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite7	100y3d	20.36	-0.01	-0.04	8.46	8.46	8.46
L_offsite7	10y1d	18.35	-0.01	-0.04	7.63	7.63	7.63
L_offsite7	25y3d	19.64	-0.01	-0.05	8.16	8.16	8.16
L_offsite7	3Yr1D	16.47	-0.01	-0.02	6.85	6.85	6.85
L_offsite7	5y1d	17.42	-0.01	-0.03	7.24	7.24	7.24

Pipe Link: L_offsite8		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.99 ft	Invert:	-1.64 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	165.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite8	100y3d	4.92	-0.01	-0.01	6.26	6.26	6.26
L_offsite8	10y1d	4.43	-0.01	-0.01	5.64	5.64	5.64
L_offsite8	25y3d	4.75	-0.01	-0.01	6.04	6.04	6.04
L_offsite8	3Yr1D	3.98	-0.01	-0.01	5.07	5.07	5.07
L_offsite8	5y1d	4.21	-0.01	-0.01	5.36	5.36	5.36

Pipe Link: L_offsite9		Upstream		Downstream	
Scenario:	Pipes	Invert:	-2.89 ft	Invert:	-1.89 ft
From Node:	L	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.67 ft	Max Depth:	0.67 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of L_offsite1/2/3/4/5/6/7/8
N is for clay

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite9	100y3d	1.74	0.00	0.00	4.92	4.92	4.92
L_offsite9	10y1d	1.56	0.00	0.00	4.44	4.44	4.44
L_offsite9	25y3d	1.67	0.00	0.00	4.75	4.75	4.75
L_offsite9	3Yr1D	1.40	0.00	0.00	3.98	3.98	3.98
L_offsite9	5y1d	1.49	0.00	0.00	4.21	4.21	4.21

Pipe Link: M_N-P		Upstream		Downstream	
Scenario:	Pipes	Invert:	-5.00 ft	Invert:	-5.00 ft
From Node:	M	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	132.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_N-P	100y3d	14.45	-9.44	0.84	8.18	8.18	8.18
M_N-P	10y1d	13.08	-7.52	0.84	7.40	7.40	7.40
M_N-P	25y3d	13.34	-7.61	0.84	7.55	7.55	7.55
M_N-P	3Yr1D	13.31	-9.25	0.84	7.53	7.53	7.53
M_N-P	5y1d	13.17	-8.54	0.84	7.45	7.45	7.45

Weir Link: M_N-W

Scenario:	Pipes	Bottom Clip	
From Node:	M	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.60 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	M_N	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_N-W	100y3d	0.00	-24.86	-0.15	0.00	0.00	0.00
M_N-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: M_W

Scenario:	Pipes	**Bottom Clip**	
From Node:	M	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.20 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	M_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_W	100y3d	5.97	0.00	0.01	1.72	1.72	1.72
M_W	10y1d	0.37	0.00	0.00	0.86	0.86	0.86
M_W	25y3d	2.99	0.00	0.00	1.48	1.48	1.48
M_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: M_offsite-W

Scenario:	Pipes	**Bottom Clip**	
From Node:	M	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	6.10 ft
Control Elevation:	0.00 ft
Cross Section:	M_offsite

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_offsite-W	100y3d	13.46	0.00	0.01	1.89	1.89	1.89
M_offsite-W	10y1d	1.68	0.00	0.00	1.13	1.13	1.13
M_offsite-W	25y3d	7.84	0.00	0.01	1.66	1.66	1.66
M_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_offsite-W	5y1d	0.10	0.00	0.00	0.51	0.51	0.51

Weir Link: N_O

Scenario:	Pipes
From Node:	N
To Node:	O
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	9.30 ft
Control Elevation:	0.00 ft
Cross Section:	N_O

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
N_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: N_O1		Upstream		Downstream	
Scenario:	Pipes	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	41.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O1	100y3d	8.64	-6.23	0.49	7.04	7.04	7.04
N_O1	10y1d	8.64	-1.99	-0.47	7.04	7.04	7.04
N_O1	25y3d	8.64	-4.99	0.51	7.04	7.04	7.04
N_O1	3Yr1D	8.64	-0.07	-0.45	7.04	7.04	7.04
N_O1	5y1d	8.64	-0.99	-0.44	7.04	7.04	7.04

Pipe Link: N_O2		Upstream		Downstream	
Scenario:	Pipes	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O2	100y3d	11.86	-8.55	0.67	6.71	6.71	6.71
N_O2	10y1d	11.86	-2.73	-0.65	6.71	6.71	6.71
N_O2	25y3d	11.86	-6.85	0.70	6.71	6.71	6.71
N_O2	3Yr1D	11.86	-0.09	-0.61	6.71	6.71	6.71
N_O2	5y1d	11.86	-1.36	-0.61	6.71	6.71	6.71

Pipe Link: N_O3		Upstream		Downstream	
Scenario:	Pipes	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O3	100y3d	23.48	-16.93	1.32	7.48	7.48	7.48
N_O3	10y1d	23.48	-5.41	-1.28	7.48	7.48	7.48

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O3	25y3d	23.48	-13.56	1.39	7.48	7.48	7.48
N_O3	3Yr1D	23.48	-0.18	-1.21	7.48	7.48	7.48
N_O3	5y1d	23.48	-2.69	-1.21	7.48	7.48	7.48

Pipe Link: N_W-P		Upstream		Downstream	
Scenario:	Pipes	Invert:	-5.59 ft	Invert:	-5.59 ft
From Node:	N	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	177.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-P	100y3d	59.32	-0.25	1.95	8.39	8.39	8.39
N_W-P	10y1d	59.32	-0.19	1.93	8.39	8.39	8.39
N_W-P	25y3d	59.32	-0.25	1.93	8.39	8.39	8.39
N_W-P	3Yr1D	59.32	-0.20	2.31	8.39	8.39	8.39
N_W-P	5y1d	59.32	-0.20	2.12	8.39	8.39	8.39

Weir Link: N_W-W			
Scenario:	Pipes	Bottom Clip	
From Node:	N	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	9.40 ft
Control Elevation:	0.00 ft
Cross Section:	N_W

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: O_offsite

Scenario:	Pipes
From Node:	O
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.00 ft
Control Elevation:	0.00 ft
Cross Section:	O_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
O_offsite	100y3d	79.38	0.00	0.05	3.81	3.81	3.81
O_offsite	10y1d	26.18	0.00	0.02	2.82	2.82	2.82
O_offsite	25y3d	56.70	0.00	0.03	3.44	3.44	3.44

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
O_offsite	3Yr1D	5.53	0.00	0.00	1.97	1.97	1.97
O_offsite	5y1d	15.28	0.00	0.01	2.63	2.63	2.63

Drop Structure Link: Oleander		Upstream Pipe		Downstream Pipe	
Scenario:	Pipes	Invert:	-5.25 ft	Invert:	-5.50 ft
From Node:	A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	112.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	1.00 ft	Ref Node:	
Control Elevation:	1.00 ft	Discharge Coefficients	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	8.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Oleander - Pipe	100y3d	29.56	0.00	-0.02	0.00	0.00	0.00
Oleander - Weir: 2	100y3d	29.56	0.00	-0.02	2.54	2.54	2.54
Oleander - Pipe	10y1d	27.15	0.00	-0.02	0.00	0.00	0.00
Oleander - Weir: 2	10y1d	27.15	0.00	-0.02	2.46	2.46	2.46
Oleander - Pipe	25y3d	28.55	0.00	-0.02	0.00	0.00	0.00
Oleander - Weir: 2	25y3d	28.55	0.00	-0.01	2.50	2.50	2.50
Oleander - Pipe	3Yr1D	24.96	0.00	-0.04	0.00	0.00	0.00
Oleander - Weir: 2	3Yr1D	24.96	0.00	-0.03	2.40	2.40	2.40
Oleander - Pipe	5y1d	26.25	0.00	-0.02	0.00	0.00	0.00
Oleander - Weir: 2	5y1d	26.25	0.00	-0.01	2.43	2.43	2.43

Weir Link: P1_P2

Scenario:	Pipes	**Bottom Clip**	
From Node:	P1	Default:	0.00 ft
To Node:	P2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P1_P2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_P2	100y3d	0.00	-7.03	-0.01	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_P2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P1_P2	25y3d	0.00	-2.66	0.00	0.00	0.00	0.00
P1_P2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_P2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_P3

Scenario:	Pipes	**Bottom Clip**	
From Node:	P1	Default:	0.00 ft
To Node:	P3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.40 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P1_P3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_P3	100y3d	1.90	0.00	0.00	1.11	1.11	1.11
P1_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P1_P3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
P1_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_W

Scenario:	Pipes	**Bottom Clip**	
From Node:	P1	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	3.30 ft
Control Elevation:	0.00 ft
Cross Section:	P1_W

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_W	100y3d	40.35	-31.18	-0.08	-1.30	-1.30	-1.30
P1_W	10y1d	11.07	-30.73	-0.04	-1.42	-1.42	-1.42
P1_W	25y3d	31.38	-29.36	-0.10	-1.31	-1.31	-1.31
P1_W	3Yr1D	0.00	-0.50	0.00	0.00	0.00	0.00
P1_W	5y1d	3.96	-9.85	-0.03	-1.18	-1.18	-1.18

Weir Link: P1_offsite

Scenario:	Pipes
From Node:	P1
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.10 ft
Control Elevation:	0.00 ft
Cross Section:	P1_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite	100y3d	10.32	0.00	0.02	1.47	1.47	1.47
P1_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P1_offsite	25y3d	1.65	0.00	0.00	1.22	1.22	1.22

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P1_offsite1		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.27 ft	Invert:	-3.76 ft
From Node:	P1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	132.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite1	100y3d	36.48	0.00	-0.31	11.61	11.61	11.61
P1_offsite1	10y1d	32.39	0.00	-0.31	10.31	10.31	10.31
P1_offsite1	25y3d	35.15	0.00	-0.31	11.19	11.19	11.19
P1_offsite1	3Yr1D	27.66	0.00	-0.31	8.80	8.80	8.80
P1_offsite1	5y1d	30.36	0.00	-0.31	9.67	9.67	9.67

Pipe Link: P1_offsite2		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.57 ft	Invert:	-2.40 ft
From Node:	P1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P1_offsite1/2, n = 0.012, size = 18"

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite2	100y3d	15.58	-0.01	-3.10	8.82	8.82	8.82
P1_offsite2	10y1d	13.84	-0.01	-3.10	7.83	7.96	7.83
P1_offsite2	25y3d	15.02	-0.01	-3.10	8.50	8.50	8.50
P1_offsite2	3Yr1D	11.82	-0.01	-3.10	6.69	7.96	6.92
P1_offsite2	5y1d	12.97	-0.01	-3.10	7.34	7.96	7.34

Pipe Link: P1_offsite3		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.57 ft	Invert:	-2.40 ft
From Node:	P1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	130.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P1_offsite1/2

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite3	100y3d	1.25	0.00	-0.04	6.38	6.38	6.38
P1_offsite3	10y1d	1.11	0.00	-0.04	5.67	5.67	5.67
P1_offsite3	25y3d	1.21	0.00	-0.05	6.15	6.15	6.15

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite3	3Yr1D	0.95	0.00	-0.04	4.84	5.42	4.84
P1_offsite3	5y1d	1.04	0.00	-0.04	5.31	5.42	5.31

Weir Link: P2_P3

Scenario:	Pipes
From Node:	P2
To Node:	P3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.90 ft
Control Elevation:	0.00 ft
Cross Section:	P2_P3

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_P3	100y3d	4.54	0.00	0.00	1.27	1.27	1.27
P2_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P2_P3	25y3d	1.84	0.00	0.00	1.01	1.01	1.01
P2_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P2_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P2_offsite-P

Scenario:	Pipes
From Node:	P2
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	127.00 ft
FHWA Code:	0
Entr Loss Coef:	0.50

Upstream

Invert:	1.23 ft
Manning's N:	0.0120

Geometry: Circular

Max Depth:	1.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream

Invert:	1.23 ft
Manning's N:	0.0120

Geometry: Circular

Max Depth:	1.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_offsite-P	100y3d	5.33	0.00	0.00	6.79	6.99	6.89
P2_offsite-P	10y1d	5.00	0.00	0.00	6.37	6.63	6.50
P2_offsite-P	25y3d	5.24	0.00	0.00	6.68	6.89	6.78
P2_offsite-P	3Yr1D	4.44	0.00	0.00	5.65	6.05	5.85
P2_offsite-P	5y1d	4.79	0.00	0.00	6.09	6.40	6.25

Weir Link: P2_offsite-W

Scenario:	Pipes	Bottom Clip	
From Node:	P2	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P2_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_offsite-W	100y3d	2.38	0.00	0.00	1.28	1.28	1.28
P2_offsite-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P2_offsite-W	25y3d	1.03	0.00	0.00	1.09	1.09	1.09
P2_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P2_offsite-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P3_Q			
Scenario:	Pipes	**Bottom Clip**	
From Node:	P3	Default:	0.00 ft
To Node:	Q	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.20 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P3_Q	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q	100y3d	0.00	-23.07	0.04	0.00	0.00	0.00
P3_Q	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P3_Q	25y3d	0.00	-9.61	0.02	0.00	0.00	0.00
P3_Q	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P3_Q	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P3_Q1		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.80 ft	Invert:	-1.80 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Q	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	369.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q1	100y3d	0.02	-47.12	0.93	-6.67	-6.67	-6.67
P3_Q1	10y1d	0.02	-36.09	0.93	-5.11	-5.11	-5.11
P3_Q1	25y3d	0.02	-43.98	0.93	-6.22	-6.22	-6.22
P3_Q1	3Yr1D	0.02	-36.09	0.93	-5.11	-5.11	-5.11
P3_Q1	5y1d	0.02	-36.09	0.93	-5.11	-5.11	-5.11

Pipe Link: P3_Q2		Upstream		Downstream	
Scenario:	Pipes	Invert:	-3.05 ft	Invert:	-3.05 ft
From Node:	P3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Q	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q2	100y3d	0.01	-17.23	0.34	-9.75	-9.75	-9.75
P3_Q2	10y1d	0.01	-13.20	0.34	-7.47	-7.47	-7.47
P3_Q2	25y3d	0.01	-16.08	0.34	-9.10	-9.10	-9.10
P3_Q2	3Yr1D	0.01	-13.20	0.34	-7.47	-7.47	-7.47
P3_Q2	5y1d	0.01	-13.20	0.34	-7.47	-7.47	-7.47

Weir Link: P3_W			
Scenario:	Pipes	Bottom Clip	
From Node:	P3	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.70 ft
Control Elevation:	0.00 ft
Cross Section:	P3_W

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P3_offsite

Scenario:	Pipes
From Node:	P3
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	2.90 ft
Control Elevation:	0.00 ft
Cross Section:	P3_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite	100y3d	136.37	0.00	-0.13	2.44	2.44	2.44
P3_offsite	10y1d	65.01	0.00	0.04	1.95	1.95	1.95
P3_offsite	25y3d	101.41	0.00	-0.05	2.23	2.23	2.23
P3_offsite	3Yr1D	33.49	0.00	-0.03	1.62	1.62	1.62
P3_offsite	5y1d	49.40	0.00	-0.03	1.81	1.81	1.81

Pipe Link: P3_offsite1		Upstream		Downstream	
Scenario:	Pipes	Invert:	0.02 ft	Invert:	-3.86 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	285.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite1	100y3d	3.53	0.00	-0.20	4.60	4.49	4.49
P3_offsite1	10y1d	3.53	0.00	-0.19	4.60	4.49	4.49
P3_offsite1	25y3d	3.53	0.00	-0.20	4.60	4.49	4.49
P3_offsite1	3Yr1D	3.53	0.00	-0.20	4.60	4.49	4.49
P3_offsite1	5y1d	3.53	0.00	-0.19	4.60	4.49	4.49

Pipe Link: P3_offsite2		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.20 ft	Invert:	-5.27 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite2	100y3d	11.93	-0.05	-0.04	9.72	9.72	9.72
P3_offsite2	10y1d	11.93	-0.05	-0.04	9.72	9.72	9.72
P3_offsite2	25y3d	11.93	-0.05	-0.04	9.72	9.72	9.72
P3_offsite2	3Yr1D	11.93	-0.05	-0.04	9.72	9.72	9.72
P3_offsite2	5y1d	11.93	-0.05	-0.04	9.72	9.72	9.72

Pipe Link: P3_offsite3		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.59 ft	Invert:	-4.57 ft
From Node:	P3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P3_offsite1/2, n = 0.012, size = 18"

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite3	100y3d	18.59	-0.02	-3.02	10.52	20.49	14.28
P3_offsite3	10y1d	18.59	-0.02	-3.02	10.52	20.49	14.28
P3_offsite3	25y3d	18.59	-0.02	-3.02	10.52	20.49	14.28
P3_offsite3	3Yr1D	18.59	-0.02	-3.02	10.52	20.49	14.28
P3_offsite3	5y1d	18.59	-0.02	-3.02	10.52	20.49	14.28

Weir Link: P4_R-W

Scenario:	Pipes	**Bottom Clip**	
From Node:	P4	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.54 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P4_R	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_R-W	100y3d	8.54	-38.01	0.05	-1.92	-1.92	-1.92
P4_R-W	10y1d	0.00	-8.24	-0.01	0.00	0.00	0.00
P4_R-W	25y3d	5.44	-23.38	0.06	-1.85	-1.85	-1.85
P4_R-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P4_R-W	5y1d	0.00	-2.40	0.00	0.00	0.00	0.00

Weir Link: P4_U1-W

Scenario:	Pipes	**Bottom Clip**	
From Node:	P4	Default:	0.00 ft
To Node:	U1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	3.86 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	P4_U1	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_U1-W	100y3d	2.88	-6.61	-0.01	-1.40	-1.40	-1.40
P4_U1-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P4_U1-W	25y3d	0.00	-1.07	0.00	0.00	0.00	0.00
P4_U1-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P4_U1-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P4_offsite

Scenario:	Pipes	Bottom Clip	
From Node:	P4	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P4_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite	100y3d	13.67	0.00	0.02	1.66	1.66	1.66
P4_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite	25y3d	3.41	0.00	0.00	1.44	1.44	1.44
P4_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P4_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P4_offsite1		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.19 ft	Invert:	-3.77 ft
From Node:	P4	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	161.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite1	100y3d	16.42	0.00	-0.29	9.29	9.29	9.29
P4_offsite1	10y1d	14.42	0.00	-0.29	8.16	8.16	8.16
P4_offsite1	25y3d	15.72	0.00	-0.29	8.90	8.90	8.90
P4_offsite1	3Yr1D	12.48	0.00	-0.29	7.06	7.06	7.06
P4_offsite1	5y1d	13.53	0.00	-0.29	7.65	7.65	7.65

Pipe Link: P4_offsite3		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.17 ft	Invert:	-2.77 ft
From Node:	P4	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	142.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: DIP pipe

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite3	100y3d	14.22	0.00	-0.19	8.05	8.05	8.05
P4_offsite3	10y1d	12.50	0.00	-0.19	7.07	7.07	7.07
P4_offsite3	25y3d	13.62	0.00	-0.19	7.71	7.71	7.71
P4_offsite3	3Yr1D	10.82	0.00	-0.19	6.12	6.12	6.12
P4_offsite3	5y1d	11.72	0.00	-0.19	6.63	6.63	6.63

Weir Link: Q_R

Scenario:	Pipes	Bottom Clip	
From Node:	Q	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.10 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	Q_R	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_R	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	25y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_R	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: Q_S

Scenario:	Pipes	Bottom Clip	
From Node:	Q	Default:	0.00 ft
To Node:	S	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.60 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	Q_S	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_S	100y3d	0.00	-53.54	0.07	0.00	0.00	0.00
Q_S	10y1d	0.00	-0.59	0.00	0.00	0.00	0.00
Q_S	25y3d	0.00	-23.37	-0.03	0.00	0.00	0.00
Q_S	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_S	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: Q_W

Scenario:	Pipes	Bottom Clip	
From Node:	Q	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.30 ft	Discharge Coefficients	

Control Elevation:	0.00 ft		
Cross Section:	Q_W	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_W	100y3d	36.64	0.00	-0.06	2.53	2.53	2.53
Q_W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
Q_W	25y3d	12.50	0.00	-0.02	1.96	1.96	1.96
Q_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: R_P3

Scenario:	Pipes	Bottom Clip	
From Node:	R	Default:	0.00 ft
To Node:	P3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	R_P3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_P3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: R_U3			
Scenario:	Pipes	**Bottom Clip**	
From Node:	R	Default:	0.00 ft
To Node:	U3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.24 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	R_U3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_U3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: R_U3-P		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.12 ft	Invert:	-1.12 ft
From Node:	R	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	U3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	284.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_U3-P	100y3d	7.40	-0.96	-0.21	4.19	4.19	4.19
R_U3-P	10y1d	6.66	-0.67	-0.21	3.77	3.77	3.77
R_U3-P	25y3d	6.64	-0.63	-0.21	3.76	3.76	3.76
R_U3-P	3Yr1D	6.07	-0.63	-0.21	3.43	3.43	3.43
R_U3-P	5y1d	6.63	-0.63	-0.21	3.75	3.75	3.75

Weir Link: R_offsite

Scenario:	Pipes
From Node:	R
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.06 ft
Control Elevation:	0.00 ft
Cross Section:	R_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite	100y3d	2.87	0.00	-0.01	0.91	0.91	0.91
R_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_offsite	25y3d	0.11	0.00	0.00	0.00	0.00	0.00
R_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: R_offsite1

Scenario:	Pipes
From Node:	R
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both

Upstream

Invert:	0.00 ft
Manning's N:	0.0120

Geometry: Circular

Max Depth:	1.50 ft

Bottom Clip

Downstream

Invert:	-2.33 ft
Manning's N:	0.0120

Geometry: Circular

Max Depth:	1.50 ft

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	138.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite1	100y3d	14.45	0.00	-0.12	8.18	8.90	8.18
R_offsite1	10y1d	13.68	0.00	-0.12	7.74	8.90	7.74
R_offsite1	25y3d	14.15	0.00	-0.12	8.01	8.90	8.01
R_offsite1	3Yr1D	12.61	0.00	-0.12	7.14	8.90	7.34
R_offsite1	5y1d	13.32	0.00	-0.12	7.54	8.90	7.54

Pipe Link: R_offsite2		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.16 ft	Invert:	-2.96 ft
From Node:	R	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P4_offsite1/2/3, n = 0.012, size = 18"

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite2	100y3d	9.28	-0.01	-1.57	7.56	9.99	8.25
R_offsite2	10y1d	8.89	-0.01	-1.57	7.25	9.99	8.25
R_offsite2	25y3d	9.09	-0.01	-1.57	7.41	9.99	8.25
R_offsite2	3Yr1D	8.89	-0.01	-1.57	7.25	9.99	8.25
R_offsite2	5y1d	8.89	-0.01	-1.57	7.25	9.99	8.25

Weir Link: S_N

Scenario:	Pipes	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_N	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_N	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_N	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: S_R

Scenario:	Pipes	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	7.90 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	S_R	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_R	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_R	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: S_T

Scenario:	Pipes	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	T	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_T	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_T	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: S_T1		Upstream		Downstream	
Scenario:	Pipes	Invert:	-5.80 ft	Invert:	-5.80 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	66.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T1	100y3d	6.90	-1.67	0.67	3.91	3.91	3.91
S_T1	10y1d	5.27	-1.67	0.67	2.98	2.98	2.98
S_T1	25y3d	6.48	-1.67	0.67	3.66	3.66	3.66
S_T1	3Yr1D	4.08	-1.67	0.67	2.31	2.31	2.31
S_T1	5y1d	4.65	-1.67	0.67	2.63	2.63	2.63

Pipe Link: S_T2		Upstream		Downstream	
Scenario:	Pipes	Invert:	-5.80 ft	Invert:	-5.80 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T2	100y3d	6.85	-1.66	0.67	3.88	3.88	3.88
S_T2	10y1d	5.23	-1.66	0.67	2.96	2.96	2.96
S_T2	25y3d	6.42	-1.66	0.67	3.63	3.63	3.63
S_T2	3Yr1D	4.04	-1.66	0.67	2.29	2.29	2.29
S_T2	5y1d	4.61	-1.66	0.67	2.61	2.61	2.61

Pipe Link: S_T3		Upstream		Downstream	
Scenario:	Pipes	Invert:	-5.60 ft	Invert:	-5.60 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T3	100y3d	7.60	-1.84	0.74	4.30	4.30	4.30
S_T3	10y1d	5.80	-1.84	0.74	3.28	3.28	3.28

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T3	25y3d	7.12	-1.84	0.74	4.03	4.03	4.03
S_T3	3Yr1D	4.49	-1.84	0.74	2.54	2.54	2.54
S_T3	5y1d	5.12	-1.84	0.74	2.90	2.90	2.90

Pipe Link: S_T4		Upstream		Downstream	
Scenario:	Pipes	Invert:	-6.25 ft	Invert:	-6.25 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T4	100y3d	7.56	-1.83	0.73	4.28	4.28	4.28
S_T4	10y1d	5.77	-1.83	0.73	3.27	3.27	3.27
S_T4	25y3d	7.09	-1.83	0.73	4.01	4.01	4.01
S_T4	3Yr1D	4.46	-1.83	0.73	2.53	2.53	2.53
S_T4	5y1d	5.09	-1.83	0.73	2.88	2.88	2.88

Pipe Link: S_T5		Upstream		Downstream	
Scenario:	Pipes	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	S	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	66.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, n for concrete

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T5	100y3d	7.20	-1.75	0.70	4.08	4.08	4.08
S_T5	10y1d	5.50	-1.75	0.70	3.11	3.11	3.11
S_T5	25y3d	6.75	-1.75	0.70	3.82	3.82	3.82
S_T5	3Yr1D	4.25	-1.75	0.70	2.41	2.41	2.41
S_T5	5y1d	4.85	-1.75	0.70	2.75	2.75	2.75

Pipe Link: S_V-P		Upstream		Downstream	
Scenario:	Pipes	Invert:	-4.70 ft	Invert:	-4.70 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	V	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	96.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-P	100y3d	30.98	-43.03	-3.04	-6.09	-6.09	-6.09
S_V-P	10y1d	19.78	-43.03	-2.70	-6.09	-6.09	-6.09

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-P	25y3d	28.44	-43.03	-3.05	-6.09	-6.09	-6.09
S_V-P	3Yr1D	5.42	-43.03	2.67	-6.09	-6.09	-6.09
S_V-P	5y1d	12.93	-43.03	-2.92	-6.09	-6.09	-6.09

Weir Link: S_V-W

Scenario:	Pipes	**Bottom Clip**	
From Node:	S	Default:	0.00 ft
To Node:	V	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.10 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_V	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: S_W-P

		Upstream		Downstream	
Scenario:	Pipes	Invert:	-5.05 ft	Invert:	-5.05 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	174.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-P	100y3d	28.77	-2.44	-0.62	9.16	9.16	9.16
S_W-P	10y1d	28.77	-0.22	0.56	9.16	9.16	9.16
S_W-P	25y3d	28.77	-0.23	0.59	9.16	9.16	9.16
S_W-P	3Yr1D	28.77	-0.24	0.64	9.16	9.16	9.16
S_W-P	5y1d	28.77	-0.23	-0.62	9.16	9.16	9.16

Weir Link: S_W-W

Scenario:	Pipes	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: T_O

Scenario:	Pipes
From Node:	T
To Node:	O
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	9.60 ft
Control Elevation:	0.00 ft
Cross Section:	T_O

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
T_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
T_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: T_offsite

Scenario:	Pipes
From Node:	T
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.00 ft
Control Elevation:	0.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800

Cross Section: T_offsite

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
T_offsite	100y3d	111.65	0.00	0.06	3.50	3.50	3.50
T_offsite	10y1d	77.87	0.00	0.06	3.14	3.14	3.14
T_offsite	25y3d	99.68	0.00	0.06	3.38	3.38	3.38
T_offsite	3Yr1D	51.14	0.00	0.05	2.79	2.79	2.79
T_offsite	5y1d	64.91	0.00	0.06	2.98	2.98	2.98

Pipe Link: U1_U3-P		Upstream		Downstream	
Scenario:	Pipes	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	U1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	U3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	560.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_U3-P	100y3d	6.72	-1.49	0.31	3.80	3.80	3.80
U1_U3-P	10y1d	6.57	-0.42	0.31	3.72	3.72	3.72
U1_U3-P	25y3d	6.70	-0.84	0.31	3.79	3.79	3.79
U1_U3-P	3Yr1D	5.73	-0.42	0.31	3.24	3.24	3.24
U1_U3-P	5y1d	6.28	-0.42	0.31	3.55	3.55	3.55

Weir Link: U1_offsite			
Scenario:	Pipes	**Bottom Clip**	
From Node:	U1	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.80 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	U1_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_offsite	100y3d	5.14	0.00	0.01	1.27	1.27	1.27
U1_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
U1_offsite	25y3d	0.96	0.00	0.00	1.14	1.14	1.14
U1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U1_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: U1_offsite1		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.89 ft	Invert:	-1.26 ft
From Node:	U1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	180.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_offsite1	100y3d	4.41	-0.01	-0.01	5.61	5.61	5.61
U1_offsite1	10y1d	4.11	-0.01	-0.01	5.23	5.38	5.23
U1_offsite1	25y3d	4.28	-0.01	-0.01	5.45	5.45	5.45
U1_offsite1	3Yr1D	3.72	-0.01	-0.01	4.74	5.38	5.04
U1_offsite1	5y1d	3.95	-0.01	-0.01	5.03	5.38	5.04

Pipe Link: U2_offsiteP		Upstream		Downstream	
Scenario:	Pipes	Invert:	-1.45 ft	Invert:	-2.44 ft
From Node:	U2	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	152.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U2_offsiteP	100y3d	32.88	-0.01	-1.83	10.46	10.46	10.46
U2_offsiteP	10y1d	29.96	-0.01	-1.83	9.54	9.54	9.54
U2_offsiteP	25y3d	32.15	-0.01	-1.83	10.23	10.23	10.23
U2_offsiteP	3Yr1D	26.13	-0.01	-1.83	8.32	9.37	8.50
U2_offsiteP	5y1d	28.40	-0.01	-1.83	9.04	9.37	9.04

Weir Link: U2_offsiteW			
Scenario:	Pipes	Bottom Clip	
From Node:	U2	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.80 ft
Control Elevation:	0.00 ft
Cross Section:	U2_offsite

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U2_offsiteW	100y3d	20.70	0.00	0.05	1.33	1.33	1.33
U2_offsiteW	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
U2_offsiteW	25y3d	4.70	0.00	0.01	1.03	1.03	1.03
U2_offsiteW	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U2_offsiteW	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: U3_U1

Scenario:	Pipes
From Node:	U3
To Node:	U1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.52 ft
Control Elevation:	0.00 ft
Cross Section:	U3_U1

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_U1	100y3d	6.74	-14.23	-0.02	-1.41	-1.41	-1.41
U3_U1	10y1d	0.00	-1.43	0.00	0.00	0.00	0.00
U3_U1	25y3d	1.31	-9.88	-0.01	-1.39	-1.39	-1.39
U3_U1	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U3_U1	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: U3_U2

Scenario:	Pipes	**Bottom Clip**	
From Node:	U3	Default:	0.00 ft
To Node:	U2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	U3_U2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_U2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: U3_offsite

		Upstream		Downstream	
Scenario:	Pipes	Invert:	-0.89 ft	Invert:	-1.26 ft
From Node:	U3	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	148.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_offsite	100y3d	33.03	-0.03	1.42	10.51	10.51	10.51
U3_offsite	10y1d	28.64	-0.03	1.42	9.11	9.11	9.11
U3_offsite	25y3d	31.87	-0.03	1.42	10.15	10.15	10.15
U3_offsite	3Yr1D	24.06	-0.03	1.42	7.66	7.66	7.66
U3_offsite	5y1d	26.83	-0.03	1.42	8.54	8.54	8.54

Weir Link: V_S

Scenario:	Pipes	Bottom Clip	
From Node:	V	Default:	0.00 ft
To Node:	S	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	V_S	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
V_S	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: V_S1		Upstream		Downstream	
Scenario:	Pipes	Invert:	1.00 ft	Invert:	1.00 ft
From Node:	V	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	S	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	67.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S1	100y3d	9.40	-6.76	0.66	5.32	5.32	5.32
V_S1	10y1d	9.40	-4.32	0.59	5.32	5.32	5.32
V_S1	25y3d	9.40	-6.21	0.67	5.32	5.32	5.32
V_S1	3Yr1D	9.40	-1.18	0.56	5.32	5.32	5.32
V_S1	5y1d	9.40	-2.82	0.64	5.32	5.32	5.32

Pipe Link: V_S2		Upstream		Downstream	
Scenario:	Pipes	Invert:	2.00 ft	Invert:	2.00 ft
From Node:	V	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	S	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S2	100y3d	9.36	-6.74	0.67	5.30	5.30	5.30
V_S2	10y1d	9.36	-4.30	-0.54	5.30	5.30	5.30
V_S2	25y3d	9.36	-6.19	0.66	5.30	5.30	5.30
V_S2	3Yr1D	9.36	-1.18	-0.54	5.30	5.30	5.30
V_S2	5y1d	9.36	-2.81	0.51	5.30	5.30	5.30

Pipe Link: V_T-P		Upstream		Downstream	
Scenario:	Pipes	Invert:	-4.35 ft	Invert:	-4.35 ft
From Node:	V	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_T-P	100y3d	11.42	-1.11	-0.63	6.46	6.46	6.46
V_T-P	10y1d	11.42	-1.05	-0.63	6.46	6.46	6.46

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_T-P	25y3d	11.42	-0.93	-0.63	6.46	6.46	6.46
V_T-P	3Yr1D	11.42	-1.18	-0.63	6.46	6.46	6.46
V_T-P	5y1d	11.42	-1.08	-0.63	6.46	6.46	6.46

Weir Link: V_T-W

Scenario:	Pipes	**Bottom Clip**	
From Node:	V	Default:	0.00 ft
To Node:	T	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	V_T	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_T-W	100y3d	20.37	0.00	0.02	1.84	1.84	1.84
V_T-W	10y1d	12.31	0.00	0.02	1.69	1.69	1.69
V_T-W	25y3d	18.15	0.00	0.02	1.79	1.79	1.79
V_T-W	3Yr1D	3.84	0.00	0.01	1.51	1.51	1.51
V_T-W	5y1d	8.40	0.00	0.02	1.62	1.62	1.62

Weir Link: V_U2

Scenario:	Pipes	**Bottom Clip**	
From Node:	V	Default:	0.00 ft
To Node:	U2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	9.40 ft
Control Elevation:	0.00 ft
Cross Section:	V_U2

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_U2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: V_offsite

Scenario:	Pipes
From Node:	V
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.80 ft
Control Elevation:	0.00 ft
Cross Section:	V_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_offsite	100y3d	77.63	0.00	-0.06	2.19	2.19	2.19
V_offsite	10y1d	34.71	0.00	0.06	1.83	1.83	1.83
V_offsite	25y3d	59.76	0.00	0.06	2.04	2.04	2.04
V_offsite	3Yr1D	12.12	0.00	0.02	1.62	1.62	1.62

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_offsite	5y1d	23.48	0.00	0.04	1.75	1.75	1.75

Pipe Link: W1_W-P		Upstream		Downstream	
Scenario:	Pipes	Invert:	-5.60 ft	Invert:	-6.00 ft
From Node:	W1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	960.62 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W1_W-P	100y3d	33.55	-31.70	3.15	4.75	4.75	4.75
W1_W-P	10y1d	32.32	-31.70	3.15	4.57	4.57	4.57
W1_W-P	25y3d	32.40	-31.70	3.15	4.58	4.58	4.58
W1_W-P	3Yr1D	31.50	-31.70	3.15	-4.48	-4.48	-4.48
W1_W-P	5y1d	32.02	-31.70	3.15	4.53	4.53	4.53

Pipe Link: W_offsite-P		Upstream		Downstream	
Scenario:	Pipes	Invert:	-6.00 ft	Invert:	-6.00 ft
From Node:	W	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	425.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-P	100y3d	48.41	-0.25	-0.65	5.03	5.03	5.03
W_offsite-P	10y1d	46.67	-0.27	-0.73	4.85	4.85	4.85
W_offsite-P	25y3d	46.67	-0.28	-0.65	4.85	4.85	4.85
W_offsite-P	3Yr1D	46.67	-0.27	-1.08	4.85	4.85	4.85
W_offsite-P	5y1d	46.67	-0.27	-1.10	4.85	4.85	4.85

Weir Link: W_offsite-W

Scenario:	Pipes	Bottom Clip	
From Node:	W	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	W_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pipes]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: A_offsite

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	A	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	A_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment: Invert changed from 2.4 to 3

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A_offsite	100y3d	114.73	0.00	0.15	1.98	1.98	1.98
A_offsite	10y1d	45.56	0.00	0.03	1.73	1.73	1.73
A_offsite	25y3d	78.69	0.00	0.05	1.87	1.87	1.87
A_offsite	3Yr1D	18.88	0.00	-0.01	1.60	1.60	1.60
A_offsite	5y1d	31.09	0.00	0.02	1.67	1.67	1.67

Weir Link: B_C

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	B	Default:	0.00 ft
To Node:	C	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	B_C	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_C	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
B_C	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: B_offsite-P		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.97 ft	Invert:	-2.81 ft
From Node:	B	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	131.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_offsite-P	100y3d	2.74	0.00	0.01	3.49	3.49	3.49
B_offsite-P	10y1d	2.53	0.00	0.00	3.22	3.22	3.22
B_offsite-P	25y3d	2.63	0.00	0.01	3.35	3.35	3.35
B_offsite-P	3Yr1D	2.35	0.00	0.00	3.00	3.00	3.00
B_offsite-P	5y1d	2.45	0.00	0.00	3.12	3.12	3.12

Weir Link: B_offsite-W			
Scenario:	PipesSLR	Bottom Clip	
From Node:	B	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.00 ft
Control Elevation:	0.00 ft
Cross Section:	B_offsite

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Invert changed from 2.8 to 3

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_offsite-W	100y3d	13.20	0.00	0.01	1.74	1.74	1.74
B_offsite-W	10y1d	5.06	0.00	0.00	1.74	1.74	1.74
B_offsite-W	25y3d	8.01	0.00	0.00	1.74	1.74	1.74
B_offsite-W	3Yr1D	2.50	0.00	0.00	1.54	1.54	1.54
B_offsite-W	5y1d	3.67	0.00	0.00	1.73	1.73	1.73

Weir Link: C_D

Scenario:	PipesSLR
From Node:	C
To Node:	D
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.30 ft
Control Elevation:	0.00 ft
Cross Section:	C_D

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_D	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
C_D	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: C_J1

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	C	Default:	0.00 ft
To Node:	J1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.40 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	C_J1	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_J1	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: C_offsite

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	C	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	3.00 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	C_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment: Invert changed from 1.4 to 3

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite	100y3d	105.15	0.00	0.09	1.64	1.64	1.64
C_offsite	10y1d	44.64	0.00	-0.04	1.41	1.41	1.41
C_offsite	25y3d	71.77	0.00	0.05	1.54	1.54	1.54
C_offsite	3Yr1D	15.36	0.00	0.01	1.18	1.18	1.18
C_offsite	5y1d	30.40	0.00	0.02	1.33	1.33	1.33

Pipe Link: C_offsite1		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-1.31 ft	Invert:	-3.28 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite1	100y3d	0.99	0.00	0.00	1.83	1.83	1.83

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite1	10y1d	0.92	0.00	0.00	1.70	1.70	1.70
C_offsite1	25y3d	0.95	0.00	0.00	1.76	1.76	1.76
C_offsite1	3Yr1D	0.87	0.00	0.00	1.61	1.61	1.61
C_offsite1	5y1d	0.90	0.00	0.00	1.66	1.66	1.66

Pipe Link: C_offsite2		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.81 ft	Invert:	-1.82 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	92.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite2	100y3d	1.85	0.00	0.01	2.35	2.35	2.35
C_offsite2	10y1d	1.72	0.00	-0.01	2.19	2.19	2.19
C_offsite2	25y3d	1.78	0.00	-0.01	2.26	2.26	2.26
C_offsite2	3Yr1D	1.62	0.00	-0.01	2.07	2.07	2.07
C_offsite2	5y1d	1.67	0.00	-0.01	2.13	2.13	2.13

Pipe Link: C_offsite3		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	91.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite3	100y3d	1.86	0.00	0.01	2.37	2.37	2.37
C_offsite3	10y1d	1.73	0.00	-0.01	2.20	2.20	2.20
C_offsite3	25y3d	1.79	0.00	-0.01	2.28	2.28	2.28
C_offsite3	3Yr1D	1.63	0.00	-0.01	2.08	2.08	2.08
C_offsite3	5y1d	1.68	0.00	-0.01	2.14	2.14	2.14

Pipe Link: C_offsite4		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite4	100y3d	4.26	0.00	0.02	5.43	5.43	5.43

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite4	10y1d	3.96	0.00	-0.02	5.04	5.04	5.04
C_offsite4	25y3d	4.10	0.00	-0.02	5.22	5.22	5.22
C_offsite4	3Yr1D	3.75	0.00	-0.02	4.77	4.77	4.77
C_offsite4	5y1d	3.86	0.00	-0.02	4.92	4.92	4.92

Pipe Link: C_offsite5		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite5	100y3d	4.20	0.00	0.02	5.35	5.35	5.35
C_offsite5	10y1d	3.90	0.00	-0.02	4.97	4.97	4.97
C_offsite5	25y3d	4.04	0.00	-0.02	5.14	5.14	5.14
C_offsite5	3Yr1D	3.69	0.00	-0.02	4.70	4.70	4.70
C_offsite5	5y1d	3.80	0.00	-0.02	4.84	4.84	4.84

Pipe Link: C_offsite6		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2
n for iron pipe

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite6	100y3d	2.63	0.00	0.01	4.86	4.86	4.86
C_offsite6	10y1d	2.44	0.00	-0.01	4.51	4.51	4.51
C_offsite6	25y3d	2.53	0.00	-0.01	4.67	4.67	4.67
C_offsite6	3Yr1D	2.31	0.00	-0.01	4.27	4.27	4.27
C_offsite6	5y1d	2.38	0.00	-0.01	4.40	4.40	4.40

Drop Structure Link: CyprCkE		Upstream Pipe		Downstream Pipe	
Scenario:	PipesSLR	Invert:	-0.60 ft	Invert:	-0.60 ft
From Node:	A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	104.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft		

Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	1.00 ft
Control Elevation:	1.00 ft
Max Depth:	3.00 ft
Max Width:	6.00 ft
Fillet:	0.00 ft

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CyprCkE - Pipe	100y3d	4.20	-1.46	0.05	0.00	0.00	0.00
CyprCkE - Weir: 1	100y3d	4.20	-1.46	0.06	1.36	1.36	1.36
CyprCkE - Pipe	10y1d	3.81	-0.16	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	10y1d	3.81	-0.16	0.00	1.34	1.34	1.34
CyprCkE - Pipe	25y3d	4.01	-1.63	0.07	0.00	0.00	0.00
CyprCkE - Weir: 1	25y3d	4.01	-1.63	0.10	1.32	1.32	1.32
CyprCkE - Pipe	3Yr1D	3.47	-0.16	-0.01	0.00	0.00	0.00
CyprCkE - Weir: 1	3Yr1D	3.47	-0.16	0.01	1.22	1.22	1.22
CyprCkE - Pipe	5y1d	3.66	-0.16	-0.01	0.00	0.00	0.00
CyprCkE - Weir: 1	5y1d	3.66	-0.16	-0.02	1.29	1.29	1.29

Weir Link: D_F

Scenario:	PipesSLR
From Node:	D
To Node:	F
Link Count:	1
Flow Direction:	Both

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	7.00 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	D_F	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_F	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
D_F	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: D_J2

Scenario:	PipesSLR	Bottom Clip	
From Node:	D	Default:	0.00 ft
To Node:	J2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.60 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	D_J2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_J2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_J2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: D_offsite

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	D	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	D_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment: Invert changed from 1.9 to 3

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite	100y3d	73.82	0.00	-0.12	2.27	2.27	2.27
D_offsite	10y1d	42.73	0.00	-0.03	1.98	1.98	1.98
D_offsite	25y3d	58.20	0.00	-0.04	2.13	2.13	2.13
D_offsite	3Yr1D	28.03	0.00	-0.02	1.80	1.80	1.80
D_offsite	5y1d	35.33	0.00	-0.03	1.90	1.90	1.90

Pipe Link: D_offsite1

		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.39 ft	Invert:	-0.39 ft
From Node:	D	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	163.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite1	100y3d	2.84	0.00	0.00	2.31	2.31	2.31
D_offsite1	10y1d	2.59	0.00	0.00	2.11	2.11	2.11
D_offsite1	25y3d	2.72	0.00	0.01	2.22	2.22	2.22
D_offsite1	3Yr1D	2.42	0.00	0.00	1.97	1.97	1.97
D_offsite1	5y1d	2.51	0.00	0.00	2.05	2.05	2.05

Pipe Link: D_offsite2		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.83 ft	Invert:	-0.83 ft
From Node:	D	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.67 ft	Max Depth:	0.67 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite2	100y3d	1.50	0.00	0.00	4.25	4.25	4.25
D_offsite2	10y1d	1.37	0.00	0.00	3.87	3.87	3.87

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite2	25y3d	1.43	0.00	0.01	4.07	4.07	4.07
D_offsite2	3Yr1D	1.28	0.00	0.00	3.62	3.62	3.62
D_offsite2	5y1d	1.32	0.00	0.00	3.76	3.76	3.76

Weir Link: E1_E2

Scenario:	PipesSLR	Bottom Clip	
From Node:	E1	Default:	0.00 ft
To Node:	E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E1_E2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E2	100y3d	0.00	-20.60	0.03	-1.45	-1.45	-1.45
E1_E2	10y1d	0.00	-6.20	0.01	0.00	0.00	0.00
E1_E2	25y3d	0.00	-13.88	-0.02	-1.36	-1.36	-1.36
E1_E2	3Yr1D	0.00	-0.66	0.00	0.00	0.00	0.00
E1_E2	5y1d	0.00	-3.06	0.00	0.00	0.00	0.00

Weir Link: E1_E3

Scenario:	PipesSLR	Bottom Clip	
From Node:	E1	Default:	0.00 ft
To Node:	E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	7.20 ft
Control Elevation:	0.00 ft
Cross Section:	E1_E3

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E1_F-P		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	0.73 ft	Invert:	0.73 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	F	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	61.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-P	100y3d	21.43	-18.52	-0.36	3.03	-3.16	-3.03
E1_F-P	10y1d	14.97	-18.56	-0.19	-2.95	-3.25	-3.10
E1_F-P	25y3d	19.80	-18.70	-0.28	-2.94	-3.21	-3.07

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-P	3Yr1D	7.63	-16.65	-0.24	-2.70	-2.92	-2.81
E1_F-P	5y1d	12.06	-17.74	-0.17	-2.85	-3.12	-2.99

Weir Link: E1_F-W

Scenario:	PipesSLR	Bottom Clip	
From Node:	E1	Default:	0.00 ft
To Node:	F	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E1_F	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-W	100y3d	49.17	-1.01	-0.06	2.35	2.35	2.35
E1_F-W	10y1d	14.51	-0.29	-0.03	1.67	1.67	1.67
E1_F-W	25y3d	33.60	-0.60	-0.03	2.16	2.16	2.16
E1_F-W	3Yr1D	2.15	-0.14	0.00	0.92	0.92	0.92
E1_F-W	5y1d	7.65	-0.19	-0.02	1.38	1.38	1.38

Weir Link: E1_offsite

Scenario:	PipesSLR	Bottom Clip	
From Node:	E1	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.20 ft	Discharge Coefficients	

Control Elevation:	0.00 ft		
Cross Section:	E1_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite	100y3d	97.77	0.00	-0.13	2.19	2.19	2.19
E1_offsite	10y1d	22.04	0.00	-0.02	1.74	1.74	1.74
E1_offsite	25y3d	60.49	0.00	-0.04	1.99	1.99	1.99
E1_offsite	3Yr1D	6.18	0.00	-0.01	1.60	1.60	1.60
E1_offsite	5y1d	12.38	0.00	-0.02	1.69	1.69	1.69

Pipe Link: E1_offsite1		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	0.04 ft	Invert:	-1.65 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite1	100y3d	20.27	0.00	-0.98	6.45	6.45	6.45
E1_offsite1	10y1d	17.53	0.00	0.76	5.58	5.58	5.58
E1_offsite1	25y3d	19.20	0.00	-0.84	6.11	6.11	6.11
E1_offsite1	3Yr1D	15.39	0.00	-0.64	4.90	4.90	4.90

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite1	5y1d	16.57	0.00	-0.63	5.27	5.27	5.27

Pipe Link: E1_offsite2		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.19 ft	Invert:	-2.62 ft
From Node:	E1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite2	100y3d	10.58	0.00	-0.54	5.98	5.98	5.98
E1_offsite2	10y1d	9.15	0.00	0.42	5.18	5.18	5.18
E1_offsite2	25y3d	10.02	0.00	-0.46	5.67	5.67	5.67
E1_offsite2	3Yr1D	8.03	0.00	-0.33	4.54	4.54	4.54
E1_offsite2	5y1d	8.64	0.00	-0.34	4.89	4.89	4.89

Pipe Link: E1_offsite3		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	0.73 ft	Invert:	-4.02 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite3	100y3d	4.74	0.00	-0.20	6.04	6.04	6.04
E1_offsite3	10y1d	4.10	0.00	-0.17	5.22	5.22	5.22
E1_offsite3	25y3d	4.49	0.00	-0.17	5.72	5.72	5.72
E1_offsite3	3Yr1D	3.60	0.00	-0.15	4.58	4.58	4.58
E1_offsite3	5y1d	3.88	0.00	-0.15	4.93	4.93	4.93

Pipe Link: E1_offsite4		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	0.20 ft	Invert:	-2.91 ft
From Node:	E1	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite4	100y3d	2.24	0.00	-0.11	2.85	2.85	2.85
E1_offsite4	10y1d	1.94	0.00	0.09	2.47	2.47	2.47
E1_offsite4	25y3d	2.12	0.00	-0.10	2.70	2.70	2.70
E1_offsite4	3Yr1D	1.70	0.00	-0.07	2.17	2.17	2.17

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite4	5y1d	1.83	0.00	-0.07	2.33	2.33	2.33

Pipe Link: E1_offsite5		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite5	100y3d	3.00	0.00	-0.15	5.55	5.55	5.55
E1_offsite5	10y1d	2.60	0.00	0.12	4.80	4.80	4.80
E1_offsite5	25y3d	2.84	0.00	-0.13	5.26	5.26	5.26
E1_offsite5	3Yr1D	2.28	0.00	-0.09	4.21	4.21	4.21
E1_offsite5	5y1d	2.45	0.00	-0.09	4.54	4.54	4.54

Pipe Link: E1_offsite6		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite6	100y3d	0.84	0.00	-0.04	4.26	4.26	4.26
E1_offsite6	10y1d	0.72	0.00	0.03	3.68	3.68	3.68
E1_offsite6	25y3d	0.79	0.00	-0.04	4.03	4.03	4.03
E1_offsite6	3Yr1D	0.63	0.00	-0.03	3.23	3.23	3.23
E1_offsite6	5y1d	0.68	0.00	-0.03	3.48	3.48	3.48

Pipe Link: E1_offsite7		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	44.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite7	100y3d	42.14	0.00	-8.49	8.59	8.59	8.59
E1_offsite7	10y1d	36.45	0.00	6.81	7.43	7.43	7.43
E1_offsite7	25y3d	39.92	0.00	-7.43	8.13	8.13	8.13
E1_offsite7	3Yr1D	31.99	0.00	-5.46	6.52	6.52	6.52

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite7	5y1d	34.45	0.00	-6.59	7.02	7.02	7.02

Weir Link: E2_offsite

Scenario:	PipesSLR
From Node:	E2
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.00 ft
Control Elevation:	0.00 ft
Cross Section:	E2_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite	100y3d	20.79	0.00	-0.03	1.47	1.47	1.47
E2_offsite	10y1d	6.20	0.00	-0.01	1.18	1.18	1.18
E2_offsite	25y3d	13.88	0.00	0.02	1.36	1.36	1.36
E2_offsite	3Yr1D	0.66	0.00	0.00	0.85	0.85	0.85
E2_offsite	5y1d	3.06	0.00	0.00	1.06	1.06	1.06

Pipe Link: E2_offsite1

Scenario:	PipesSLR
From Node:	E2
To Node:	Outfall North
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Length:	136.00 ft
FHWA Code:	0
Entr Loss Coef:	0.50
Exit Loss Coef:	0.50

Upstream

Invert:	-0.20 ft
Manning's N:	0.0090

Geometry: Circular

Max Depth:	1.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Downstream

Invert:	-4.24 ft
Manning's N:	0.0090

Geometry: Circular

Max Depth:	1.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite1	100y3d	4.73	0.00	0.02	6.02	6.02	6.02
E2_offsite1	10y1d	4.58	0.00	0.00	5.83	5.83	5.83
E2_offsite1	25y3d	4.65	0.00	0.02	5.92	5.92	5.92
E2_offsite1	3Yr1D	4.38	0.00	0.00	5.58	5.58	5.58
E2_offsite1	5y1d	4.51	0.00	0.00	5.75	5.75	5.75

Pipe Link: E2_offsite2		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.20 ft	Invert:	-4.24 ft
From Node:	E2	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.66 ft	Max Depth:	0.66 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	116.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite2	100y3d	1.79	0.00	0.01	5.23	5.23	5.23
E2_offsite2	10y1d	1.73	0.00	0.00	5.06	5.06	5.06
E2_offsite2	25y3d	1.76	0.00	0.01	5.15	5.15	5.15
E2_offsite2	3Yr1D	1.66	0.00	0.00	4.85	4.85	4.85
E2_offsite2	5y1d	1.71	0.00	0.00	4.99	4.99	4.99

Weir Link: E3_E2

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	E3	Default:	0.00 ft
To Node:	E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.20 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_E2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_E2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E3_F

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	E3	Default:	0.00 ft
To Node:	F	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_F	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_F	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E3_G-P		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.72 ft	Invert:	-0.72 ft
From Node:	E3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	G	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_G-P	100y3d	0.07	-4.93	0.08	-4.02	-4.02	-4.02
E3_G-P	10y1d	0.05	-4.62	0.06	-3.76	-3.76	-3.76
E3_G-P	25y3d	0.05	-4.73	-0.05	-3.85	-3.85	-3.85
E3_G-P	3Yr1D	0.06	-4.40	0.05	-3.58	-3.58	-3.58
E3_G-P	5y1d	0.06	-4.51	-0.05	-3.67	-3.67	-3.67

Weir Link: E3_G-W		Bottom Clip	
Scenario:	PipesSLR	Default:	0.00 ft
From Node:	E3	Op Table:	
To Node:	G	Ref Node:	
Link Count:	1		

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.90 ft
Control Elevation:	0.00 ft
Cross Section:	E3_G

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_G-W	100y3d	0.00	-95.41	-0.05	-1.59	-1.59	-1.59
E3_G-W	10y1d	0.00	-52.44	0.04	-1.58	-1.58	-1.58
E3_G-W	25y3d	0.00	-75.21	-0.05	-1.61	-1.61	-1.61
E3_G-W	3Yr1D	0.00	-37.69	-0.03	-1.46	-1.46	-1.46
E3_G-W	5y1d	0.00	-47.03	0.03	-1.55	-1.55	-1.55

Weir Link: E3_H

Scenario:	PipesSLR
From Node:	E3
To Node:	H
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.40 ft
Control Elevation:	0.00 ft
Cross Section:	E3_H

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_H	100y3d	0.00	-74.63	0.05	-2.56	-2.56	-2.56
E3_H	10y1d	0.00	-59.92	0.02	-2.54	-2.54	-2.54
E3_H	25y3d	0.00	-67.67	-0.03	-2.55	-2.55	-2.55
E3_H	3Yr1D	0.00	-47.86	0.03	-2.47	-2.47	-2.47
E3_H	5y1d	0.00	-54.47	0.03	-2.51	-2.51	-2.51

Weir Link: E3_J3

Scenario:	PipesSLR	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.40 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E3_offsite

Scenario:	PipesSLR	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	3.90 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	E3_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite	100y3d	67.77	0.00	0.04	1.84	1.84	1.84
E3_offsite	10y1d	13.73	0.00	-0.02	1.53	1.53	1.53
E3_offsite	25y3d	37.74	0.00	-0.03	1.71	1.71	1.71
E3_offsite	3Yr1D	2.50	0.00	0.00	1.24	1.24	1.24
E3_offsite	5y1d	6.74	0.00	-0.01	1.42	1.42	1.42

Pipe Link: E3_offsite1		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	0.49 ft	Invert:	-1.77 ft
From Node:	E3	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	143.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite1	100y3d	26.27	0.00	-0.23	8.36	8.36	8.36

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite1	10y1d	24.18	0.00	-0.20	7.70	7.70	7.70
E3_offsite1	25y3d	25.38	0.00	-0.21	8.08	8.08	8.08
E3_offsite1	3Yr1D	22.33	0.00	-0.14	7.11	7.11	7.11
E3_offsite1	5y1d	23.37	0.00	-0.21	7.44	7.44	7.44

Pipe Link: E3_offsite2		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.83 ft	Invert:	-2.48 ft
From Node:	E3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	114.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite2	100y3d	11.46	0.00	-0.14	6.49	6.49	6.49
E3_offsite2	10y1d	10.55	0.00	0.13	5.97	5.97	5.97
E3_offsite2	25y3d	11.07	0.00	0.12	6.27	6.27	6.27
E3_offsite2	3Yr1D	9.74	0.00	-0.10	5.51	5.51	5.51
E3_offsite2	5y1d	10.19	0.00	-0.13	5.77	5.77	5.77

Weir Link: F_J2			
Scenario:	PipesSLR	Bottom Clip	
From Node:	F	Default:	0.00 ft
To Node:	J2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.70 ft
Control Elevation:	0.00 ft
Cross Section:	F_J2

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J2	100y3d	0.00	-73.37	0.04	0.00	0.00	0.00
F_J2	10y1d	0.00	-36.71	0.03	0.00	0.00	0.00
F_J2	25y3d	0.00	-54.37	-0.03	0.00	0.00	0.00
F_J2	3Yr1D	0.00	-23.23	0.02	0.00	0.00	0.00
F_J2	5y1d	0.00	-29.70	0.02	0.00	0.00	0.00

Weir Link: F_J3

Scenario:	PipesSLR
From Node:	F
To Node:	J3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	6.70 ft
Control Elevation:	0.00 ft
Cross Section:	F_J3

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: F_offsite-P		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	0.13 ft	Invert:	0.13 ft
From Node:	F	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_offsite-P	100y3d	14.39	0.00	-0.04	8.14	8.14	8.14
F_offsite-P	10y1d	12.72	0.00	-0.01	7.20	7.20	7.20
F_offsite-P	25y3d	13.65	0.00	-0.09	7.73	7.73	7.73
F_offsite-P	3Yr1D	11.50	0.00	0.02	6.51	6.51	6.51
F_offsite-P	5y1d	12.17	0.00	0.01	6.89	6.89	6.89

Weir Link: F_offsite-W			
Scenario:	PipesSLR	Bottom Clip	
From Node:	F	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	3.10 ft
Control Elevation:	0.00 ft
Cross Section:	F_offsite

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_offsite-W	100y3d	207.66	0.00	-0.14	2.56	2.56	2.56
F_offsite-W	10y1d	98.02	0.00	-0.16	2.09	2.09	2.09
F_offsite-W	25y3d	156.12	0.00	-0.12	2.35	2.35	2.35
F_offsite-W	3Yr1D	51.04	0.00	-0.06	1.77	1.77	1.77
F_offsite-W	5y1d	74.30	0.00	-0.12	1.95	1.95	1.95

Weir Link: G_J3

Scenario:	PipesSLR
From Node:	G
To Node:	J3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	6.50 ft
Control Elevation:	0.00 ft
Cross Section:	G_J3

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
G_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
G_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: H_G

Scenario:	PipesSLR	Bottom Clip	
From Node:	H	Default:	0.00 ft
To Node:	G	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.80 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	H_G	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_G	100y3d	58.46	0.00	-0.05	2.10	2.10	2.10
H_G	10y1d	35.38	0.00	-0.02	2.03	2.03	2.03
H_G	25y3d	48.65	0.00	0.03	2.09	2.09	2.09
H_G	3Yr1D	23.55	0.00	-0.01	1.86	1.86	1.86
H_G	5y1d	29.33	0.00	-0.02	1.96	1.96	1.96

Weir Link: H_I

Scenario:	PipesSLR	Bottom Clip	
From Node:	H	Default:	0.00 ft
To Node:	I	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.80 ft	Discharge Coefficients	

Control Elevation:	0.00 ft		
Cross Section:	H_I	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_I	100y3d	76.89	0.00	-0.03	2.35	2.35	2.35
H_I	10y1d	35.67	0.00	-0.03	2.19	2.19	2.19
H_I	25y3d	55.54	0.00	-0.03	2.31	2.31	2.31
H_I	3Yr1D	24.20	0.00	-0.02	2.01	2.01	2.01
H_I	5y1d	29.29	0.00	-0.02	2.10	2.10	2.10

Weir Link: H_J3

Scenario:	PipesSLR	Bottom Clip	
From Node:	H	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	H_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_J3	100y3d	0.00	-163.74	0.09	-3.11	-3.11	-3.11
H_J3	10y1d	0.00	-103.51	0.05	-2.74	-2.74	-2.74
H_J3	25y3d	0.00	-135.17	-0.05	-2.95	-2.95	-2.95
H_J3	3Yr1D	0.00	-77.86	0.03	-2.56	-2.56	-2.56
H_J3	5y1d	0.00	-90.75	0.05	-2.65	-2.65	-2.65

Weir Link: I_E3			
Scenario:	PipesSLR	Bottom Clip	
From Node:	I	Default:	0.00 ft
To Node:	E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	I_E3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_E3	100y3d	1.23	-116.70	-0.05	-3.58	-3.58	-3.58
I_E3	10y1d	0.95	-81.68	0.05	-3.18	-3.18	-3.18
I_E3	25y3d	1.10	-101.87	-0.05	-3.42	-3.42	-3.42
I_E3	3Yr1D	0.86	-58.21	0.04	-2.84	-2.84	-2.84
I_E3	5y1d	0.83	-70.75	0.05	-3.03	-3.03	-3.03

Weir Link: I_J3			
Scenario:	PipesSLR	Bottom Clip	
From Node:	I	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.70 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	I_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: I_offsite

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	I	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	I_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_offsite	100y3d	227.89	0.00	0.10	2.27	2.27	2.27
I_offsite	10y1d	134.45	0.00	-0.08	1.99	1.99	1.99
I_offsite	25y3d	183.28	0.00	0.08	2.15	2.15	2.15
I_offsite	3Yr1D	91.62	0.00	-0.06	1.84	1.84	1.84
I_offsite	5y1d	112.93	0.00	-0.07	1.92	1.92	1.92

Weir Link: J1_J2

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	J1	Default:	0.00 ft
To Node:	J2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	7.20 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	J1_J2	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_J2	100y3d	1.92	0.00	-0.01	0.78	0.78	0.78
J1_J2	10y1d	0.01	0.00	0.00	0.00	0.00	0.00
J1_J2	25y3d	0.60	0.00	0.00	0.57	0.57	0.57
J1_J2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J1_J2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: J1_offsite

Scenario:	PipesSLR	Bottom Clip	
From Node:	J1	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.70 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J1_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_offsite	100y3d	62.49	0.00	-0.10	1.68	1.68	1.68

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_offsite	10y1d	34.57	0.00	-0.02	1.53	1.53	1.53
J1_offsite	25y3d	49.82	0.00	-0.03	1.61	1.61	1.61
J1_offsite	3Yr1D	22.09	0.00	-0.01	1.44	1.44	1.44
J1_offsite	5y1d	28.23	0.00	-0.02	1.49	1.49	1.49

Weir Link: J2_J3

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	J2	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J2_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J2_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: J2_offsite

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	J2	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular		
Invert:	4.60 ft	Ref Node:	
Control Elevation:	0.00 ft	**Discharge Coefficients**	
Cross Section:	J2_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J2_offsite	100y3d	65.63	0.00	0.03	2.75	2.75	2.75
J2_offsite	10y1d	42.42	0.00	-0.03	2.44	2.44	2.44
J2_offsite	25y3d	55.06	0.00	0.02	2.62	2.62	2.62
J2_offsite	3Yr1D	29.98	0.00	-0.02	2.23	2.23	2.23
J2_offsite	5y1d	36.34	0.00	-0.02	2.34	2.34	2.34

Pipe Link: J3_K		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	J3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	K	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	517.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_K	100y3d	0.00	-28.99	-0.03	-5.91	-5.91	-5.91
J3_K	10y1d	0.00	-29.21	-0.05	-5.95	-5.95	-5.95

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_K	25y3d	0.00	-29.05	0.05	-5.92	-5.92	-5.92
J3_K	3Yr1D	0.00	-29.24	-0.05	-5.96	-5.96	-5.96
J3_K	5y1d	0.00	-29.30	-0.04	-5.97	-5.97	-5.97

Weir Link: J3_offsite

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	J3	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.50 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J3_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_offsite	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: K_M

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	K	Default:	0.00 ft
To Node:	M	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	8.20 ft
Control Elevation:	0.00 ft
Cross Section:	K_M

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_M	100y3d	13.15	0.00	0.02	1.42	1.42	1.42
K_M	10y1d	4.37	0.00	0.01	1.06	1.06	1.06
K_M	25y3d	9.44	0.00	0.02	1.29	1.29	1.29
K_M	3Yr1D	0.01	0.00	0.00	0.00	0.00	0.00
K_M	5y1d	1.98	0.00	0.01	0.87	0.87	0.87

Weir Link: K_N

Scenario:	PipesSLR
From Node:	K
To Node:	N
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	8.30 ft
Control Elevation:	0.00 ft
Cross Section:	K_N

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_N	100y3d	5.96	0.00	-0.02	1.06	1.06	1.06
K_N	10y1d	0.61	0.00	0.00	0.63	0.63	0.63
K_N	25y3d	3.14	0.00	0.01	0.91	0.91	0.91
K_N	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_N	5y1d	0.04	0.00	0.00	0.00	0.00	0.00

Weir Link: K_O

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	K	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	10.20 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	K_O	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
K_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: K_offsite

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	K	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.80 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800

Cross Section: K_offsite

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_offsite	100y3d	91.84	0.00	-0.15	1.50	1.50	1.50
K_offsite	10y1d	37.73	0.00	0.07	1.35	1.35	1.35
K_offsite	25y3d	67.78	0.00	0.09	1.43	1.43	1.43
K_offsite	3Yr1D	9.52	0.00	-0.02	1.28	1.28	1.28
K_offsite	5y1d	23.95	0.00	0.04	1.31	1.31	1.31

Weir Link: L_M-W

Scenario: PipesSLR
From Node: L
To Node: M
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 5.40 ft
Control Elevation: 0.00 ft
Cross Section: L_M

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_M-W	100y3d	0.00	-184.21	-0.19	0.00	0.00	0.00
L_M-W	10y1d	0.00	-73.90	-0.10	0.00	0.00	0.00
L_M-W	25y3d	0.00	-129.77	-0.08	0.00	0.00	0.00
L_M-W	3Yr1D	0.00	-26.78	-0.07	0.00	0.00	0.00
L_M-W	5y1d	0.00	-49.06	-0.11	0.00	0.00	0.00

Weir Link: L_W

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	L	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	L_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_W	100y3d	19.55	-76.72	0.24	-1.73	-1.73	-1.73
L_W	10y1d	17.61	-44.39	-0.04	-1.68	-1.68	-1.68
L_W	25y3d	19.24	-65.82	0.07	-1.76	-1.76	-1.76
L_W	3Yr1D	13.22	-20.49	0.03	-1.55	-1.55	-1.55
L_W	5y1d	15.96	-32.29	0.07	-1.63	-1.63	-1.63

Weir Link: L_offsite

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	L	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.60 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	L_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite	100y3d	243.93	0.00	0.33	2.41	2.41	2.41
L_offsite	10y1d	63.79	0.00	-0.05	1.94	1.94	1.94
L_offsite	25y3d	148.23	0.00	0.09	2.28	2.28	2.28
L_offsite	3Yr1D	8.80	0.00	-0.01	1.30	1.30	1.30
L_offsite	5y1d	32.77	0.00	0.03	1.65	1.65	1.65

Pipe Link: L_offsite1		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.53 ft	Invert:	-1.41 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1075.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite1	100y3d	9.60	0.00	-0.34	3.06	3.06	3.06
L_offsite1	10y1d	8.44	0.00	0.17	2.69	2.69	2.69
L_offsite1	25y3d	9.14	0.00	-0.34	2.91	2.91	2.91
L_offsite1	3Yr1D	7.33	0.00	-0.30	2.33	2.33	2.33
L_offsite1	5y1d	7.98	0.00	0.27	2.54	2.54	2.54

Pipe Link: L_offsite2		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-1.64 ft	Invert:	-2.24 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	199.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite2	100y3d	9.51	0.00	-0.33	5.38	5.38	5.38
L_offsite2	10y1d	8.37	0.00	0.16	4.73	4.73	4.73
L_offsite2	25y3d	9.06	0.00	-0.33	5.12	5.12	5.12
L_offsite2	3Yr1D	7.26	0.00	-0.29	4.11	4.11	4.11
L_offsite2	5y1d	7.91	0.00	0.25	4.48	4.48	4.48

Pipe Link: L_offsite3		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-1.43 ft	Invert:	-2.27 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	183.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite3	100y3d	9.83	0.00	-0.34	5.56	5.56	5.56
L_offsite3	10y1d	8.64	0.00	0.17	4.89	4.89	4.89
L_offsite3	25y3d	9.36	0.00	-0.34	5.29	5.29	5.29
L_offsite3	3Yr1D	7.50	0.00	-0.29	4.24	4.24	4.24
L_offsite3	5y1d	8.17	0.00	0.26	4.62	4.62	4.62

Pipe Link: L_offsite4		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-1.27 ft	Invert:	-2.01 ft
From Node:	L	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	176.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite4	100y3d	25.42	0.00	-0.88	8.09	8.09	8.09
L_offsite4	10y1d	22.35	0.00	0.44	7.11	7.11	7.11
L_offsite4	25y3d	24.20	0.00	-0.88	7.70	7.70	7.70
L_offsite4	3Yr1D	19.39	0.00	-0.76	6.17	6.17	6.17
L_offsite4	5y1d	21.13	0.00	0.68	6.73	6.73	6.73

Pipe Link: L_offsite5		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.57 ft	Invert:	-2.20 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	663.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite5	100y3d	1.95	0.00	-0.07	2.48	2.48	2.48
L_offsite5	10y1d	1.71	0.00	0.03	2.18	2.18	2.18
L_offsite5	25y3d	1.86	0.00	-0.07	2.36	2.36	2.36
L_offsite5	3Yr1D	1.49	0.00	-0.06	1.89	1.89	1.89
L_offsite5	5y1d	1.62	0.00	0.05	2.06	2.06	2.06

Pipe Link: L_offsite6		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-1.25 ft	Invert:	-2.20 ft
From Node:	L	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	177.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite6	100y3d	25.38	0.00	-0.87	8.08	8.08	8.08
L_offsite6	10y1d	22.32	0.00	0.44	7.10	7.10	7.10
L_offsite6	25y3d	24.16	0.00	-0.88	7.69	7.69	7.69
L_offsite6	3Yr1D	19.36	0.00	-0.76	6.16	6.16	6.16
L_offsite6	5y1d	21.10	0.00	0.68	6.72	6.72	6.72

Pipe Link: L_offsite7		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.67 ft	Invert:	-1.14 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	160.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite7	100y3d	15.16	0.00	-0.52	6.30	6.30	6.30
L_offsite7	10y1d	13.33	0.00	0.26	5.54	5.54	5.54
L_offsite7	25y3d	14.43	0.00	-0.52	6.00	6.00	6.00
L_offsite7	3Yr1D	11.57	0.00	-0.45	4.81	4.81	4.81
L_offsite7	5y1d	12.60	0.00	0.41	5.24	5.24	5.24

Pipe Link: L_offsite8		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.99 ft	Invert:	-1.64 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	165.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite8	100y3d	3.66	0.00	-0.13	4.66	4.66	4.66
L_offsite8	10y1d	3.22	0.00	0.06	4.10	4.10	4.10
L_offsite8	25y3d	3.49	0.00	-0.13	4.44	4.44	4.44
L_offsite8	3Yr1D	2.79	0.00	-0.11	3.56	3.56	3.56
L_offsite8	5y1d	3.05	0.00	0.10	3.88	3.88	3.88

Pipe Link: L_offsite9		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-2.89 ft	Invert:	-1.89 ft
From Node:	L	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.67 ft	Max Depth:	0.67 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of L_offsite1/2/3/4/5/6/7/8
N is for clay

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite9	100y3d	1.29	0.00	-0.04	3.67	3.67	3.67
L_offsite9	10y1d	1.14	0.00	0.02	3.22	3.22	3.22
L_offsite9	25y3d	1.23	0.00	-0.04	3.49	3.49	3.49
L_offsite9	3Yr1D	0.99	0.00	-0.04	2.80	2.80	2.80
L_offsite9	5y1d	1.07	0.00	0.03	3.05	3.05	3.05

Pipe Link: M_N-P		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-5.00 ft	Invert:	-5.00 ft
From Node:	M	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	132.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_N-P	100y3d	12.87	-9.51	1.61	7.29	7.29	7.29
M_N-P	10y1d	11.02	-5.60	1.61	6.24	6.24	6.24
M_N-P	25y3d	11.86	-8.22	1.61	6.71	6.71	6.71
M_N-P	3Yr1D	10.73	-5.60	1.61	6.07	6.07	6.07
M_N-P	5y1d	10.89	-5.60	1.61	6.16	6.16	6.16

Weir Link: M_N-W			
Scenario:	PipesSLR	Bottom Clip	
From Node:	M	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	7.60 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	M_N	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_N-W	100y3d	0.00	-28.64	-0.15	0.00	0.00	0.00
M_N-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: M_W

Scenario:	PipesSLR	Bottom Clip	
From Node:	M	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.20 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	M_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_W	100y3d	6.20	0.00	0.01	1.74	1.74	1.74

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_W	10y1d	0.78	0.00	0.00	1.07	1.07	1.07
M_W	25y3d	3.21	0.00	0.00	1.50	1.50	1.50
M_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_W	5y1d	0.06	0.00	0.00	0.00	0.00	0.00

Weir Link: M_offsite-W

Scenario:	PipesSLR	Bottom Clip	
From Node:	M	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.10 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	M_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_offsite-W	100y3d	13.89	0.00	0.02	1.90	1.90	1.90
M_offsite-W	10y1d	2.69	0.00	0.01	1.28	1.28	1.28
M_offsite-W	25y3d	8.28	0.00	0.01	1.68	1.68	1.68
M_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_offsite-W	5y1d	0.72	0.00	0.00	0.91	0.91	0.91

Weir Link: N_O

Scenario:	PipesSLR	Bottom Clip	
From Node:	N	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular		
Invert:	9.30 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	N_O	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
N_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: N_O1		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	41.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O1	100y3d	4.37	-6.22	1.01	-5.07	-5.07	-5.07
N_O1	10y1d	4.37	-2.55	1.01	3.56	3.56	3.56

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O1	25y3d	4.37	-5.40	1.01	-4.40	-4.40	-4.40
N_O1	3Yr1D	4.37	-0.73	1.01	3.56	3.56	3.56
N_O1	5y1d	4.37	-1.68	1.01	3.56	3.56	3.56

Pipe Link: N_O2		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O2	100y3d	5.99	-8.54	1.39	-4.83	-4.83	-4.83
N_O2	10y1d	5.99	-3.51	1.39	3.39	3.39	3.39
N_O2	25y3d	5.99	-7.41	1.39	-4.20	-4.20	-4.20
N_O2	3Yr1D	5.99	-1.00	1.39	3.39	3.39	3.39
N_O2	5y1d	5.99	-2.31	1.39	3.39	3.39	3.39

Pipe Link: N_O3		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O3	100y3d	11.86	-16.90	2.74	-5.38	-5.38	-5.38
N_O3	10y1d	11.86	-6.94	2.74	3.78	3.78	3.78
N_O3	25y3d	11.86	-14.67	2.74	-4.67	-4.67	-4.67
N_O3	3Yr1D	11.86	-1.97	2.74	3.78	3.78	3.78
N_O3	5y1d	11.86	-4.57	2.74	3.78	3.78	3.78

Pipe Link: N_W-P		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-5.59 ft	Invert:	-5.59 ft
From Node:	N	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	177.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-P	100y3d	59.08	-0.65	1.37	8.36	8.36	8.36
N_W-P	10y1d	59.08	-0.65	1.13	8.36	8.36	8.36

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-P	25y3d	59.08	-1.26	1.61	8.36	8.36	8.36
N_W-P	3Yr1D	59.08	-0.65	1.66	8.36	8.36	8.36
N_W-P	5y1d	59.08	-0.65	1.29	8.36	8.36	8.36

Weir Link: N_W-W

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	N	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.40 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	N_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: O_offsite

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	O	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	5.00 ft
Control Elevation:	0.00 ft
Cross Section:	O_offsite

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
O_offsite	100y3d	81.21	0.00	0.05	3.84	3.84	3.84
O_offsite	10y1d	31.63	0.00	0.02	2.94	2.94	2.94
O_offsite	25y3d	61.50	0.00	0.03	3.53	3.53	3.53
O_offsite	3Yr1D	11.20	0.00	0.01	2.44	2.44	2.44
O_offsite	5y1d	21.04	0.00	0.03	2.71	2.71	2.71

Drop Structure Link: Oleander		Upstream Pipe		Downstream Pipe	
Scenario:	PipesSLR	Invert:	-5.25 ft	Invert:	-5.50 ft
From Node:	A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	112.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	1.00 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	

Control Elevation:	1.00 ft
Max Depth:	3.00 ft
Max Width:	8.00 ft
Fillet:	0.00 ft

Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Oleander - Pipe	100y3d	19.57	-1.95	0.07	0.00	0.00	0.00
Oleander - Weir: 2	100y3d	19.57	-1.95	0.08	1.70	1.70	1.70
Oleander - Pipe	10y1d	17.64	-0.22	0.01	0.00	0.00	0.00
Oleander - Weir: 2	10y1d	17.64	-0.22	-0.01	1.47	1.47	1.47
Oleander - Pipe	25y3d	18.64	-2.17	0.09	0.00	0.00	0.00
Oleander - Weir: 2	25y3d	18.64	-2.17	0.13	1.56	1.56	1.56
Oleander - Pipe	3Yr1D	15.99	-0.22	-0.01	0.00	0.00	0.00
Oleander - Weir: 2	3Yr1D	15.99	-0.22	0.02	1.28	1.28	1.28
Oleander - Pipe	5y1d	16.92	-0.22	-0.01	0.00	0.00	0.00
Oleander - Weir: 2	5y1d	16.92	-0.22	-0.02	1.38	1.38	1.38

Weir Link: P1_P2

Scenario:	PipesSLR
From Node:	P1
To Node:	P2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Invert:	4.90 ft
Control Elevation:	0.00 ft
Cross Section:	P1_P2

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_P2	100y3d	0.00	-8.57	-0.01	0.00	0.00	0.00
P1_P2	10y1d	0.00	-0.21	0.00	0.00	0.00	0.00
P1_P2	25y3d	0.00	-3.94	-0.01	0.00	0.00	0.00
P1_P2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_P2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_P3

Scenario:	PipesSLR
From Node:	P1
To Node:	P3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.40 ft
Control Elevation:	0.00 ft
Cross Section:	P1_P3

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_P3	100y3d	5.78	0.00	0.01	1.33	1.33	1.33
P1_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P1_P3	25y3d	0.76	0.00	0.00	0.90	0.90	0.90
P1_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_W

Scenario:	PipesSLR	Bottom Clip	
From Node:	P1	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P1_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_W	100y3d	44.86	-30.13	-0.23	-1.26	-1.26	-1.26
P1_W	10y1d	27.72	-20.63	-0.04	-1.27	-1.27	-1.27
P1_W	25y3d	42.11	-20.50	-0.06	-1.26	-1.26	-1.26
P1_W	3Yr1D	9.55	-20.11	-0.05	-1.29	-1.29	-1.29
P1_W	5y1d	18.21	-21.05	-0.05	-1.27	-1.27	-1.27

Weir Link: P1_offsite

Scenario:	PipesSLR	Bottom Clip	
From Node:	P1	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.10 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800

Cross Section: P1_offsite

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite	100y3d	22.15	0.00	0.04	1.59	1.59	1.59
P1_offsite	10y1d	0.51	0.00	0.00	0.92	0.92	0.92
P1_offsite	25y3d	6.37	0.00	-0.01	1.44	1.44	1.44
P1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P1_offsite1

		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.27 ft	Invert:	-3.76 ft
From Node:	P1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	132.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite1	100y3d	27.16	0.00	0.24	8.65	8.65	8.65
P1_offsite1	10y1d	23.83	0.00	-0.17	7.59	7.59	7.59
P1_offsite1	25y3d	25.85	0.00	0.17	8.23	8.23	8.23
P1_offsite1	3Yr1D	20.39	0.00	0.15	6.49	6.49	6.49
P1_offsite1	5y1d	22.46	0.00	-0.18	7.15	7.15	7.15

Pipe Link: P1_offsite2		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.57 ft	Invert:	-2.40 ft
From Node:	P1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P1_offsite1/2, n = 0.012, size = 18"

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite2	100y3d	11.60	0.00	0.10	6.57	6.57	6.57
P1_offsite2	10y1d	10.18	0.00	-0.07	5.76	5.76	5.76
P1_offsite2	25y3d	11.05	0.00	0.07	6.25	6.25	6.25
P1_offsite2	3Yr1D	8.71	0.00	0.06	4.93	4.93	4.93
P1_offsite2	5y1d	9.60	0.00	-0.07	5.43	5.43	5.43

Pipe Link: P1_offsite3		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.57 ft	Invert:	-2.40 ft
From Node:	P1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	130.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P1_offsite1/2

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite3	100y3d	0.93	0.00	0.01	4.75	4.75	4.75
P1_offsite3	10y1d	0.82	0.00	-0.01	4.17	4.17	4.17
P1_offsite3	25y3d	0.89	0.00	0.01	4.52	4.52	4.52
P1_offsite3	3Yr1D	0.70	0.00	0.00	3.57	3.57	3.57
P1_offsite3	5y1d	0.77	0.00	-0.01	3.93	3.93	3.93

Weir Link: P2_P3

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	P2	Default:	0.00 ft
To Node:	P3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P2_P3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_P3	100y3d	5.42	0.00	0.01	1.34	1.34	1.34
P2_P3	10y1d	0.18	0.00	0.00	0.55	0.55	0.55
P2_P3	25y3d	2.67	0.00	0.00	1.11	1.11	1.11
P2_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P2_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P2_offsite-P

		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	1.23 ft	Invert:	1.23 ft
From Node:	P2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	127.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_offsite-P	100y3d	4.71	0.00	0.01	6.00	6.00	6.00
P2_offsite-P	10y1d	4.57	0.00	0.00	5.82	5.82	5.82
P2_offsite-P	25y3d	4.66	0.00	0.01	5.93	5.93	5.93
P2_offsite-P	3Yr1D	4.11	0.00	0.00	5.24	5.24	5.24
P2_offsite-P	5y1d	4.39	0.00	0.00	5.59	5.59	5.59

Weir Link: P2_offsite-W

Scenario:	PipesSLR	Bottom Clip	
From Node:	P2	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P2_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_offsite-W	100y3d	2.87	0.00	0.00	1.32	1.32	1.32

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_offsite-W	10y1d	0.16	0.00	0.00	0.68	0.68	0.68
P2_offsite-W	25y3d	1.43	0.00	0.00	1.17	1.17	1.17
P2_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P2_offsite-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P3_Q

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	P3	Default:	0.00 ft
To Node:	Q	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.20 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P3_Q	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q	100y3d	0.00	-24.08	0.04	0.00	0.00	0.00
P3_Q	10y1d	0.00	-0.01	0.00	0.00	0.00	0.00
P3_Q	25y3d	0.00	-10.73	0.02	0.00	0.00	0.00
P3_Q	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P3_Q	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P3_Q1

		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-1.80 ft	Invert:	-1.80 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Q	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	369.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q1	100y3d	0.00	-45.90	-2.13	-6.49	-6.49	-6.49
P3_Q1	10y1d	0.00	-35.62	-2.08	-5.04	-5.04	-5.04
P3_Q1	25y3d	0.00	-42.93	-2.20	-6.07	-6.07	-6.07
P3_Q1	3Yr1D	0.00	-23.95	2.02	-3.39	-3.39	-3.39
P3_Q1	5y1d	0.00	-29.98	-2.10	-4.24	-4.24	-4.24

Pipe Link: P3_Q2		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-3.05 ft	Invert:	-3.05 ft
From Node:	P3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Q	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q2	100y3d	0.00	-16.78	-0.78	-9.50	-9.50	-9.50
P3_Q2	10y1d	0.00	-13.03	-0.76	-7.37	-7.37	-7.37

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q2	25y3d	0.00	-15.70	-0.80	-8.88	-8.88	-8.88
P3_Q2	3Yr1D	0.00	-8.76	0.74	-4.96	-4.96	-4.96
P3_Q2	5y1d	0.00	-10.96	-0.77	-6.20	-6.20	-6.20

Weir Link: P3_W

Scenario:	PipesSLR	Bottom Clip	
From Node:	P3	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.70 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P3_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_W	100y3d	0.00	-0.12	0.00	0.00	0.00	0.00
P3_W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P3_offsite

Scenario:	PipesSLR	Bottom Clip	
From Node:	P3	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	3.00 ft
Control Elevation:	0.00 ft
Cross Section:	P3_offsite

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Invert changed from 2.9 to 3

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite	100y3d	149.64	0.00	-0.14	2.51	2.51	2.51
P3_offsite	10y1d	78.62	0.00	-0.05	2.06	2.06	2.06
P3_offsite	25y3d	114.50	0.00	-0.06	2.31	2.31	2.31
P3_offsite	3Yr1D	47.69	0.00	-0.03	1.79	1.79	1.79
P3_offsite	5y1d	63.38	0.00	-0.05	1.94	1.94	1.94

Pipe Link: P3_offsite1		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	0.02 ft	Invert:	-3.86 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	285.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite1	100y3d	2.25	0.00	0.05	2.86	2.86	2.86
P3_offsite1	10y1d	1.98	0.00	0.03	2.52	2.52	2.52
P3_offsite1	25y3d	2.13	0.00	0.07	2.71	2.71	2.71

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite1	3Yr1D	1.82	0.00	0.05	2.32	2.32	2.32
P3_offsite1	5y1d	1.91	0.00	0.04	2.43	2.43	2.43

Pipe Link: P3_offsite2		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-1.20 ft	Invert:	-5.27 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite2	100y3d	7.60	0.00	0.16	6.20	6.20	6.20
P3_offsite2	10y1d	6.71	0.00	0.09	5.46	5.46	5.46
P3_offsite2	25y3d	7.20	0.00	0.25	5.86	5.86	5.86
P3_offsite2	3Yr1D	6.15	0.00	0.16	5.01	5.01	5.01
P3_offsite2	5y1d	6.45	0.00	0.15	5.26	5.26	5.26

Pipe Link: P3_offsite3		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.59 ft	Invert:	-4.57 ft
From Node:	P3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P3_offsite1/2, n = 0.012, size = 18"

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite3	100y3d	11.85	0.00	0.25	6.70	6.70	6.70
P3_offsite3	10y1d	10.45	0.00	0.13	5.91	5.91	5.91
P3_offsite3	25y3d	11.21	0.00	0.39	6.34	6.34	6.34
P3_offsite3	3Yr1D	9.59	0.00	0.26	5.42	5.42	5.42
P3_offsite3	5y1d	10.05	0.00	0.23	5.69	5.69	5.69

Weir Link: P4_R-W

Scenario:	PipesSLR	Bottom Clip	
From Node:	P4	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.54 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P4_R	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_R-W	100y3d	5.12	-47.77	0.20	-1.92	-1.92	-1.92
P4_R-W	10y1d	4.48	-18.58	0.09	-1.76	-1.76	-1.76
P4_R-W	25y3d	5.26	-33.11	-0.02	-1.92	-1.92	-1.92
P4_R-W	3Yr1D	0.00	-6.84	0.01	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_R-W	5y1d	1.45	-12.59	0.09	-1.56	-1.56	-1.56

Weir Link: P4_U1-W

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	P4	Default:	0.00 ft
To Node:	U1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.86 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P4_U1	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_U1-W	100y3d	2.59	-13.74	0.02	-1.66	-1.66	-1.66
P4_U1-W	10y1d	0.00	-1.12	0.00	0.00	0.00	0.00
P4_U1-W	25y3d	2.27	-7.00	0.02	-1.42	-1.42	-1.42
P4_U1-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P4_U1-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P4_offsite

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	P4	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.50 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800

Cross Section: P4_offsite

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite	100y3d	35.26	0.00	0.10	1.66	1.66	1.66
P4_offsite	10y1d	3.94	0.00	0.00	1.49	1.49	1.49
P4_offsite	25y3d	14.82	0.00	0.01	1.66	1.66	1.66
P4_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P4_offsite	5y1d	1.09	0.00	0.00	1.11	1.11	1.11

Pipe Link: P4_offsite1		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-1.19 ft	Invert:	-3.77 ft
From Node:	P4	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	161.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite1	100y3d	11.50	0.00	0.03	6.51	6.51	6.51
P4_offsite1	10y1d	10.05	0.00	-0.01	5.69	5.69	5.69
P4_offsite1	25y3d	11.00	0.00	0.03	6.22	6.22	6.22
P4_offsite1	3Yr1D	8.30	0.00	-0.01	4.70	4.70	4.70
P4_offsite1	5y1d	9.32	0.00	-0.02	5.28	5.28	5.28

Pipe Link: P4_offsite3		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-1.17 ft	Invert:	-2.77 ft
From Node:	P4	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	142.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: DIP pipe

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite3	100y3d	11.92	0.00	0.04	6.75	6.75	6.75
P4_offsite3	10y1d	10.42	0.00	-0.01	5.89	5.89	5.89
P4_offsite3	25y3d	11.40	0.00	0.03	6.45	6.45	6.45
P4_offsite3	3Yr1D	8.60	0.00	-0.01	4.87	4.87	4.87
P4_offsite3	5y1d	9.66	0.00	-0.02	5.47	5.47	5.47

Weir Link: Q_R					
Scenario:	PipesSLR	Bottom Clip			
From Node:	Q	Default:	0.00 ft		
To Node:	R	Op Table:			
Link Count:	1	Ref Node:			
Flow Direction:	Both	Top Clip			
Damping:	0.0000 ft	Default:	0.00 ft		
Weir Type:	Broad Crested Vertical	Op Table:			
Geometry Type:	Irregular	Ref Node:			
Invert:	7.10 ft	Discharge Coefficients			
Control Elevation:	0.00 ft	Weir Default:	2.800		
Cross Section:	Q_R	Weir Table:			
		Orifice Default:	0.600		
		Orifice Table:			

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_R	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: Q_S

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	Q	Default:	0.00 ft
To Node:	S	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.60 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	Q_S	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_S	100y3d	0.00	-54.96	0.08	0.00	0.00	0.00
Q_S	10y1d	0.00	-0.87	0.00	0.00	0.00	0.00
Q_S	25y3d	0.00	-25.17	-0.04	0.00	0.00	0.00
Q_S	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_S	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: Q_W

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	Q	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	5.30 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	Q_W	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_W	100y3d	38.32	0.00	-0.07	2.56	2.56	2.56
Q_W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
Q_W	25y3d	14.67	0.00	-0.03	2.04	2.04	2.04
Q_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: R_P3

Scenario:	PipesSLR	Bottom Clip	
From Node:	R	Default:	0.00 ft
To Node:	P3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	R_P3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_P3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: R_U3

Scenario:	PipesSLR
From Node:	R
To Node:	U3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.24 ft
Control Elevation:	0.00 ft
Cross Section:	R_U3

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_U3	100y3d	0.17	-0.48	-0.01	-0.65	-0.65	-0.65
R_U3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: R_U3-P

Scenario:	PipesSLR
From Node:	R
To Node:	U3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	284.00 ft

Upstream

Invert:	-1.12 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	1.50 ft

Bottom Clip

Default:	0.00 ft
Op Table:	

Downstream

Invert:	-1.12 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	1.50 ft

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_U3-P	100y3d	4.61	-1.39	0.31	2.61	2.61	2.61
R_U3-P	10y1d	3.83	-0.83	0.31	2.17	2.17	2.17
R_U3-P	25y3d	4.50	-1.30	0.31	2.55	2.55	2.55
R_U3-P	3Yr1D	3.37	-0.59	0.31	1.91	1.91	1.91
R_U3-P	5y1d	3.00	-0.59	0.31	1.70	1.70	1.70

Weir Link: R_offsite

Scenario:	PipesSLR	Bottom Clip	
From Node:	R	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.06 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	R_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite	100y3d	5.96	0.00	-0.01	1.11	1.11	1.11
R_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_offsite	25y3d	1.50	0.00	0.00	0.80	0.80	0.80

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: R_offsite1		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	0.00 ft	Invert:	-2.33 ft
From Node:	R	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	138.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite1	100y3d	10.08	0.00	-0.06	5.71	5.71	5.71
R_offsite1	10y1d	9.10	0.00	-0.06	5.15	5.15	5.15
R_offsite1	25y3d	9.63	0.00	-0.06	5.45	5.45	5.45
R_offsite1	3Yr1D	8.75	0.00	-0.06	4.95	4.95	4.95
R_offsite1	5y1d	8.78	0.00	-0.06	4.97	4.97	4.97

Pipe Link: R_offsite2		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.16 ft	Invert:	-2.96 ft
From Node:	R	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P4_offsite1/2/3, n = 0.012, size = 18"

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite2	100y3d	6.48	0.00	-0.03	5.28	5.28	5.28
R_offsite2	10y1d	5.85	0.00	-0.03	4.76	4.76	4.76
R_offsite2	25y3d	6.19	0.00	-0.03	5.04	5.04	5.04
R_offsite2	3Yr1D	5.62	0.00	-0.03	4.58	4.58	4.58
R_offsite2	5y1d	5.64	0.00	-0.03	4.60	4.60	4.60

Weir Link: S_N

Scenario:	PipesSLR	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_N	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_N	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_N	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: S_R

Scenario:	PipesSLR	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_R	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_R	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_R	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: S_T

Scenario:	PipesSLR	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	T	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800

Cross Section: S_T

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_T	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: S_T1		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-5.80 ft	Invert:	-5.80 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	66.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T1	100y3d	6.95	-6.23	-1.73	3.93	3.93	3.93
S_T1	10y1d	5.41	-6.23	-1.73	-3.53	-3.53	-3.53
S_T1	25y3d	6.54	-6.23	-1.73	3.70	3.70	3.70
S_T1	3Yr1D	4.18	-6.23	-1.73	-3.53	-3.53	-3.53
S_T1	5y1d	4.73	-6.23	-1.73	-3.53	-3.53	-3.53

Pipe Link: S_T2		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-5.80 ft	Invert:	-5.80 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T2	100y3d	6.89	-6.18	-1.71	3.90	3.90	3.90
S_T2	10y1d	5.37	-6.18	-1.71	-3.50	-3.50	-3.50
S_T2	25y3d	6.48	-6.18	-1.71	3.67	3.67	3.67
S_T2	3Yr1D	4.15	-6.18	-1.71	-3.50	-3.50	-3.50
S_T2	5y1d	4.70	-6.18	-1.71	-3.50	-3.50	-3.50

Pipe Link: S_T3		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-5.60 ft	Invert:	-5.60 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T3	100y3d	7.64	-6.85	-1.90	4.32	4.32	4.32
S_T3	10y1d	5.95	-6.85	-1.90	-3.88	-3.88	-3.88
S_T3	25y3d	7.19	-6.85	-1.90	4.07	4.07	4.07
S_T3	3Yr1D	4.60	-6.85	-1.90	-3.88	-3.88	-3.88
S_T3	5y1d	5.21	-6.85	-1.90	-3.88	-3.88	-3.88

Pipe Link: S_T4		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-6.25 ft	Invert:	-6.25 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T4	100y3d	7.60	-6.82	-1.89	4.30	4.30	4.30
S_T4	10y1d	5.92	-6.82	-1.89	-3.86	-3.86	-3.86
S_T4	25y3d	7.15	-6.82	-1.89	4.05	4.05	4.05
S_T4	3Yr1D	4.58	-6.82	-1.89	-3.86	-3.86	-3.86
S_T4	5y1d	5.18	-6.82	-1.89	-3.86	-3.86	-3.86

Pipe Link: S_T5		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	S	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	66.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, n for concrete

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T5	100y3d	7.24	-6.50	-1.80	4.10	4.10	4.10
S_T5	10y1d	5.64	-6.50	-1.80	-3.68	-3.68	-3.68
S_T5	25y3d	6.82	-6.50	-1.80	3.86	3.86	3.86
S_T5	3Yr1D	4.36	-6.50	-1.80	-3.68	-3.68	-3.68
S_T5	5y1d	4.94	-6.50	-1.80	-3.68	-3.68	-3.68

Pipe Link: S_V-P		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-4.70 ft	Invert:	-4.70 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	V	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	96.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-P	100y3d	76.80	-7.22	-6.23	10.86	10.86	10.86
S_V-P	10y1d	76.80	-10.53	-6.23	10.86	10.86	10.86
S_V-P	25y3d	76.80	-10.08	-6.23	10.86	10.86	10.86
S_V-P	3Yr1D	76.80	-10.16	-6.23	10.86	10.86	10.86
S_V-P	5y1d	76.80	-10.65	-6.23	10.86	10.86	10.86

Weir Link: S_V-W

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	S	Default:	0.00 ft
To Node:	V	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.10 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_V	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: S_W-P

		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-5.05 ft	Invert:	-5.05 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	174.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-P	100y3d	28.18	-2.97	-0.37	8.97	8.97	8.97
S_W-P	10y1d	28.18	-0.06	-0.36	8.97	8.97	8.97
S_W-P	25y3d	28.18	-0.05	-0.35	8.97	8.97	8.97
S_W-P	3Yr1D	28.18	-0.05	-0.36	8.97	8.97	8.97
S_W-P	5y1d	28.18	-0.03	-0.37	8.97	8.97	8.97

Weir Link: S_W-W

Scenario:	PipesSLR	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: T_O

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	T	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.60 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	T_O	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
T_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
T_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: T_offsite

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	T	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	5.00 ft
Control Elevation:	0.00 ft
Cross Section:	T_offsite

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
T_offsite	100y3d	111.79	0.00	0.07	3.50	3.50	3.50
T_offsite	10y1d	79.01	0.00	0.06	3.15	3.15	3.15
T_offsite	25y3d	100.06	0.00	0.06	3.38	3.38	3.38
T_offsite	3Yr1D	52.49	0.00	0.05	2.81	2.81	2.81
T_offsite	5y1d	66.14	0.00	0.06	2.99	2.99	2.99

Pipe Link: U1_U3-P		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	U1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	U3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	560.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_U3-P	100y3d	4.37	-1.67	0.38	2.47	2.47	2.47
U1_U3-P	10y1d	4.18	-1.19	0.38	2.36	2.36	2.36
U1_U3-P	25y3d	4.29	-1.66	0.38	2.43	2.43	2.43

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_U3-P	3Yr1D	4.00	-0.72	0.38	2.26	2.26	2.26
U1_U3-P	5y1d	4.12	-1.04	0.38	2.33	2.33	2.33

Weir Link: U1_offsite

Scenario:	PipesSLR
From Node:	U1
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.80 ft
Control Elevation:	0.00 ft
Cross Section:	U1_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_offsite	100y3d	13.37	0.00	0.01	1.51	1.51	1.51
U1_offsite	10y1d	0.99	0.00	0.00	1.15	1.15	1.15
U1_offsite	25y3d	5.56	0.00	0.01	1.28	1.28	1.28
U1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U1_offsite	5y1d	0.15	0.00	0.00	0.67	0.67	0.67

Pipe Link: U1_offsite1

Scenario:	PipesSLR
From Node:	U1
To Node:	Outfall South
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Length:	180.00 ft
FHWA Code:	0
Entr Loss Coef:	0.50

Upstream

Invert:	-0.89 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	1.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Downstream

Invert:	-1.26 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	1.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_offsite1	100y3d	3.08	0.00	-0.01	3.92	3.92	3.92
U1_offsite1	10y1d	2.78	0.00	-0.01	3.54	3.54	3.54
U1_offsite1	25y3d	2.95	0.00	0.02	3.76	3.76	3.76
U1_offsite1	3Yr1D	2.68	0.00	-0.01	3.41	3.41	3.41
U1_offsite1	5y1d	2.68	0.00	-0.01	3.41	3.41	3.41

Pipe Link: U2_offsiteP		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-1.45 ft	Invert:	-2.44 ft
From Node:	U2	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	152.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U2_offsiteP	100y3d	22.60	0.00	0.08	7.19	7.19	7.19
U2_offsiteP	10y1d	21.05	0.00	-0.03	6.70	6.70	6.70
U2_offsiteP	25y3d	21.98	0.00	0.07	7.00	7.00	7.00
U2_offsiteP	3Yr1D	18.25	0.00	-0.04	5.81	5.81	5.81

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U2_offsiteP	5y1d	20.01	0.00	-0.04	6.37	6.37	6.37

Weir Link: U2_offsiteW

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	U2	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.80 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	U2_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U2_offsiteW	100y3d	39.33	0.00	0.05	1.52	1.52	1.52
U2_offsiteW	10y1d	4.92	0.00	-0.01	1.04	1.04	1.04
U2_offsiteW	25y3d	21.00	0.00	0.02	1.34	1.34	1.34
U2_offsiteW	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U2_offsiteW	5y1d	0.53	0.00	0.00	0.64	0.64	0.64

Weir Link: U3_U1

Scenario:	PipesSLR	**Bottom Clip**	
From Node:	U3	Default:	0.00 ft
To Node:	U1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.52 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800

Cross Section: U3_U1

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_U1	100y3d	14.20	-10.26	-0.03	1.40	1.40	1.40
U3_U1	10y1d	3.04	-8.12	-0.02	-1.39	-1.39	-1.39
U3_U1	25y3d	9.24	-9.88	-0.02	-1.39	-1.39	-1.39
U3_U1	3Yr1D	0.00	-1.79	0.00	-1.04	-1.04	-1.04
U3_U1	5y1d	1.10	-5.07	-0.02	-1.37	-1.37	-1.37

Weir Link: U3_U2

Scenario: PipesSLR
From Node: U3
To Node: U2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 8.30 ft
Control Elevation: 0.00 ft
Cross Section: U3_U2

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_U2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: U3_offsite		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-0.89 ft	Invert:	-1.26 ft
From Node:	U3	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	148.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_offsite	100y3d	23.11	0.00	-0.19	7.36	7.36	7.36
U3_offsite	10y1d	20.64	0.00	0.16	6.57	6.57	6.57
U3_offsite	25y3d	22.13	0.00	-0.15	7.04	7.04	7.04
U3_offsite	3Yr1D	20.09	0.00	-0.15	6.40	6.40	6.40
U3_offsite	5y1d	20.09	0.00	-0.15	6.40	6.40	6.40

Weir Link: V_S			
Scenario:	PipesSLR	Bottom Clip	
From Node:	V	Default:	0.00 ft
To Node:	S	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	V_S	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
V_S	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: V_S1		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	1.00 ft	Invert:	1.00 ft
From Node:	V	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	S	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	67.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S1	100y3d	1.58	-11.68	1.36	-6.61	-7.18	-6.89
V_S1	10y1d	2.30	-11.68	1.36	-6.61	-7.18	-6.89
V_S1	25y3d	2.20	-11.68	1.36	-6.61	-7.18	-6.89
V_S1	3Yr1D	2.22	-11.68	1.36	-6.61	-7.18	-6.89
V_S1	5y1d	2.33	-11.68	1.36	-6.61	-7.18	-6.89

Pipe Link: V_S2		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	2.00 ft	Invert:	2.00 ft
From Node:	V	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	S	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S2	100y3d	1.57	-6.98	0.66	-3.95	-5.45	-4.70
V_S2	10y1d	2.29	-6.98	0.63	-3.95	-5.45	-4.70
V_S2	25y3d	2.19	-6.98	0.67	-3.95	-5.45	-4.70
V_S2	3Yr1D	2.21	-6.98	0.55	-3.95	-5.45	-4.70
V_S2	5y1d	2.32	-6.98	0.63	-3.95	-5.45	-4.70

Pipe Link: V_T-P		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-4.35 ft	Invert:	-4.35 ft
From Node:	V	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_T-P	100y3d	6.19	-20.44	0.57	-11.57	-11.57	-11.57
V_T-P	10y1d	5.82	-20.44	0.57	-11.57	-11.57	-11.57
V_T-P	25y3d	6.09	-20.44	0.57	-11.57	-11.57	-11.57
V_T-P	3Yr1D	5.02	-20.44	0.57	-11.57	-11.57	-11.57
V_T-P	5y1d	5.58	-20.44	0.61	-11.57	-11.57	-11.57

Weir Link: V_T-W

Scenario:	PipesSLR	Bottom Clip	
From Node:	V	Default:	0.00 ft
To Node:	T	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	V_T	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_T-W	100y3d	20.41	0.00	0.02	1.84	1.84	1.84
V_T-W	10y1d	12.69	0.00	0.02	1.70	1.70	1.70
V_T-W	25y3d	18.26	0.00	0.02	1.80	1.80	1.80
V_T-W	3Yr1D	4.32	0.00	0.01	1.53	1.53	1.53
V_T-W	5y1d	8.88	0.00	0.02	1.63	1.63	1.63

Weir Link: V_U2

Scenario:	PipesSLR	Bottom Clip	
From Node:	V	Default:	0.00 ft
To Node:	U2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	9.40 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	V_U2	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_U2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: V_offsite

Scenario:	PipesSLR	Bottom Clip	
From Node:	V	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.80 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	V_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_offsite	100y3d	77.88	0.00	-0.07	2.19	2.19	2.19
V_offsite	10y1d	35.89	0.00	0.06	1.84	1.84	1.84

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_offsite	25y3d	60.41	0.00	0.05	2.05	2.05	2.05
V_offsite	3Yr1D	13.37	0.00	0.03	1.65	1.65	1.65
V_offsite	5y1d	24.66	0.00	0.05	1.76	1.76	1.76

Pipe Link: W1_W-P		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-5.60 ft	Invert:	-6.00 ft
From Node:	W1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	960.62 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W1_W-P	100y3d	32.87	-17.94	0.82	4.65	4.65	4.65
W1_W-P	10y1d	28.69	-17.94	0.82	4.06	4.06	4.06
W1_W-P	25y3d	31.86	-17.94	0.82	4.51	4.51	4.51
W1_W-P	3Yr1D	26.86	-17.94	0.82	3.80	3.80	3.80
W1_W-P	5y1d	27.68	-17.94	0.82	3.92	3.92	3.92

Pipe Link: W_offsite-P		Upstream		Downstream	
Scenario:	PipesSLR	Invert:	-6.00 ft	Invert:	-6.00 ft
From Node:	W	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	425.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-P	100y3d	36.07	0.00	0.12	3.75	3.75	3.75
W_offsite-P	10y1d	31.68	0.00	-0.99	3.29	3.29	3.29
W_offsite-P	25y3d	34.33	0.00	-0.95	3.57	3.57	3.57
W_offsite-P	3Yr1D	27.29	0.00	-0.94	2.84	2.84	2.84
W_offsite-P	5y1d	29.90	0.00	-1.00	3.11	3.11	3.11

Weir Link: W_offsite-W

Scenario:	PipesSLR	Bottom Clip	
From Node:	W	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	W_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PipesSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Rating Curve Link: APumpC

Scenario: Pumps
From Node: A
To Node: Outfall North
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
APump	1.50	A	0.00	A

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
APumpC	100y3d	50.00	0.00	-25.00	0.00	0.00	0.00
APumpC	10y1d	50.00	0.00	-25.00	0.00	0.00	0.00
APumpC	25y3d	50.00	0.00	-25.00	0.00	0.00	0.00
APumpC	3Yr1D	50.00	0.00	-25.00	0.00	0.00	0.00
APumpC	5y1d	50.00	0.00	25.00	0.00	0.00	0.00

Weir Link: A_offsite

Scenario: Pumps
From Node: A
To Node: Outfall North
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 2.40 ft
Control Elevation: 0.00 ft
Cross Section: A_offsite

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A_offsite	100y3d	109.40	0.00	0.07	1.97	1.97	1.97
A_offsite	10y1d	25.83	0.00	-0.02	1.65	1.65	1.65
A_offsite	25y3d	69.27	0.00	0.05	1.83	1.83	1.83
A_offsite	3Yr1D	0.28	0.00	0.00	0.64	0.64	0.64
A_offsite	5y1d	10.09	0.00	0.01	1.44	1.44	1.44

Weir Link: B_C

Scenario:	Pumps	**Bottom Clip**	
From Node:	B	Default:	0.00 ft
To Node:	C	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	B_C	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_C	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
B_C	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: B_offsite-P

		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.97 ft	Invert:	-2.81 ft
From Node:	B	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	131.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_offsite-P	100y3d	4.43	-0.01	-0.14	5.64	5.64	5.64
B_offsite-P	10y1d	4.22	-0.01	-0.14	5.37	5.37	5.37
B_offsite-P	25y3d	4.34	-0.01	-0.14	5.53	5.53	5.53
B_offsite-P	3Yr1D	3.98	-0.01	-0.14	5.07	5.07	5.07
B_offsite-P	5y1d	4.12	-0.01	-0.14	5.24	5.24	5.24

Weir Link: B_offsite-W

Scenario:	Pumps	Bottom Clip	
From Node:	B	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	2.80 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	B_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_offsite-W	100y3d	10.66	0.00	0.01	1.74	1.74	1.74

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_offsite-W	10y1d	2.98	0.00	0.00	1.63	1.63	1.63
B_offsite-W	25y3d	5.87	0.00	0.00	1.74	1.74	1.74
B_offsite-W	3Yr1D	0.41	0.00	0.00	0.88	0.88	0.88
B_offsite-W	5y1d	1.65	0.00	0.00	1.35	1.35	1.35

Weir Link: C_D

Scenario:	Pumps	Bottom Clip	
From Node:	C	Default:	0.00 ft
To Node:	D	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	C_D	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_D	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
C_D	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: C_J1

Scenario:	Pumps	Bottom Clip	
From Node:	C	Default:	0.00 ft
To Node:	J1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	7.40 ft
Control Elevation:	0.00 ft
Cross Section:	C_J1

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_J1	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: C_offsite

Scenario:	Pumps
From Node:	C
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	1.40 ft
Control Elevation:	0.00 ft
Cross Section:	C_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite	100y3d	129.80	0.00	-0.14	1.71	1.71	1.71
C_offsite	10y1d	65.59	0.00	0.04	1.51	1.51	1.51
C_offsite	25y3d	99.64	0.00	0.05	1.63	1.63	1.63

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite	3Yr1D	37.67	0.00	0.02	1.38	1.38	1.38
C_offsite	5y1d	51.47	0.00	0.03	1.45	1.45	1.45

Pipe Link: C_offsite1		Upstream		Downstream	
Scenario:	Pumps	Invert:	-1.31 ft	Invert:	-3.28 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite1	100y3d	1.26	0.00	-0.01	2.32	2.32	2.32
C_offsite1	10y1d	1.26	0.00	-0.01	2.32	2.32	2.32
C_offsite1	25y3d	1.26	0.00	-0.01	2.32	2.32	2.32
C_offsite1	3Yr1D	1.26	0.00	-0.01	2.32	2.32	2.32
C_offsite1	5y1d	1.26	0.00	-0.01	2.32	2.32	2.32

Pipe Link: C_offsite2		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.81 ft	Invert:	-1.82 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	92.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite2	100y3d	2.30	0.00	-0.06	2.93	3.33	3.13
C_offsite2	10y1d	2.30	0.00	-0.06	2.93	3.33	3.13
C_offsite2	25y3d	2.30	0.00	-0.06	2.93	3.33	3.13
C_offsite2	3Yr1D	2.30	0.00	-0.06	2.93	3.33	3.13
C_offsite2	5y1d	2.30	0.00	-0.06	2.93	3.33	3.13

Pipe Link: C_offsite3		Upstream		Downstream	
Scenario:	Pumps	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	91.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite3	100y3d	2.36	0.00	-0.04	3.00	3.00	3.00
C_offsite3	10y1d	2.36	0.00	-0.04	3.00	3.00	3.00
C_offsite3	25y3d	2.36	0.00	-0.04	3.00	3.00	3.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite3	3Yr1D	2.36	0.00	-0.04	3.00	3.00	3.00
C_offsite3	5y1d	2.36	0.00	-0.04	3.00	3.00	3.00

Pipe Link: C_offsite4		Upstream		Downstream	
Scenario:	Pumps	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite4	100y3d	5.40	0.00	-0.14	6.88	6.88	6.88
C_offsite4	10y1d	5.40	0.00	-0.14	6.88	6.88	6.88
C_offsite4	25y3d	5.40	0.00	-0.14	6.88	6.88	6.88
C_offsite4	3Yr1D	5.40	0.00	-0.14	6.88	6.88	6.88
C_offsite4	5y1d	5.40	0.00	-0.14	6.88	6.88	6.88

Pipe Link: C_offsite5		Upstream		Downstream	
Scenario:	Pumps	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite5	100y3d	5.32	0.00	-0.14	6.78	6.78	6.78
C_offsite5	10y1d	5.32	0.00	-0.14	6.78	6.78	6.78
C_offsite5	25y3d	5.32	0.00	-0.14	6.78	6.78	6.78
C_offsite5	3Yr1D	5.32	0.00	-0.14	6.78	6.78	6.78
C_offsite5	5y1d	5.32	0.00	-0.14	6.78	6.78	6.78

Pipe Link: C_offsite6		Upstream		Downstream	
Scenario:	Pumps	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2
n for iron pipe

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite6	100y3d	3.33	0.00	-0.05	6.16	6.16	6.16
C_offsite6	10y1d	3.33	0.00	-0.05	6.16	6.16	6.16

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite6	25y3d	3.33	0.00	-0.05	6.16	6.16	6.16
C_offsite6	3Yr1D	3.33	0.00	-0.05	6.16	6.16	6.16
C_offsite6	5y1d	3.33	0.00	-0.05	6.16	6.16	6.16

Drop Structure Link: CyprCkE		Upstream Pipe		Downstream Pipe	
Scenario:	Pumps	Invert:	-0.60 ft	Invert:	-0.60 ft
From Node:	A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	104.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Sharp Crested Vertical	Default:	0.00 ft
Geometry Type:	Rectangular	Op Table:	
Invert:	1.00 ft	Ref Node:	
Control Elevation:	1.00 ft	Discharge Coefficients	
Max Depth:	3.00 ft	Weir Default:	3.200
Max Width:	6.00 ft	Weir Table:	
Fillet:	0.00 ft	Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CyprCkE - Pipe	100y3d	7.02	0.00	-0.12	0.00	0.00	0.00
CyprCkE - Weir: 1	100y3d	7.02	0.00	-0.11	1.63	1.63	1.63
CyprCkE - Pipe	10y1d	6.43	0.00	-0.11	0.00	0.00	0.00
CyprCkE - Weir: 1	10y1d	6.43	0.00	-0.11	1.66	1.66	1.66
CyprCkE - Pipe	25y3d	6.79	0.00	-0.10	0.00	0.00	0.00
CyprCkE - Weir: 1	25y3d	6.79	0.00	-0.10	1.63	1.63	1.63
CyprCkE - Pipe	3Yr1D	5.40	0.00	-0.10	0.00	0.00	0.00
CyprCkE - Weir: 1	3Yr1D	5.40	0.00	-0.10	1.60	1.60	1.60
CyprCkE - Pipe	5y1d	6.08	0.00	-0.12	0.00	0.00	0.00
CyprCkE - Weir: 1	5y1d	6.08	0.00	-0.10	1.66	1.66	1.66

Weir Link: D_F

Scenario:	Pumps	**Bottom Clip**	
From Node:	D	Default:	0.00 ft
To Node:	F	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	D_F	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_F	100y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_F	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
D_F	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: D_J2

Scenario:	Pumps	**Bottom Clip**	
From Node:	D	Default:	0.00 ft
To Node:	J2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.60 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	D_J2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_J2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: D_offsite

Scenario:	Pumps	**Bottom Clip**	
From Node:	D	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular		
Invert:	1.90 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	D_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite	100y3d	74.45	0.00	-0.09	2.28	2.28	2.28
D_offsite	10y1d	42.71	0.00	0.02	1.98	1.98	1.98
D_offsite	25y3d	58.17	0.00	-0.03	2.13	2.13	2.13
D_offsite	3Yr1D	27.41	0.00	-0.02	1.79	1.79	1.79
D_offsite	5y1d	34.99	0.00	-0.02	1.89	1.89	1.89

Pipe Link: D_offsite1		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.39 ft	Invert:	-0.39 ft
From Node:	D	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	163.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite1	100y3d	3.59	0.00	0.00	2.93	3.58	2.93
D_offsite1	10y1d	3.39	0.00	0.00	2.77	3.48	2.77

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite1	25y3d	3.50	0.00	0.00	2.85	3.48	2.85
D_offsite1	3Yr1D	3.26	0.00	0.00	2.66	3.48	2.66
D_offsite1	5y1d	3.33	0.00	0.00	2.71	3.48	2.71

Pipe Link: D_offsite2		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.83 ft	Invert:	-0.83 ft
From Node:	D	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.67 ft	Max Depth:	0.67 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite2	100y3d	1.90	-0.01	0.00	5.38	5.38	5.38
D_offsite2	10y1d	1.79	-0.01	0.00	5.08	5.08	5.08
D_offsite2	25y3d	1.85	-0.01	0.00	5.23	5.23	5.23
D_offsite2	3Yr1D	1.72	-0.01	0.00	4.88	4.88	4.88
D_offsite2	5y1d	1.76	-0.01	0.00	4.99	4.99	4.99

Weir Link: E1_E2			
Scenario:	Pumps	Bottom Clip	
From Node:	E1	Default:	0.00 ft
To Node:	E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	4.00 ft
Control Elevation:	0.00 ft
Cross Section:	E1_E2

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E2	100y3d	0.00	-16.03	0.02	-1.40	-1.40	-1.40
E1_E2	10y1d	0.00	-1.39	0.00	0.00	0.00	0.00
E1_E2	25y3d	0.00	-8.50	-0.01	0.00	0.00	0.00
E1_E2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E1_E2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E1_E3

Scenario:	Pumps
From Node:	E1
To Node:	E3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	7.20 ft
Control Elevation:	0.00 ft
Cross Section:	E1_E3

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E1_F-P		Upstream		Downstream	
Scenario:	Pumps	Invert:	0.73 ft	Invert:	0.73 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	F	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	61.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-P	100y3d	17.02	-28.01	0.16	-4.16	-6.61	-5.31
E1_F-P	10y1d	0.00	-26.61	0.08	-4.05	-6.48	-5.18
E1_F-P	25y3d	13.48	-27.21	0.12	-4.10	-6.54	-5.24
E1_F-P	3Yr1D	0.00	-26.02	0.08	-4.00	-6.42	-5.12
E1_F-P	5y1d	0.00	-26.32	0.08	-4.02	-6.45	-5.15

Weir Link: E1_F-W			
Scenario:	Pumps	Bottom Clip	
From Node:	E1	Default:	0.00 ft
To Node:	F	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	3.50 ft
Control Elevation:	0.00 ft
Cross Section:	E1_F

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-W	100y3d	33.56	-2.62	-0.05	2.06	2.06	2.06
E1_F-W	10y1d	0.00	-1.79	0.00	-0.93	-0.93	-0.93
E1_F-W	25y3d	17.92	-1.78	-0.02	1.67	1.67	1.67
E1_F-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E1_F-W	5y1d	0.00	-0.39	0.00	0.00	0.00	0.00

Weir Link: E1_offsite

Scenario:	Pumps
From Node:	E1
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.20 ft
Control Elevation:	0.00 ft
Cross Section:	E1_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite	100y3d	66.15	0.00	-0.10	2.02	2.02	2.02
E1_offsite	10y1d	6.61	0.00	0.01	1.62	1.62	1.62
E1_offsite	25y3d	31.58	0.00	-0.02	1.79	1.79	1.79
E1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite	5y1d	1.85	0.00	0.00	1.36	1.36	1.36

Pipe Link: E1_offsite1		Upstream		Downstream	
Scenario:	Pumps	Invert:	0.04 ft	Invert:	-1.65 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite1	100y3d	28.90	0.00	0.46	9.20	9.20	9.20
E1_offsite1	10y1d	26.46	0.00	-0.25	8.42	8.42	8.42
E1_offsite1	25y3d	27.98	0.00	0.33	8.91	8.91	8.91
E1_offsite1	3Yr1D	23.38	0.00	-0.12	7.44	7.44	7.44
E1_offsite1	5y1d	25.35	0.00	-0.20	8.07	8.07	8.07

Pipe Link: E1_offsite2		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.19 ft	Invert:	-2.62 ft
From Node:	E1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite2	100y3d	15.08	-0.01	-0.65	8.53	8.53	8.53
E1_offsite2	10y1d	13.81	-0.01	-0.42	7.81	7.81	7.81
E1_offsite2	25y3d	14.60	-0.01	-0.53	8.26	8.26	8.26
E1_offsite2	3Yr1D	12.20	-0.01	-0.30	6.90	6.90	6.90
E1_offsite2	5y1d	13.23	-0.01	-0.36	7.49	7.49	7.49

Pipe Link: E1_offsite3		Upstream		Downstream	
Scenario:	Pumps	Invert:	0.73 ft	Invert:	-4.02 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite3	100y3d	6.76	0.00	-0.42	8.61	12.64	8.98
E1_offsite3	10y1d	6.19	0.00	-0.12	7.88	7.88	7.88
E1_offsite3	25y3d	6.55	0.00	-0.28	8.33	8.33	8.33
E1_offsite3	3Yr1D	5.47	0.00	-0.03	6.96	6.96	6.96

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite3	5y1d	5.93	0.00	-0.06	7.55	7.55	7.55

Pipe Link: E1_offsite4		Upstream		Downstream	
Scenario:	Pumps	Invert:	0.20 ft	Invert:	-2.91 ft
From Node:	E1	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite4	100y3d	3.20	0.00	-0.01	4.07	4.07	4.07
E1_offsite4	10y1d	2.93	0.00	0.00	3.73	3.73	3.73
E1_offsite4	25y3d	3.09	0.00	-0.01	3.94	3.94	3.94
E1_offsite4	3Yr1D	2.59	0.00	0.00	3.29	3.29	3.29
E1_offsite4	5y1d	2.80	0.00	0.00	3.57	3.57	3.57

Pipe Link: E1_offsite5		Upstream		Downstream	
Scenario:	Pumps	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite5	100y3d	4.28	0.00	0.18	7.91	7.91	7.91
E1_offsite5	10y1d	3.92	0.00	-0.08	7.25	7.25	7.25
E1_offsite5	25y3d	4.15	0.00	0.12	7.66	7.66	7.66
E1_offsite5	3Yr1D	3.46	0.00	-0.03	6.40	6.40	6.40
E1_offsite5	5y1d	3.76	0.00	-0.05	6.94	6.94	6.94

Pipe Link: E1_offsite6		Upstream		Downstream	
Scenario:	Pumps	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite6	100y3d	1.19	0.00	-0.06	6.07	6.90	6.07
E1_offsite6	10y1d	1.09	0.00	-0.03	5.56	5.56	5.56
E1_offsite6	25y3d	1.15	0.00	-0.03	5.88	5.88	5.88
E1_offsite6	3Yr1D	0.96	0.00	-0.02	4.91	4.91	4.91

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite6	5y1d	1.05	0.00	-0.04	5.32	5.32	5.32

Pipe Link: E1_offsite7		Upstream		Downstream	
Scenario:	Pumps	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	44.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite7	100y3d	60.09	0.00	1.80	12.24	12.24	12.24
E1_offsite7	10y1d	55.02	0.00	-0.65	11.21	11.21	11.21
E1_offsite7	25y3d	58.18	0.00	1.31	11.85	11.85	11.85
E1_offsite7	3Yr1D	48.62	0.00	-1.13	9.90	9.90	9.90
E1_offsite7	5y1d	52.71	0.00	-0.87	10.74	10.74	10.74

Weir Link: E2_offsite			
Scenario:	Pumps	Bottom Clip	
From Node:	E2	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	

Control Elevation:	0.00 ft		
Cross Section:	E2_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite	100y3d	16.03	0.00	-0.02	1.40	1.40	1.40
E2_offsite	10y1d	1.39	0.00	0.00	0.97	0.97	0.97
E2_offsite	25y3d	8.50	0.00	0.01	1.25	1.25	1.25
E2_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E2_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E2_offsite1		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.20 ft	Invert:	-4.24 ft
From Node:	E2	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	136.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite1	100y3d	6.74	-0.01	0.22	8.58	8.94	8.58
E2_offsite1	10y1d	6.57	-0.01	-0.06	8.36	8.94	8.36
E2_offsite1	25y3d	6.67	-0.01	0.11	8.50	8.94	8.50
E2_offsite1	3Yr1D	5.96	-0.01	-0.04	7.59	8.94	7.59

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite1	5y1d	6.35	-0.01	-0.05	8.09	8.94	8.09

Pipe Link: E2_offsite2		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.20 ft	Invert:	-4.24 ft
From Node:	E2	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.66 ft	Max Depth:	0.66 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	116.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite2	100y3d	2.55	-0.01	-0.28	7.46	10.60	7.81
E2_offsite2	10y1d	2.49	-0.01	-0.28	7.27	10.60	7.81
E2_offsite2	25y3d	2.53	-0.01	-0.28	7.38	10.60	7.81
E2_offsite2	3Yr1D	2.26	-0.01	-0.28	6.60	10.60	7.81
E2_offsite2	5y1d	2.40	-0.01	-0.28	7.03	10.60	7.81

Rating Curve Link: E3PumpC

Scenario: Pumps
From Node: E3
To Node: Outfall North
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
E3Pump	1.50	E3	0.00	E3

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3PumpC	100y3d	50.00	0.00	24.61	0.00	0.00	0.00
E3PumpC	10y1d	50.00	0.00	24.61	0.00	0.00	0.00
E3PumpC	25y3d	50.00	0.00	-24.61	0.00	0.00	0.00
E3PumpC	3Yr1D	50.00	0.00	-24.61	0.00	0.00	0.00
E3PumpC	5y1d	50.00	0.00	-24.61	0.00	0.00	0.00

Weir Link: E3_E2

Scenario:	Pumps	**Bottom Clip**	
From Node:	E3	Default:	0.00 ft
To Node:	E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.20 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_E2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_E2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E3_F

Scenario:	Pumps	**Bottom Clip**	
From Node:	E3	Default:	0.00 ft
To Node:	F	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	

Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.90 ft
Control Elevation:	0.00 ft
Cross Section:	E3_F

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_F	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E3_G-P

Scenario:	Pumps
From Node:	E3
To Node:	G
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	82.00 ft
FHWA Code:	0
Entr Loss Coef:	0.50
Exit Loss Coef:	0.50
Bend Loss Coef:	0.00
Bend Location:	0.00 ft
Energy Switch:	Energy

Upstream		Downstream	
Invert:	-0.72 ft	Invert:	-0.72 ft
Manning's N:	0.0130	Manning's N:	0.0130
Geometry: Circular		Geometry: Circular	
Max Depth:	1.25 ft	Max Depth:	1.25 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_G-P	100y3d	4.08	-7.92	-1.11	-6.45	-6.45	-6.45
E3_G-P	10y1d	4.08	-7.88	-1.09	-6.42	-6.42	-6.42
E3_G-P	25y3d	4.08	-7.90	-1.09	-6.44	-6.44	-6.44
E3_G-P	3Yr1D	4.08	-8.54	-1.23	-6.96	-7.17	-7.00
E3_G-P	5y1d	4.08	-7.86	-1.13	-6.41	-6.63	-6.42

Weir Link: E3_G-W

Scenario:	Pumps	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	G	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_G	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_G-W	100y3d	0.00	-93.31	-0.05	-1.76	-1.76	-1.76
E3_G-W	10y1d	0.00	-56.57	-0.04	-1.63	-1.63	-1.63
E3_G-W	25y3d	0.00	-72.86	-0.04	-1.74	-1.74	-1.74
E3_G-W	3Yr1D	0.00	-34.60	-0.04	0.00	0.00	0.00
E3_G-W	5y1d	0.00	-45.45	-0.04	-1.54	-1.54	-1.54

Weir Link: E3_H

Scenario:	Pumps	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	H	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	3.40 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	E3_H	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_H	100y3d	0.00	-80.80	0.05	-2.64	-2.64	-2.64
E3_H	10y1d	0.00	-61.02	-0.02	-2.55	-2.55	-2.55
E3_H	25y3d	0.00	-74.61	-0.03	-2.62	-2.62	-2.62
E3_H	3Yr1D	0.00	-47.60	-0.01	-2.46	-2.46	-2.46
E3_H	5y1d	0.00	-54.34	-0.02	-2.51	-2.51	-2.51

Weir Link: E3_J3

Scenario:	Pumps	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.40 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E3_offsite

Scenario:	Pumps	**Bottom Clip**	
From Node:	E3	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite	100y3d	54.81	0.00	0.04	1.79	1.79	1.79
E3_offsite	10y1d	5.88	0.00	0.00	1.40	1.40	1.40
E3_offsite	25y3d	25.67	0.00	0.02	1.64	1.64	1.64
E3_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_offsite	5y1d	1.77	0.00	0.00	1.15	1.15	1.15

Pipe Link: E3_offsite2

		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.83 ft	Invert:	-2.48 ft
From Node:	E3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	None	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	114.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_offsite2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_offsite2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_offsite2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_offsite2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: F_J2

Scenario:	Pumps	Bottom Clip	
From Node:	F	Default:	0.00 ft
To Node:	J2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.70 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	F_J2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J2	100y3d	0.00	-73.08	0.03	0.00	0.00	0.00
F_J2	10y1d	0.00	-36.43	-0.02	0.00	0.00	0.00
F_J2	25y3d	0.00	-54.11	-0.02	0.00	0.00	0.00
F_J2	3Yr1D	0.00	-23.04	-0.01	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J2	5y1d	0.00	-29.47	-0.02	0.00	0.00	0.00

Weir Link: F_J3

Scenario:	Pumps
From Node:	F
To Node:	J3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	6.70 ft
Control Elevation:	0.00 ft
Cross Section:	F_J3

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: F_offsite-P

Scenario:	Pumps
From Node:	F
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	21.00 ft
FHWA Code:	0
Entr Loss Coef:	0.50
Exit Loss Coef:	0.50

Upstream		Downstream	
Invert:	0.13 ft	Invert:	0.13 ft
Manning's N:	0.0130	Manning's N:	0.0130
Geometry: Circular		Geometry: Circular	
Max Depth:	1.50 ft	Max Depth:	1.50 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_offsite-P	100y3d	19.06	0.00	-0.05	10.79	11.06	10.92
F_offsite-P	10y1d	17.44	0.00	-0.05	9.87	10.12	9.99
F_offsite-P	25y3d	18.47	0.00	-0.05	10.45	10.71	10.58
F_offsite-P	3Yr1D	16.26	0.00	-0.05	9.20	9.43	9.31
F_offsite-P	5y1d	16.91	0.00	-0.05	9.57	9.81	9.69

Weir Link: F_offsite-W

Scenario:	Pumps	Bottom Clip	
From Node:	F	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.10 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	F_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_offsite-W	100y3d	182.50	0.00	-0.13	2.46	2.46	2.46
F_offsite-W	10y1d	59.25	0.00	0.06	1.84	1.84	1.84
F_offsite-W	25y3d	128.40	0.00	0.09	2.23	2.23	2.23
F_offsite-W	3Yr1D	13.60	0.00	0.03	1.27	1.27	1.27
F_offsite-W	5y1d	34.65	0.00	0.05	1.60	1.60	1.60

Weir Link: G_J3

Scenario:	Pumps
From Node:	G
To Node:	J3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	6.50 ft
Control Elevation:	0.00 ft
Cross Section:	G_J3

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
G_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: H_G

Scenario:	Pumps
From Node:	H
To Node:	G
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.80 ft
Control Elevation:	0.00 ft
Cross Section:	H_G

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_G	100y3d	60.78	0.00	-0.05	2.17	2.17	2.17
H_G	10y1d	34.77	0.00	0.02	2.03	2.03	2.03
H_G	25y3d	49.70	0.00	0.02	2.14	2.14	2.14
H_G	3Yr1D	23.33	0.00	0.01	1.86	1.86	1.86
H_G	5y1d	29.02	0.00	0.01	1.96	1.96	1.96

Weir Link: H_I

Scenario:	Pumps	Bottom Clip	
From Node:	H	Default:	0.00 ft
To Node:	I	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.80 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	H_I	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_I	100y3d	69.79	0.00	0.02	2.34	2.34	2.34
H_I	10y1d	33.99	0.00	0.01	2.17	2.17	2.17
H_I	25y3d	48.82	0.00	0.02	2.30	2.30	2.30
H_I	3Yr1D	24.01	0.00	0.01	2.01	2.01	2.01
H_I	5y1d	29.02	0.00	0.01	2.10	2.10	2.10

Weir Link: H_J3

Scenario:	Pumps	Bottom Clip	
From Node:	H	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.90 ft
Control Elevation:	0.00 ft
Cross Section:	H_J3

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_J3	100y3d	0.00	-163.74	0.09	-3.11	-3.11	-3.11
H_J3	10y1d	0.00	-103.51	-0.04	-2.74	-2.74	-2.74
H_J3	25y3d	0.00	-135.17	-0.05	-2.95	-2.95	-2.95
H_J3	3Yr1D	0.00	-77.86	-0.02	-2.56	-2.56	-2.56
H_J3	5y1d	0.00	-90.75	-0.03	-2.65	-2.65	-2.65

Weir Link: I_E3

Scenario:	Pumps
From Node:	I
To Node:	E3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.00 ft
Control Elevation:	0.00 ft
Cross Section:	I_E3

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_E3	100y3d	4.16	-110.93	-0.05	-3.52	-3.52	-3.52

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_E3	10y1d	5.79	-68.93	-0.08	-3.01	-3.01	-3.01
I_E3	25y3d	5.45	-93.49	-0.12	-3.32	-3.32	-3.32
I_E3	3Yr1D	5.67	-37.86	-0.16	-2.47	-2.47	-2.47
I_E3	5y1d	5.78	-54.84	-0.10	-2.79	-2.79	-2.79

Weir Link: I_J3

Scenario:	Pumps	**Bottom Clip**	
From Node:	I	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.70 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	I_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: I_offsite

Scenario:	Pumps	**Bottom Clip**	
From Node:	I	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	3.00 ft
Control Elevation:	0.00 ft
Cross Section:	I_offsite

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_offsite	100y3d	212.67	0.00	0.09	2.23	2.23	2.23
I_offsite	10y1d	115.59	0.00	0.07	1.93	1.93	1.93
I_offsite	25y3d	165.61	0.00	0.08	2.09	2.09	2.09
I_offsite	3Yr1D	68.55	0.00	0.07	1.72	1.72	1.72
I_offsite	5y1d	92.99	0.00	0.07	1.84	1.84	1.84

Weir Link: J1_J2

Scenario:	Pumps
From Node:	J1
To Node:	J2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	7.20 ft
Control Elevation:	0.00 ft
Cross Section:	J1_J2

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_J2	100y3d	1.92	0.00	0.00	0.78	0.78	0.78
J1_J2	10y1d	0.01	0.00	0.00	0.00	0.00	0.00
J1_J2	25y3d	0.60	0.00	0.00	0.57	0.57	0.57

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_J2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J1_J2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: J1_offsite

Scenario:	Pumps	Bottom Clip	
From Node:	J1	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.70 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J1_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_offsite	100y3d	62.49	0.00	-0.08	1.68	1.68	1.68
J1_offsite	10y1d	34.57	0.00	0.01	1.53	1.53	1.53
J1_offsite	25y3d	49.82	0.00	-0.03	1.61	1.61	1.61
J1_offsite	3Yr1D	22.09	0.00	-0.01	1.44	1.44	1.44
J1_offsite	5y1d	28.22	0.00	0.01	1.49	1.49	1.49

Weir Link: J2_J3

Scenario:	Pumps	Bottom Clip	
From Node:	J2	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.30 ft	Discharge Coefficients	

Control Elevation:	0.00 ft		
Cross Section:	J2_J3	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J2_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: J2_offsite

Scenario:	Pumps	Bottom Clip	
From Node:	J2	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.60 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J2_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J2_offsite	100y3d	65.49	0.00	0.03	2.75	2.75	2.75
J2_offsite	10y1d	42.19	0.00	0.02	2.43	2.43	2.43
J2_offsite	25y3d	54.90	0.00	0.02	2.62	2.62	2.62
J2_offsite	3Yr1D	29.79	0.00	0.01	2.23	2.23	2.23
J2_offsite	5y1d	36.11	0.00	0.02	2.34	2.34	2.34

Pipe Link: J3_K		Upstream		Downstream	
Scenario:	Pumps	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	J3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	K	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	517.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_K	100y3d	0.00	-28.99	0.35	-5.91	-5.91	-5.91
J3_K	10y1d	0.00	-29.21	0.35	-5.95	-5.95	-5.95
J3_K	25y3d	0.00	-29.05	0.35	-5.92	-5.92	-5.92
J3_K	3Yr1D	0.00	-29.24	0.35	-5.96	-5.96	-5.96
J3_K	5y1d	0.00	-29.30	0.35	-5.97	-5.97	-5.97

Weir Link: J3_offsite			
Scenario:	Pumps	Bottom Clip	
From Node:	J3	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J3_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_offsite	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: K_M

Scenario:	Pumps	Bottom Clip	
From Node:	K	Default:	0.00 ft
To Node:	M	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.20 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	K_M	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_M	100y3d	13.15	0.00	-0.02	1.42	1.42	1.42
K_M	10y1d	4.37	0.00	0.01	1.06	1.06	1.06
K_M	25y3d	9.44	0.00	0.01	1.29	1.29	1.29
K_M	3Yr1D	0.01	0.00	0.00	0.00	0.00	0.00
K_M	5y1d	1.98	0.00	0.01	0.87	0.87	0.87

Weir Link: K_N

Scenario:	Pumps	Bottom Clip	
From Node:	K	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	8.30 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	K_N	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_N	100y3d	5.96	0.00	-0.01	1.06	1.06	1.06
K_N	10y1d	0.61	0.00	0.00	0.63	0.63	0.63
K_N	25y3d	3.14	0.00	0.01	0.91	0.91	0.91
K_N	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
K_N	5y1d	0.04	0.00	0.00	0.00	0.00	0.00

Weir Link: K_O

Scenario:	Pumps	Bottom Clip	
From Node:	K	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	10.20 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	K_O	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
K_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: K_offsite

Scenario:	Pumps
From Node:	K
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	7.80 ft
Control Elevation:	0.00 ft
Cross Section:	K_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_offsite	100y3d	91.84	0.00	-0.13	1.50	1.50	1.50
K_offsite	10y1d	37.72	0.00	0.07	1.35	1.35	1.35
K_offsite	25y3d	67.78	0.00	0.08	1.43	1.43	1.43
K_offsite	3Yr1D	9.52	0.00	0.01	1.28	1.28	1.28
K_offsite	5y1d	23.95	0.00	0.04	1.31	1.31	1.31

Rating Curve Link: LPumpC

Scenario:	Pumps
From Node:	L
To Node:	Outfall South
Link Count:	2
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
LPump	1.50	L	0.00	L

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LPumpC	100y3d	80.00	0.00	-39.38	0.00	0.00	0.00
LPumpC	10y1d	80.00	0.00	-39.38	0.00	0.00	0.00
LPumpC	25y3d	80.00	0.00	-39.38	0.00	0.00	0.00
LPumpC	3Yr1D	80.00	0.00	-39.38	0.00	0.00	0.00
LPumpC	5y1d	80.00	0.00	39.38	0.00	0.00	0.00

Weir Link: L_M-W

Scenario:	Pumps	**Bottom Clip**	
From Node:	L	Default:	0.00 ft
To Node:	M	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.40 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	L_M	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_M-W	100y3d	0.00	-180.60	-0.14	0.00	0.00	0.00
L_M-W	10y1d	0.00	-62.68	-0.09	0.00	0.00	0.00
L_M-W	25y3d	0.00	-125.68	-0.10	0.00	0.00	0.00
L_M-W	3Yr1D	0.00	-15.79	0.00	0.00	0.00	0.00
L_M-W	5y1d	0.00	-36.78	-0.02	0.00	0.00	0.00

Weir Link: L_W

Scenario:	Pumps
From Node:	L
To Node:	W
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.30 ft
Control Elevation:	0.00 ft
Cross Section:	L_W

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_W	100y3d	10.95	-113.30	0.15	-1.98	-1.98	-1.98
L_W	10y1d	8.75	-42.85	0.04	-1.69	-1.69	-1.69
L_W	25y3d	10.93	-87.70	0.12	-1.89	-1.89	-1.89
L_W	3Yr1D	0.00	-15.02	-0.02	0.00	0.00	0.00
L_W	5y1d	5.64	-27.95	-0.02	-1.62	-1.62	-1.62

Weir Link: L_offsite

Scenario:	Pumps
From Node:	L
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.60 ft
Control Elevation:	0.00 ft
Cross Section:	L_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite	100y3d	199.95	0.00	0.25	2.36	2.36	2.36
L_offsite	10y1d	20.41	0.00	0.01	1.48	1.48	1.48
L_offsite	25y3d	105.93	0.00	0.06	2.17	2.17	2.17
L_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite	5y1d	1.16	0.00	0.00	0.73	0.73	0.73

Pipe Link: L_offsite1		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.53 ft	Invert:	-1.41 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1075.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite1	100y3d	12.98	-2.54	0.16	4.13	4.13	4.13
L_offsite1	10y1d	11.80	-3.33	0.16	3.76	-3.83	3.76
L_offsite1	25y3d	12.56	-2.88	0.13	4.00	4.00	4.00
L_offsite1	3Yr1D	10.32	-2.79	0.10	3.28	3.66	3.28
L_offsite1	5y1d	11.14	-3.25	0.12	3.55	3.66	3.55

Pipe Link: L_offsite2		Upstream		Downstream	
Scenario:	Pumps	Invert:	-1.64 ft	Invert:	-2.24 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	None	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	199.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: L_offsite3		Upstream		Downstream	
Scenario:	Pumps	Invert:	-1.43 ft	Invert:	-2.27 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	183.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite3	100y3d	13.28	0.00	0.15	7.52	7.52	7.52
L_offsite3	10y1d	12.07	0.00	0.15	6.83	6.83	6.83
L_offsite3	25y3d	12.85	0.00	0.16	7.27	7.27	7.27
L_offsite3	3Yr1D	10.56	0.00	0.12	5.97	5.97	5.97
L_offsite3	5y1d	11.40	0.00	0.14	6.45	6.45	6.45

Pipe Link: L_offsite5		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.57 ft	Invert:	-2.20 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	None	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	663.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite5	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite5	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite5	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite5	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite5	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: L_offsite7		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.67 ft	Invert:	-1.41 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	160.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite7	100y3d	20.49	-3.79	0.35	8.52	8.52	8.52
L_offsite7	10y1d	18.63	-5.41	0.24	7.74	7.74	7.74
L_offsite7	25y3d	19.83	-4.49	0.31	8.24	8.24	8.24
L_offsite7	3Yr1D	16.29	-4.60	0.20	6.77	6.77	6.77
L_offsite7	5y1d	17.59	-5.41	0.22	7.31	7.31	7.31

Pipe Link: L_offsite8		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.99 ft	Invert:	-1.64 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	165.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite8	100y3d	4.95	-1.82	0.09	6.30	6.30	6.30
L_offsite8	10y1d	4.50	-2.39	0.06	5.73	5.73	5.73
L_offsite8	25y3d	4.79	-2.14	0.08	6.10	6.10	6.10
L_offsite8	3Yr1D	3.94	-2.08	0.05	5.01	5.01	5.01
L_offsite8	5y1d	4.25	-1.97	0.06	5.41	5.41	5.41

Pipe Link: L_offsite9		Upstream		Downstream	
Scenario:	Pumps	Invert:	-2.89 ft	Invert:	-1.89 ft
From Node:	L	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.67 ft	Max Depth:	0.67 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of L_offsite1/2/3/4/5/6/7/8
N is for clay

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite9	100y3d	1.75	-0.63	0.03	4.96	4.96	4.96
L_offsite9	10y1d	1.59	-0.83	0.02	4.50	4.50	4.50
L_offsite9	25y3d	1.69	-0.74	0.03	4.79	4.79	4.79
L_offsite9	3Yr1D	1.39	-0.72	0.02	3.94	3.94	3.94
L_offsite9	5y1d	1.50	-0.68	0.02	4.25	4.25	4.25

Pipe Link: M_N-P		Upstream		Downstream	
Scenario:	Pumps	Invert:	-5.00 ft	Invert:	-5.00 ft
From Node:	M	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	132.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_N-P	100y3d	14.45	-9.45	0.84	8.18	8.18	8.18
M_N-P	10y1d	13.08	-7.53	0.84	7.40	7.40	7.40
M_N-P	25y3d	13.34	-7.66	0.84	7.55	7.55	7.55
M_N-P	3Yr1D	13.31	-9.27	0.84	7.53	7.53	7.53
M_N-P	5y1d	13.17	-8.56	0.84	7.45	7.45	7.45

Weir Link: M_N-W

Scenario:	Pumps	Bottom Clip	
From Node:	M	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.60 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	M_N	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_N-W	100y3d	0.00	-25.30	-0.14	0.00	0.00	0.00
M_N-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: M_W

Scenario:	Pumps	**Bottom Clip**	
From Node:	M	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.20 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	M_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_W	100y3d	6.00	0.00	0.01	1.72	1.72	1.72
M_W	10y1d	0.39	0.00	0.00	0.87	0.87	0.87
M_W	25y3d	3.00	0.00	0.00	1.48	1.48	1.48
M_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: M_offsite-W

Scenario:	Pumps	**Bottom Clip**	
From Node:	M	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	6.10 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	M_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_offsite-W	100y3d	13.50	0.00	0.01	1.89	1.89	1.89
M_offsite-W	10y1d	1.72	0.00	0.00	1.14	1.14	1.14
M_offsite-W	25y3d	7.86	0.00	0.01	1.66	1.66	1.66
M_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_offsite-W	5y1d	0.11	0.00	0.00	0.53	0.53	0.53

Weir Link: N_O

Scenario:	Pumps	Bottom Clip	
From Node:	N	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	N_O	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
N_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: N_O1		Upstream		Downstream	
Scenario:	Pumps	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	41.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O1	100y3d	8.64	-6.23	0.20	7.04	7.04	7.04
N_O1	10y1d	8.64	-2.07	0.20	7.04	7.04	7.04
N_O1	25y3d	8.64	-5.03	0.20	7.04	7.04	7.04
N_O1	3Yr1D	8.64	-0.30	0.20	7.04	7.04	7.04
N_O1	5y1d	8.64	-1.06	0.20	7.04	7.04	7.04

Pipe Link: N_O2		Upstream		Downstream	
Scenario:	Pumps	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O2	100y3d	11.86	-8.56	0.27	6.71	6.71	6.71
N_O2	10y1d	11.86	-2.84	0.27	6.71	6.71	6.71
N_O2	25y3d	11.86	-6.90	0.27	6.71	6.71	6.71
N_O2	3Yr1D	11.86	-0.42	0.27	6.71	6.71	6.71
N_O2	5y1d	11.86	-1.45	0.27	6.71	6.71	6.71

Pipe Link: N_O3		Upstream		Downstream	
Scenario:	Pumps	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O3	100y3d	23.48	-16.94	0.54	7.48	7.48	7.48
N_O3	10y1d	23.48	-5.62	0.54	7.48	7.48	7.48

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O3	25y3d	23.48	-13.66	0.54	7.48	7.48	7.48
N_O3	3Yr1D	23.48	-0.82	0.54	7.48	7.48	7.48
N_O3	5y1d	23.48	-2.88	0.54	7.48	7.48	7.48

Pipe Link: N_W-P		Upstream		Downstream	
Scenario:	Pumps	Invert:	-5.59 ft	Invert:	-5.59 ft
From Node:	N	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	177.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-P	100y3d	59.32	-0.20	1.93	8.39	8.39	8.39
N_W-P	10y1d	59.32	-0.21	1.93	8.39	8.39	8.39
N_W-P	25y3d	59.32	-0.23	1.93	8.39	8.39	8.39
N_W-P	3Yr1D	59.32	-0.27	1.93	8.39	8.39	8.39
N_W-P	5y1d	59.32	-0.24	1.93	8.39	8.39	8.39

Weir Link: N_W-W			
Scenario:	Pumps	Bottom Clip	
From Node:	N	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	9.40 ft
Control Elevation:	0.00 ft
Cross Section:	N_W

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: O_offsite

Scenario:	Pumps
From Node:	O
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.00 ft
Control Elevation:	0.00 ft
Cross Section:	O_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
O_offsite	100y3d	79.55	0.00	0.05	3.82	3.82	3.82
O_offsite	10y1d	26.91	0.00	0.02	2.83	2.83	2.83
O_offsite	25y3d	57.03	0.00	0.03	3.45	3.45	3.45

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
O_offsite	3Yr1D	6.12	0.00	0.00	2.03	2.03	2.03
O_offsite	5y1d	16.01	0.00	0.01	2.64	2.64	2.64

Rating Curve Link: P1PumpC

Scenario: Pumps
From Node: P1
To Node: Outfall South
Link Count: 1
Flow Direction: None

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
P1Pump	99.00	P1	0.00	P1

Comment: Turned off, not needed

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1PumpC	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
P1PumpC	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P1PumpC	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
P1PumpC	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1PumpC	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_P2

Scenario: Pumps
From Node: P1
To Node: P2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 4.90 ft
Control Elevation: 0.00 ft
Cross Section: P1_P2

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_P2	100y3d	0.00	-7.03	-0.01	0.00	0.00	0.00
P1_P2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P1_P2	25y3d	0.00	-2.66	0.00	0.00	0.00	0.00
P1_P2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_P2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_P3

Scenario:	Pumps	**Bottom Clip**	
From Node:	P1	Default:	0.00 ft
To Node:	P3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.40 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P1_P3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_P3	100y3d	3.27	0.00	0.01	1.23	1.23	1.23
P1_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P1_P3	25y3d	0.02	0.00	0.00	0.00	0.00	0.00
P1_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_W

Scenario:	Pumps	**Bottom Clip**	
From Node:	P1	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	3.30 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	P1_W	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_W	100y3d	77.08	-1.94	-0.10	1.34	1.34	1.34
P1_W	10y1d	39.62	-2.14	-0.03	1.40	1.40	1.40
P1_W	25y3d	66.07	0.00	-0.09	1.43	1.43	1.43
P1_W	3Yr1D	22.70	0.00	0.02	1.36	1.36	1.36
P1_W	5y1d	30.00	-2.53	0.02	1.39	1.39	1.39

Weir Link: P1_offsite

Scenario:	Pumps	Bottom Clip	
From Node:	P1	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.10 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P1_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite	100y3d	14.72	0.00	0.02	1.52	1.52	1.52

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P1_offsite	25y3d	2.97	0.00	0.00	1.37	1.37	1.37
P1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P1_offsite2		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.57 ft	Invert:	-2.40 ft
From Node:	P1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P1_offsite1/2, n = 0.012, size = 18"

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite2	100y3d	15.72	-0.01	-2.40	8.89	8.89	8.89
P1_offsite2	10y1d	14.27	-0.01	-2.40	8.07	8.64	8.07
P1_offsite2	25y3d	15.21	-0.01	-2.40	8.61	8.64	8.61
P1_offsite2	3Yr1D	13.46	-0.01	-2.40	7.62	8.64	7.62
P1_offsite2	5y1d	13.74	-0.01	-2.40	7.78	8.64	7.78

Pipe Link: P1_offsite3		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.57 ft	Invert:	-2.40 ft
From Node:	P1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	130.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P1_offsite1/2

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite3	100y3d	1.26	0.00	-0.04	6.44	6.44	6.44
P1_offsite3	10y1d	1.15	0.00	-0.05	5.84	5.84	5.84
P1_offsite3	25y3d	1.22	0.00	-0.04	6.23	6.23	6.23
P1_offsite3	3Yr1D	1.08	0.00	-0.04	5.51	5.51	5.51
P1_offsite3	5y1d	1.11	0.00	-0.04	5.63	5.63	5.63

Weir Link: P2_P3

Scenario:	Pumps	Bottom Clip	
From Node:	P2	Default:	0.00 ft
To Node:	P3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P2_P3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_P3	100y3d	4.54	0.00	0.00	1.27	1.27	1.27
P2_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_P3	25y3d	1.84	0.00	0.00	1.01	1.01	1.01
P2_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P2_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P2_offsite-P		Upstream		Downstream	
Scenario:	Pumps	Invert:	1.23 ft	Invert:	1.23 ft
From Node:	P2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	127.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_offsite-P	100y3d	5.33	0.00	0.00	6.79	6.99	6.89
P2_offsite-P	10y1d	5.00	0.00	0.00	6.37	6.63	6.50
P2_offsite-P	25y3d	5.24	0.00	0.00	6.68	6.89	6.78
P2_offsite-P	3Yr1D	4.44	0.00	0.00	5.65	6.05	5.85
P2_offsite-P	5y1d	4.79	0.00	0.00	6.09	6.40	6.25

Weir Link: P2_offsite-W			
Scenario:	Pumps	Bottom Clip	
From Node:	P2	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	4.90 ft
Control Elevation:	0.00 ft
Cross Section:	P2_offsite

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_offsite-W	100y3d	2.38	0.00	0.00	1.28	1.28	1.28
P2_offsite-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P2_offsite-W	25y3d	1.03	0.00	0.00	1.09	1.09	1.09
P2_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P2_offsite-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P3_Q

Scenario:	Pumps
From Node:	P3
To Node:	Q
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.20 ft
Control Elevation:	0.00 ft
Cross Section:	P3_Q

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q	100y3d	0.00	-23.12	0.04	0.00	0.00	0.00
P3_Q	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P3_Q	25y3d	0.00	-9.66	0.02	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P3_Q	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P3_Q1		Upstream		Downstream	
Scenario:	Pumps	Invert:	-1.80 ft	Invert:	-1.80 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Q	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	369.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q1	100y3d	0.02	-47.13	0.93	-6.67	-6.67	-6.67
P3_Q1	10y1d	0.02	-36.09	0.93	-5.11	-5.11	-5.11
P3_Q1	25y3d	0.02	-44.00	0.93	-6.22	-6.22	-6.22
P3_Q1	3Yr1D	0.02	-36.09	0.93	-5.11	-5.11	-5.11
P3_Q1	5y1d	0.02	-36.09	0.93	-5.11	-5.11	-5.11

Pipe Link: P3_Q2		Upstream		Downstream	
Scenario:	Pumps	Invert:	-3.05 ft	Invert:	-3.05 ft
From Node:	P3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Q	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q2	100y3d	0.01	-17.23	0.34	-9.75	-9.75	-9.75
P3_Q2	10y1d	0.01	-13.20	0.34	-7.47	-7.47	-7.47
P3_Q2	25y3d	0.01	-16.09	0.34	-9.10	-9.10	-9.10
P3_Q2	3Yr1D	0.01	-13.20	0.34	-7.47	-7.47	-7.47
P3_Q2	5y1d	0.01	-13.20	0.34	-7.47	-7.47	-7.47

Weir Link: P3_W

Scenario:	Pumps	Bottom Clip	
From Node:	P3	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.70 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P3_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P3_offsite

Scenario:	Pumps
From Node:	P3
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	2.90 ft
Control Elevation:	0.00 ft
Cross Section:	P3_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite	100y3d	136.43	0.00	-0.13	2.44	2.44	2.44
P3_offsite	10y1d	65.01	0.00	0.03	1.95	1.95	1.95
P3_offsite	25y3d	101.48	0.00	-0.05	2.23	2.23	2.23
P3_offsite	3Yr1D	33.48	0.00	-0.03	1.62	1.62	1.62
P3_offsite	5y1d	49.40	0.00	-0.03	1.81	1.81	1.81

Pipe Link: P3_offsite1

Scenario:	Pumps
From Node:	P3
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	285.00 ft
FHWA Code:	0
Entr Loss Coef:	0.50
Exit Loss Coef:	0.50

Upstream

Invert:	0.02 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	1.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Downstream

Invert:	-3.86 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	1.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite1	100y3d	3.53	0.00	-0.19	4.60	4.49	4.49
P3_offsite1	10y1d	3.53	0.00	-0.19	4.60	4.49	4.49
P3_offsite1	25y3d	3.53	0.00	-0.19	4.60	4.49	4.49
P3_offsite1	3Yr1D	3.53	0.00	-0.19	4.60	4.49	4.49
P3_offsite1	5y1d	3.53	0.00	-0.19	4.60	4.49	4.49

Pipe Link: P3_offsite2		Upstream		Downstream	
Scenario:	Pumps	Invert:	-1.20 ft	Invert:	-5.27 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite2	100y3d	11.93	-0.05	-0.04	9.72	9.72	9.72
P3_offsite2	10y1d	11.93	-0.05	-0.04	9.72	9.72	9.72
P3_offsite2	25y3d	11.93	-0.05	-0.04	9.72	9.72	9.72
P3_offsite2	3Yr1D	11.93	-0.05	-0.04	9.72	9.72	9.72
P3_offsite2	5y1d	11.93	-0.05	-0.04	9.72	9.72	9.72

Pipe Link: P3_offsite3		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.59 ft	Invert:	-4.57 ft
From Node:	P3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P3_offsite1/2, n = 0.012, size = 18"

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite3	100y3d	18.59	-0.02	-3.02	10.52	20.49	14.28
P3_offsite3	10y1d	18.59	-0.02	-3.02	10.52	20.49	14.28
P3_offsite3	25y3d	18.59	-0.02	-3.02	10.52	20.49	14.28
P3_offsite3	3Yr1D	18.59	-0.02	-3.02	10.52	20.49	14.28
P3_offsite3	5y1d	18.59	-0.02	-3.02	10.52	20.49	14.28

Rating Curve Link: P4PumpC

Scenario: Pumps
From Node: P4
To Node: Outfall South
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
P4Pump	1.50	P4	0.00	P4

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4PumpC	100y3d	32.00	0.00	16.00	0.00	0.00	0.00
P4PumpC	10y1d	32.00	0.00	-16.00	0.00	0.00	0.00
P4PumpC	25y3d	32.00	0.00	-16.00	0.00	0.00	0.00
P4PumpC	3Yr1D	32.00	0.00	16.00	0.00	0.00	0.00
P4PumpC	5y1d	32.00	0.00	16.00	0.00	0.00	0.00

Weir Link: P4_R-W

Scenario:	Pumps	Bottom Clip	
From Node:	P4	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.54 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P4_R	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_R-W	100y3d	7.94	-38.01	0.04	-1.92	-1.92	-1.92
P4_R-W	10y1d	0.00	-8.24	-0.01	0.00	0.00	0.00
P4_R-W	25y3d	2.85	-23.38	0.08	-1.82	-1.82	-1.82
P4_R-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P4_R-W	5y1d	0.00	-2.40	-0.01	0.00	0.00	0.00

Weir Link: P4_U1-W

Scenario:	Pumps	Bottom Clip	
From Node:	P4	Default:	0.00 ft
To Node:	U1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	3.86 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	P4_U1	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_U1-W	100y3d	2.04	-6.61	0.01	-1.40	-1.40	-1.40
P4_U1-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P4_U1-W	25y3d	0.00	-1.07	0.00	0.00	0.00	0.00
P4_U1-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P4_U1-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P4_offsite

Scenario:	Pumps	Bottom Clip	
From Node:	P4	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P4_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite	100y3d	11.15	0.00	0.02	1.66	1.66	1.66
P4_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite	25y3d	1.86	0.00	0.00	1.24	1.24	1.24
P4_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P4_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: Q_R

Scenario:	Pumps	**Bottom Clip**	
From Node:	Q	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.10 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	Q_R	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_R	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: Q_S

Scenario:	Pumps	**Bottom Clip**	
From Node:	Q	Default:	0.00 ft
To Node:	S	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	6.60 ft
Control Elevation:	0.00 ft
Cross Section:	Q_S

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_S	100y3d	0.00	-53.73	0.07	0.00	0.00	0.00
Q_S	10y1d	0.00	-0.63	0.00	0.00	0.00	0.00
Q_S	25y3d	0.00	-23.54	-0.03	0.00	0.00	0.00
Q_S	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_S	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: Q_W

Scenario:	Pumps
From Node:	Q
To Node:	W
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.30 ft
Control Elevation:	0.00 ft
Cross Section:	Q_W

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_W	100y3d	36.74	0.00	-0.06	2.53	2.53	2.53
Q_W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
Q_W	25y3d	12.59	0.00	-0.02	1.96	1.96	1.96
Q_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: R_P3

Scenario:	Pumps	**Bottom Clip**	
From Node:	R	Default:	0.00 ft
To Node:	P3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	R_P3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_P3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: R_U3

Scenario:	Pumps	**Bottom Clip**	
From Node:	R	Default:	0.00 ft
To Node:	U3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.24 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800

Cross Section: R_U3

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_U3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: R_U3-P		Upstream		Downstream	
Scenario:	Pumps	Invert:	-1.12 ft	Invert:	-1.12 ft
From Node:	R	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	U3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	284.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_U3-P	100y3d	7.32	-1.16	-0.21	4.14	4.14	4.14
R_U3-P	10y1d	6.66	-0.67	-0.21	3.77	3.77	3.77
R_U3-P	25y3d	6.29	-0.65	-0.21	3.56	3.56	3.56
R_U3-P	3Yr1D	6.07	-0.63	-0.21	3.43	3.43	3.43
R_U3-P	5y1d	6.63	-0.63	-0.21	3.75	3.75	3.75

Weir Link: R_offsite			
Scenario:	Pumps	**Bottom Clip**	
From Node:	R	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.06 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	R_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite	100y3d	2.87	0.00	-0.01	0.91	0.91	0.91
R_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_offsite	25y3d	0.11	0.00	0.00	0.00	0.00	0.00
R_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: R_offsite1		Upstream		Downstream	
Scenario:	Pumps	Invert:	0.00 ft	Invert:	-2.33 ft
From Node:	R	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	138.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite1	100y3d	14.45	0.00	-0.12	8.18	8.90	8.18
R_offsite1	10y1d	13.68	0.00	-0.12	7.74	8.90	7.74
R_offsite1	25y3d	14.15	0.00	-0.12	8.01	8.90	8.01
R_offsite1	3Yr1D	12.61	0.00	-0.12	7.14	8.90	7.34
R_offsite1	5y1d	13.32	0.00	-0.12	7.54	8.90	7.54

Pipe Link: R_offsite2		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.16 ft	Invert:	-2.96 ft
From Node:	R	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P4_offsite1/2/3, n = 0.012, size = 18"

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite2	100y3d	9.28	-0.01	-1.57	7.56	9.99	8.25
R_offsite2	10y1d	8.89	-0.01	-1.57	7.25	9.99	8.25
R_offsite2	25y3d	9.09	-0.01	-1.57	7.41	9.99	8.25
R_offsite2	3Yr1D	8.89	-0.01	-1.57	7.25	9.99	8.25
R_offsite2	5y1d	8.89	-0.01	-1.57	7.25	9.99	8.25

Weir Link: S_N			
Scenario:	Pumps	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	9.50 ft
Control Elevation:	0.00 ft
Cross Section:	S_N

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_N	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_N	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: S_R

Scenario:	Pumps
From Node:	S
To Node:	R
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	7.90 ft
Control Elevation:	0.00 ft
Cross Section:	S_R

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_R	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_R	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: S_T

Scenario:	Pumps	**Bottom Clip**	
From Node:	S	Default:	0.00 ft
To Node:	T	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.50 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_T	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_T	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: S_T1

		Upstream		Downstream	
Scenario:	Pumps	Invert:	-5.80 ft	Invert:	-5.80 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	66.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T1	100y3d	6.91	-1.67	0.67	3.91	3.91	3.91
S_T1	10y1d	5.30	-1.67	0.67	3.00	3.00	3.00
S_T1	25y3d	6.48	-1.67	0.67	3.67	3.67	3.67
S_T1	3Yr1D	4.10	-1.67	0.67	2.32	2.32	2.32
S_T1	5y1d	4.67	-1.67	0.67	2.64	2.64	2.64

Pipe Link: S_T2		Upstream		Downstream	
Scenario:	Pumps	Invert:	-5.80 ft	Invert:	-5.80 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T2	100y3d	6.86	-1.66	0.67	3.88	3.88	3.88

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T2	10y1d	5.26	-1.66	0.67	2.98	2.98	2.98
S_T2	25y3d	6.43	-1.66	0.67	3.64	3.64	3.64
S_T2	3Yr1D	4.07	-1.66	0.67	2.30	2.30	2.30
S_T2	5y1d	4.63	-1.66	0.67	2.62	2.62	2.62

Pipe Link: S_T3		Upstream		Downstream	
Scenario:	Pumps	Invert:	-5.60 ft	Invert:	-5.60 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T3	100y3d	7.60	-1.84	0.74	4.30	4.30	4.30
S_T3	10y1d	5.83	-1.84	0.74	3.30	3.30	3.30
S_T3	25y3d	7.13	-1.84	0.74	4.03	4.03	4.03
S_T3	3Yr1D	4.51	-1.84	0.74	2.55	2.55	2.55
S_T3	5y1d	5.14	-1.84	0.74	2.91	2.91	2.91

Pipe Link: S_T4		Upstream		Downstream	
Scenario:	Pumps	Invert:	-6.25 ft	Invert:	-6.25 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T4	100y3d	7.57	-1.83	0.73	4.28	4.28	4.28
S_T4	10y1d	5.80	-1.83	0.73	3.28	3.28	3.28
S_T4	25y3d	7.09	-1.83	0.73	4.01	4.01	4.01
S_T4	3Yr1D	4.49	-1.83	0.73	2.54	2.54	2.54
S_T4	5y1d	5.11	-1.83	0.73	2.89	2.89	2.89

Pipe Link: S_T5		Upstream		Downstream	
Scenario:	Pumps	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	S	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	66.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, n for concrete

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T5	100y3d	7.21	-1.75	0.70	4.08	4.08	4.08

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T5	10y1d	5.53	-1.75	0.70	3.13	3.13	3.13
S_T5	25y3d	6.76	-1.75	0.70	3.83	3.83	3.83
S_T5	3Yr1D	4.28	-1.75	0.70	2.42	2.42	2.42
S_T5	5y1d	4.87	-1.75	0.70	2.76	2.76	2.76

Pipe Link: S_V-P		Upstream		Downstream	
Scenario:	Pumps	Invert:	-4.70 ft	Invert:	-4.70 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	V	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	96.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-P	100y3d	31.02	-43.03	2.29	-6.09	-6.09	-6.09
S_V-P	10y1d	19.95	-43.03	2.29	-6.09	-6.09	-6.09
S_V-P	25y3d	28.47	-43.03	2.29	-6.09	-6.09	-6.09
S_V-P	3Yr1D	5.69	-43.03	2.29	-6.09	-6.09	-6.09
S_V-P	5y1d	13.17	-43.03	2.29	-6.09	-6.09	-6.09

Weir Link: S_V-W		Bottom Clip	
Scenario:	Pumps	Default:	0.00 ft
From Node:	S	Op Table:	
To Node:	V	Ref Node:	
Link Count:	1	Top Clip	
Flow Direction:	Both	Default:	0.00 ft
Damping:	0.0000 ft		

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	8.10 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	S_V	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: S_W-P		Upstream		Downstream	
Scenario:	Pumps	Invert:	-5.05 ft	Invert:	-5.05 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	174.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-P	100y3d	28.77	-2.62	0.56	9.16	9.16	9.16

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-P	10y1d	28.77	-0.25	0.56	9.16	9.16	9.16
S_W-P	25y3d	28.77	-0.22	0.56	9.16	9.16	9.16
S_W-P	3Yr1D	28.77	-0.24	0.56	9.16	9.16	9.16
S_W-P	5y1d	28.77	-0.22	0.56	9.16	9.16	9.16

Weir Link: S_W-W

Scenario:	Pumps	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: T_O

Scenario:	Pumps	Bottom Clip	
From Node:	T	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	9.60 ft
Control Elevation:	0.00 ft
Cross Section:	T_O

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
T_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
T_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: T_offsite

Scenario:	Pumps
From Node:	T
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.00 ft
Control Elevation:	0.00 ft
Cross Section:	T_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
T_offsite	100y3d	111.67	0.00	0.06	3.50	3.50	3.50
T_offsite	10y1d	78.06	0.00	0.06	3.14	3.14	3.14
T_offsite	25y3d	99.72	0.00	0.06	3.38	3.38	3.38

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
T_offsite	3Yr1D	51.41	0.00	0.05	2.79	2.79	2.79
T_offsite	5y1d	65.15	0.00	0.06	2.98	2.98	2.98

Pipe Link: U1_U3-P		Upstream		Downstream	
Scenario:	Pumps	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	U1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	U3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	560.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_U3-P	100y3d	6.72	-1.49	0.31	3.81	3.81	3.81
U1_U3-P	10y1d	6.57	-0.42	0.31	3.72	3.72	3.72
U1_U3-P	25y3d	6.71	-0.84	0.31	3.79	3.79	3.79
U1_U3-P	3Yr1D	5.73	-0.42	0.31	3.24	3.24	3.24
U1_U3-P	5y1d	6.28	-0.42	0.31	3.55	3.55	3.55

Weir Link: U1_offsite			
Scenario:	Pumps	Bottom Clip	
From Node:	U1	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	3.80 ft
Control Elevation:	0.00 ft
Cross Section:	U1_offsite

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_offsite	100y3d	5.14	0.00	0.01	1.27	1.27	1.27
U1_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
U1_offsite	25y3d	0.96	0.00	0.00	1.14	1.14	1.14
U1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U1_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: U1_offsite1		Upstream		Downstream	
Scenario:	Pumps	Invert:	-0.89 ft	Invert:	-1.26 ft
From Node:	U1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	180.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_offsite1	100y3d	4.41	-0.01	-0.01	5.61	5.61	5.61
U1_offsite1	10y1d	4.11	-0.01	-0.01	5.23	5.38	5.23
U1_offsite1	25y3d	4.28	-0.01	-0.01	5.45	5.45	5.45

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_offsite1	3Yr1D	3.72	-0.01	-0.01	4.74	5.38	5.04
U1_offsite1	5y1d	3.95	-0.01	-0.01	5.03	5.38	5.04

Rating Curve Link: U2PumpC

Scenario: Pumps
From Node: U2
To Node: Outfall South
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
U2Pump	1.50	U2	0.00	U2

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U2PumpC	100y3d	30.00	0.00	-15.00	0.00	0.00	0.00
U2PumpC	10y1d	30.00	0.00	-15.00	0.00	0.00	0.00
U2PumpC	25y3d	30.00	0.00	-15.00	0.00	0.00	0.00
U2PumpC	3Yr1D	30.00	0.00	-15.00	0.00	0.00	0.00
U2PumpC	5y1d	30.00	0.00	-15.00	0.00	0.00	0.00

Weir Link: U2_offsiteW

Scenario: Pumps
From Node: U2
To Node: Outfall South
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.80 ft
Control Elevation: 0.00 ft
Cross Section: U2_offsite

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U2_offsiteW	100y3d	21.36	0.00	0.05	1.34	1.34	1.34
U2_offsiteW	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
U2_offsiteW	25y3d	4.49	0.00	0.00	1.02	1.02	1.02
U2_offsiteW	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U2_offsiteW	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: U3_U1

Scenario:	Pumps	Bottom Clip	
From Node:	U3	Default:	0.00 ft
To Node:	U1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.52 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	U3_U1	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_U1	100y3d	6.74	-13.55	-0.03	-1.41	-1.41	-1.41
U3_U1	10y1d	0.00	-1.43	0.00	0.00	0.00	0.00
U3_U1	25y3d	1.31	-9.88	-0.01	-1.39	-1.39	-1.39
U3_U1	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U3_U1	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: U3_U2

Scenario:	Pumps	Bottom Clip	
From Node:	U3	Default:	0.00 ft
To Node:	U2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	8.30 ft
Control Elevation:	0.00 ft
Cross Section:	U3_U2

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_U2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: U3_offsite

Scenario:	Pumps
From Node:	U3
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	148.00 ft
FHWA Code:	0
Entr Loss Coef:	0.50
Exit Loss Coef:	0.50
Bend Loss Coef:	0.00
Bend Location:	0.00 ft
Energy Switch:	Energy

Upstream		Downstream	
Invert:	-0.89 ft	Invert:	-1.26 ft
Manning's N:	0.0090	Manning's N:	0.0090
Geometry: Circular		Geometry: Circular	
Max Depth:	2.00 ft	Max Depth:	2.00 ft
Bottom Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000
Top Clip			
Default:	0.00 ft	Default:	0.00 ft
Op Table:		Op Table:	
Ref Node:		Ref Node:	
Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_offsite	100y3d	33.03	-0.03	1.42	10.51	10.51	10.51
U3_offsite	10y1d	28.64	-0.03	1.42	9.11	9.11	9.11
U3_offsite	25y3d	31.87	-0.03	1.42	10.15	10.15	10.15
U3_offsite	3Yr1D	24.06	-0.03	1.42	7.66	7.66	7.66
U3_offsite	5y1d	26.83	-0.03	1.42	8.54	8.54	8.54

Weir Link: V_S

Scenario:	Pumps	**Bottom Clip**	
From Node:	V	Default:	0.00 ft
To Node:	S	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	V_S	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
V_S	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: V_S1

		Upstream		Downstream	
Scenario:	Pumps	Invert:	1.00 ft	Invert:	1.00 ft
From Node:	V	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	S	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	67.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S1	100y3d	9.40	-6.77	-0.50	5.32	5.32	5.32
V_S1	10y1d	9.40	-4.36	-0.50	5.32	5.32	5.32
V_S1	25y3d	9.40	-6.22	-0.50	5.32	5.32	5.32
V_S1	3Yr1D	9.40	-1.24	-0.50	5.32	5.32	5.32
V_S1	5y1d	9.40	-2.88	-0.50	5.32	5.32	5.32

Pipe Link: V_S2		Upstream		Downstream	
Scenario:	Pumps	Invert:	2.00 ft	Invert:	2.00 ft
From Node:	V	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	S	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S2	100y3d	9.36	-6.75	-0.50	5.30	5.30	5.30

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S2	10y1d	9.36	-4.34	-0.50	5.30	5.30	5.30
V_S2	25y3d	9.36	-6.19	-0.50	5.30	5.30	5.30
V_S2	3Yr1D	9.36	-1.24	-0.50	5.30	5.30	5.30
V_S2	5y1d	9.36	-2.86	-0.50	5.30	5.30	5.30

Pipe Link: V_T-P		Upstream		Downstream	
Scenario:	Pumps	Invert:	-4.35 ft	Invert:	-4.35 ft
From Node:	V	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_T-P	100y3d	11.42	-1.08	-0.63	6.46	6.46	6.46
V_T-P	10y1d	11.42	-1.03	-0.63	6.46	6.46	6.46
V_T-P	25y3d	11.42	-0.87	-0.63	6.46	6.46	6.46
V_T-P	3Yr1D	11.42	-1.11	-0.63	6.46	6.46	6.46
V_T-P	5y1d	11.42	-1.03	-0.63	6.46	6.46	6.46

Weir Link: V_T-W			
Scenario:	Pumps	Bottom Clip	
From Node:	V	Default:	0.00 ft
To Node:	T	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	5.90 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	V_T	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_T-W	100y3d	20.38	0.00	0.02	1.84	1.84	1.84
V_T-W	10y1d	12.37	0.00	0.02	1.70	1.70	1.70
V_T-W	25y3d	18.16	0.00	0.02	1.79	1.79	1.79
V_T-W	3Yr1D	3.94	0.00	0.01	1.52	1.52	1.52
V_T-W	5y1d	8.49	0.00	0.01	1.62	1.62	1.62

Weir Link: V_U2

Scenario:	Pumps	Bottom Clip	
From Node:	V	Default:	0.00 ft
To Node:	U2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.40 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	V_U2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_U2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_U2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: V_offsite

Scenario:	Pumps	**Bottom Clip**	
From Node:	V	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.80 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	V_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_offsite	100y3d	77.66	0.00	-0.06	2.19	2.19	2.19
V_offsite	10y1d	34.90	0.00	0.06	1.83	1.83	1.83
V_offsite	25y3d	59.82	0.00	0.05	2.05	2.05	2.05
V_offsite	3Yr1D	12.38	0.00	0.02	1.63	1.63	1.63
V_offsite	5y1d	23.71	0.00	0.04	1.75	1.75	1.75

Pipe Link: W1_W-P

		Upstream		Downstream	
Scenario:	Pumps	Invert:	-5.60 ft	Invert:	-6.00 ft
From Node:	W1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	960.62 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W1_W-P	100y3d	33.35	-31.70	3.15	4.72	4.72	4.72
W1_W-P	10y1d	32.33	-31.70	3.15	4.57	4.57	4.57
W1_W-P	25y3d	32.41	-31.70	3.15	4.59	4.59	4.59
W1_W-P	3Yr1D	31.54	-31.70	3.15	-4.48	-4.48	-4.48
W1_W-P	5y1d	32.04	-31.70	3.15	4.53	4.53	4.53

Pipe Link: W_offsite-P		Upstream		Downstream	
Scenario:	Pumps	Invert:	-6.00 ft	Invert:	-6.00 ft
From Node:	W	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	425.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-P	100y3d	48.79	-0.27	-0.65	5.07	5.07	5.07
W_offsite-P	10y1d	46.67	-0.25	-0.71	4.85	4.85	4.85
W_offsite-P	25y3d	47.21	-0.31	-0.65	4.91	4.91	4.91

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-P	3Yr1D	46.67	-0.27	0.80	4.85	4.85	4.85
W_offsite-P	5y1d	46.67	-0.25	0.81	4.85	4.85	4.85

Weir Link: W_offsite-W

Scenario:	Pumps
From Node:	W
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	9.50 ft
Control Elevation:	0.00 ft
Cross Section:	W_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [Pumps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Rating Curve Link: APumpC

Scenario:	PumpsSLR
From Node:	A
To Node:	Outfall North
Link Count:	1
Flow Direction:	Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
APump	1.50	A	0.00	A

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
APumpC	100y3d	50.00	0.00	-25.00	0.00	0.00	0.00
APumpC	10y1d	50.00	0.00	25.00	0.00	0.00	0.00
APumpC	25y3d	50.00	0.00	25.00	0.00	0.00	0.00
APumpC	3Yr1D	50.00	0.00	-25.00	0.00	0.00	0.00
APumpC	5y1d	50.00	0.00	25.00	0.00	0.00	0.00

Weir Link: A_offsite

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	A	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	A_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment: Invert chnaged from 2.4 to 3

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A_offsite	100y3d	62.11	0.00	0.12	1.80	1.80	1.80
A_offsite	10y1d	6.97	0.00	0.01	1.34	1.34	1.34
A_offsite	25y3d	30.92	0.00	0.03	1.67	1.67	1.67
A_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
A_offsite	5y1d	0.58	0.00	0.00	0.79	0.79	0.79

Weir Link: B_C

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	B	Default:	0.00 ft
To Node:	C	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	4.00 ft	Ref Node:	
Control Elevation:	0.00 ft	**Discharge Coefficients**	
Cross Section:	B_C	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_C	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
B_C	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: B_offsite-P		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.97 ft	Invert:	-2.81 ft
From Node:	B	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	131.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_offsite-P	100y3d	2.74	0.00	0.01	3.49	3.49	3.49
B_offsite-P	10y1d	2.53	0.00	0.00	3.22	3.22	3.22
B_offsite-P	25y3d	2.63	0.00	0.01	3.35	3.35	3.35
B_offsite-P	3Yr1D	2.35	0.00	0.00	3.00	3.00	3.00
B_offsite-P	5y1d	2.45	0.00	0.00	3.12	3.12	3.12

Weir Link: B_offsite-W

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	B	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	B_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment: Invert chnaged from 2.8 to 3

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_offsite-W	100y3d	13.20	0.00	0.01	1.74	1.74	1.74
B_offsite-W	10y1d	5.06	0.00	0.00	1.74	1.74	1.74
B_offsite-W	25y3d	8.01	0.00	0.00	1.74	1.74	1.74
B_offsite-W	3Yr1D	2.50	0.00	0.00	1.54	1.54	1.54
B_offsite-W	5y1d	3.67	0.00	0.00	1.73	1.73	1.73

Weir Link: C_D

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	C	Default:	0.00 ft
To Node:	D	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	5.30 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	C_D	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_D	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
C_D	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: C_J1

Scenario:	PumpsSLR	Bottom Clip	
From Node:	C	Default:	0.00 ft
To Node:	J1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.40 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	C_J1	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_J1	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_J1	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: C_offsite			
Scenario:	PumpsSLR	Bottom Clip	
From Node:	C	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	C_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment: Invert changed from 1.4 to 3

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite	100y3d	105.15	0.00	0.09	1.64	1.64	1.64
C_offsite	10y1d	44.64	0.00	-0.04	1.41	1.41	1.41
C_offsite	25y3d	71.77	0.00	0.06	1.54	1.54	1.54
C_offsite	3Yr1D	15.28	0.00	0.01	1.18	1.18	1.18
C_offsite	5y1d	30.39	0.00	0.02	1.33	1.33	1.33

Pipe Link: C_offsite1		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-1.31 ft	Invert:	-3.28 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite1	100y3d	0.99	0.00	0.00	1.83	1.83	1.83
C_offsite1	10y1d	0.92	0.00	0.00	1.70	1.70	1.70
C_offsite1	25y3d	0.95	0.00	0.00	1.76	1.76	1.76
C_offsite1	3Yr1D	0.87	0.00	0.00	1.61	1.61	1.61
C_offsite1	5y1d	0.90	0.00	0.00	1.66	1.66	1.66

Pipe Link: C_offsite2		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.81 ft	Invert:	-1.82 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	92.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite2	100y3d	1.85	0.00	0.01	2.35	2.35	2.35
C_offsite2	10y1d	1.72	0.00	0.00	2.19	2.19	2.19
C_offsite2	25y3d	1.78	0.00	0.01	2.26	2.26	2.26

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite2	3Yr1D	1.62	0.00	0.01	2.07	2.07	2.07
C_offsite2	5y1d	1.67	0.00	0.00	2.13	2.13	2.13

Pipe Link: C_offsite3		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	91.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite3	100y3d	1.86	0.00	0.01	2.37	2.37	2.37
C_offsite3	10y1d	1.73	0.00	0.00	2.20	2.20	2.20
C_offsite3	25y3d	1.79	0.00	0.01	2.28	2.28	2.28
C_offsite3	3Yr1D	1.63	0.00	0.01	2.08	2.08	2.08
C_offsite3	5y1d	1.68	0.00	0.00	2.14	2.14	2.14

Pipe Link: C_offsite4		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite4	100y3d	4.26	0.00	0.01	5.43	5.43	5.43
C_offsite4	10y1d	3.96	0.00	0.00	5.04	5.04	5.04
C_offsite4	25y3d	4.10	0.00	0.01	5.22	5.22	5.22
C_offsite4	3Yr1D	3.75	0.00	0.01	4.77	4.77	4.77
C_offsite4	5y1d	3.86	0.00	0.01	4.92	4.92	4.92

Pipe Link: C_offsite5		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite5	100y3d	4.20	0.00	0.01	5.35	5.35	5.35
C_offsite5	10y1d	3.90	0.00	0.00	4.97	4.97	4.97
C_offsite5	25y3d	4.04	0.00	0.01	5.14	5.14	5.14

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite5	3Yr1D	3.69	0.00	0.01	4.70	4.70	4.70
C_offsite5	5y1d	3.80	0.00	0.01	4.84	4.84	4.84

Pipe Link: C_offsite6		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2
n for iron pipe

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite6	100y3d	2.63	0.00	0.01	4.86	4.86	4.86
C_offsite6	10y1d	2.44	0.00	0.00	4.51	4.51	4.51
C_offsite6	25y3d	2.53	0.00	0.01	4.67	4.67	4.67
C_offsite6	3Yr1D	2.31	0.00	0.01	4.27	4.27	4.27
C_offsite6	5y1d	2.38	0.00	0.00	4.40	4.40	4.40

Drop Structure Link: CyprCkE		Upstream Pipe		Downstream Pipe	
Scenario:	PumpsSLR	Invert:	-0.60 ft	Invert:	-0.60 ft
From Node:	A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	None	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	

Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	104.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component

Weir:	1	Bottom Clip	
Weir Count:	1	Default:	0.00 ft
Weir Flow Direction:	Both	Op Table:	
Damping:	0.0000 ft	Ref Node:	
Weir Type:	Sharp Crested Vertical	Top Clip	
Geometry Type:	Rectangular	Default:	0.00 ft
Invert:	1.00 ft	Op Table:	
Control Elevation:	1.00 ft	Ref Node:	
Max Depth:	3.00 ft	Discharge Coefficients	
Max Width:	6.00 ft	Weir Default:	3.200
Fillet:	0.00 ft	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CyprCkE - Pipe	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
CyprCkE - Pipe	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
CyprCkE - Pipe	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
CyprCkE - Pipe	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CyprCkE - Weir: 1	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
CyprCkE - Pipe	5y1d	0.00	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: D_F

Scenario:	PumpsSLR	Bottom Clip	
From Node:	D	Default:	0.00 ft
To Node:	F	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	D_F	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_F	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
D_F	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: D_J2

Scenario:	PumpsSLR	Bottom Clip	
From Node:	D	Default:	0.00 ft
To Node:	J2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	6.60 ft
Control Elevation:	0.00 ft
Cross Section:	D_J2

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_J2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: D_offsite

Scenario:	PumpsSLR
From Node:	D
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.00 ft
Control Elevation:	0.00 ft
Cross Section:	D_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Invert changed from 1.9 to 3

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite	100y3d	73.82	0.00	-0.10	2.27	2.27	2.27

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite	10y1d	42.73	0.00	-0.03	1.98	1.98	1.98
D_offsite	25y3d	58.20	0.00	-0.04	2.13	2.13	2.13
D_offsite	3Yr1D	28.03	0.00	-0.02	1.80	1.80	1.80
D_offsite	5y1d	35.33	0.00	-0.03	1.90	1.90	1.90

Pipe Link: D_offsite1		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.39 ft	Invert:	-0.39 ft
From Node:	D	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	163.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite1	100y3d	2.84	0.00	0.00	2.31	2.31	2.31
D_offsite1	10y1d	2.59	0.00	0.00	2.11	2.11	2.11
D_offsite1	25y3d	2.72	0.00	0.01	2.22	2.22	2.22
D_offsite1	3Yr1D	2.42	0.00	0.00	1.97	1.97	1.97
D_offsite1	5y1d	2.51	0.00	0.00	2.05	2.05	2.05

Pipe Link: D_offsite2		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.83 ft	Invert:	-0.83 ft
From Node:	D	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.67 ft	Max Depth:	0.67 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite2	100y3d	1.50	0.00	0.00	4.25	4.25	4.25
D_offsite2	10y1d	1.37	0.00	0.00	3.87	3.87	3.87
D_offsite2	25y3d	1.43	0.00	0.01	4.07	4.07	4.07
D_offsite2	3Yr1D	1.28	0.00	0.00	3.62	3.62	3.62
D_offsite2	5y1d	1.32	0.00	0.00	3.76	3.76	3.76

Weir Link: E1_E2

Scenario:	PumpsSLR	Bottom Clip	
From Node:	E1	Default:	0.00 ft
To Node:	E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E1_E2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E2	100y3d	0.00	-20.60	0.03	-1.45	-1.45	-1.45
E1_E2	10y1d	0.00	-6.20	0.01	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E2	25y3d	0.00	-13.88	-0.02	-1.36	-1.36	-1.36
E1_E2	3Yr1D	0.00	-0.66	0.00	0.00	0.00	0.00
E1_E2	5y1d	0.00	-3.06	0.00	0.00	0.00	0.00

Weir Link: E1_E3

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	E1	Default:	0.00 ft
To Node:	E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.20 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E1_E3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E1_F-P

		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	0.73 ft	Invert:	0.73 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	F	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	61.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-P	100y3d	21.43	-18.52	-0.10	3.03	-3.16	-3.03
E1_F-P	10y1d	14.97	-18.56	-0.18	-2.95	-3.25	-3.10
E1_F-P	25y3d	19.80	-18.70	-0.17	-2.94	-3.21	-3.07
E1_F-P	3Yr1D	7.63	-16.65	0.06	-2.70	-2.92	-2.81
E1_F-P	5y1d	12.06	-17.73	-0.14	-2.85	-3.12	-2.99

Weir Link: E1_F-W

Scenario:	PumpsSLR	Bottom Clip	
From Node:	E1	Default:	0.00 ft
To Node:	F	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E1_F	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-W	100y3d	49.17	-1.01	-0.05	2.35	2.35	2.35
E1_F-W	10y1d	14.51	-0.29	-0.03	1.67	1.67	1.67
E1_F-W	25y3d	33.60	-0.60	-0.03	2.16	2.16	2.16
E1_F-W	3Yr1D	2.15	-0.14	0.00	0.92	0.92	0.92

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-W	5y1d	7.65	-0.19	-0.02	1.38	1.38	1.38

Weir Link: E1_offsite

Scenario:	PumpsSLR
From Node:	E1
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.20 ft
Control Elevation:	0.00 ft
Cross Section:	E1_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite	100y3d	97.77	0.00	-0.12	2.19	2.19	2.19
E1_offsite	10y1d	22.04	0.00	-0.02	1.74	1.74	1.74
E1_offsite	25y3d	60.49	0.00	-0.04	1.99	1.99	1.99
E1_offsite	3Yr1D	6.18	0.00	-0.01	1.60	1.60	1.60
E1_offsite	5y1d	12.38	0.00	-0.02	1.69	1.69	1.69

Pipe Link: E1_offsite1

Scenario:	PumpsSLR
From Node:	E1
To Node:	Outfall North
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft
Length:	120.00 ft
FHWA Code:	0
Entr Loss Coef:	0.50
Exit Loss Coef:	0.50

Upstream

Invert:	0.04 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	2.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Downstream

Invert:	-1.65 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	2.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite1	100y3d	20.27	0.00	0.12	6.45	6.45	6.45
E1_offsite1	10y1d	17.53	0.00	-0.13	5.58	5.58	5.58
E1_offsite1	25y3d	19.20	0.00	-0.14	6.11	6.11	6.11
E1_offsite1	3Yr1D	15.39	0.00	-0.13	4.90	4.90	4.90
E1_offsite1	5y1d	16.57	0.00	-0.10	5.27	5.27	5.27

Pipe Link: E1_offsite2		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.19 ft	Invert:	-2.62 ft
From Node:	E1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite2	100y3d	10.58	0.00	0.07	5.98	5.98	5.98
E1_offsite2	10y1d	9.15	0.00	-0.07	5.18	5.18	5.18
E1_offsite2	25y3d	10.02	0.00	-0.08	5.67	5.67	5.67
E1_offsite2	3Yr1D	8.03	0.00	-0.07	4.54	4.54	4.54
E1_offsite2	5y1d	8.64	0.00	-0.06	4.89	4.89	4.89

Pipe Link: E1_offsite3		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	0.73 ft	Invert:	-4.02 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite3	100y3d	4.74	0.00	0.03	6.04	6.04	6.04
E1_offsite3	10y1d	4.10	0.00	-0.03	5.22	5.22	5.22
E1_offsite3	25y3d	4.49	0.00	-0.03	5.72	5.72	5.72
E1_offsite3	3Yr1D	3.60	0.00	-0.03	4.58	4.58	4.58
E1_offsite3	5y1d	3.88	0.00	-0.02	4.93	4.93	4.93

Pipe Link: E1_offsite4		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	0.20 ft	Invert:	-2.91 ft
From Node:	E1	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite4	100y3d	2.24	0.00	0.01	2.85	2.85	2.85
E1_offsite4	10y1d	1.94	0.00	-0.02	2.47	2.47	2.47
E1_offsite4	25y3d	2.12	0.00	-0.02	2.70	2.70	2.70
E1_offsite4	3Yr1D	1.70	0.00	-0.01	2.17	2.17	2.17
E1_offsite4	5y1d	1.83	0.00	-0.01	2.33	2.33	2.33

Pipe Link: E1_offsite5		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite5	100y3d	3.00	0.00	0.02	5.55	5.55	5.55
E1_offsite5	10y1d	2.60	0.00	-0.02	4.80	4.80	4.80
E1_offsite5	25y3d	2.84	0.00	-0.02	5.26	5.26	5.26
E1_offsite5	3Yr1D	2.28	0.00	-0.02	4.21	4.21	4.21
E1_offsite5	5y1d	2.45	0.00	-0.02	4.54	4.54	4.54

Pipe Link: E1_offsite6		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft

Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite6	100y3d	0.84	0.00	0.01	4.26	4.26	4.26
E1_offsite6	10y1d	0.72	0.00	-0.01	3.68	3.68	3.68
E1_offsite6	25y3d	0.79	0.00	-0.01	4.03	4.03	4.03
E1_offsite6	3Yr1D	0.63	0.00	-0.01	3.23	3.23	3.23
E1_offsite6	5y1d	0.68	0.00	0.00	3.48	3.48	3.48

Pipe Link: E1_offsite7		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	44.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite7	100y3d	42.14	0.00	7.88	8.59	8.59	8.59
E1_offsite7	10y1d	36.45	0.00	-6.79	7.43	7.43	7.43
E1_offsite7	25y3d	39.92	0.00	7.28	8.13	8.13	8.13
E1_offsite7	3Yr1D	31.99	0.00	-5.90	6.52	6.52	6.52
E1_offsite7	5y1d	34.45	0.00	-5.94	7.02	7.02	7.02

Weir Link: E2_offsite

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	E2	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E2_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite	100y3d	20.79	0.00	-0.03	1.47	1.47	1.47
E2_offsite	10y1d	6.20	0.00	-0.01	1.18	1.18	1.18
E2_offsite	25y3d	13.88	0.00	0.02	1.36	1.36	1.36
E2_offsite	3Yr1D	0.66	0.00	0.00	0.85	0.85	0.85
E2_offsite	5y1d	3.06	0.00	0.00	1.06	1.06	1.06

Pipe Link: E2_offsite1

		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.20 ft	Invert:	-4.24 ft
From Node:	E2	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	136.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite1	100y3d	4.73	0.00	0.01	6.02	6.02	6.02
E2_offsite1	10y1d	4.58	0.00	0.00	5.83	5.83	5.83
E2_offsite1	25y3d	4.65	0.00	0.02	5.92	5.92	5.92
E2_offsite1	3Yr1D	4.38	0.00	0.00	5.58	5.58	5.58
E2_offsite1	5y1d	4.51	0.00	0.00	5.75	5.75	5.75

Pipe Link: E2_offsite2		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.20 ft	Invert:	-4.24 ft
From Node:	E2	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.66 ft	Max Depth:	0.66 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	116.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite2	100y3d	1.79	0.00	0.00	5.23	5.23	5.23

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite2	10y1d	1.73	0.00	0.00	5.06	5.06	5.06
E2_offsite2	25y3d	1.76	0.00	0.01	5.15	5.15	5.15
E2_offsite2	3Yr1D	1.66	0.00	0.00	4.85	4.85	4.85
E2_offsite2	5y1d	1.71	0.00	0.00	4.99	4.99	4.99

Rating Curve Link: E3PumpC

Scenario: PumpsSLR
From Node: E3
To Node: Outfall North
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
E3Pump	1.50	E3	0.00	E3

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3PumpC	100y3d	50.00	0.00	24.61	0.00	0.00	0.00
E3PumpC	10y1d	50.00	0.00	24.61	0.00	0.00	0.00
E3PumpC	25y3d	50.00	0.00	24.61	0.00	0.00	0.00
E3PumpC	3Yr1D	50.00	0.00	24.61	0.00	0.00	0.00
E3PumpC	5y1d	50.00	0.00	24.61	0.00	0.00	0.00

Weir Link: E3_E2

Scenario: PumpsSLR
From Node: E3
To Node: E2
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 7.20 ft
Control Elevation: 0.00 ft
Cross Section: E3_E2

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600

Orifice Table:

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_E2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E3_F

Scenario: PumpsSLR
From Node: E3
To Node: F
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 5.90 ft
Control Elevation: 0.00 ft
Cross Section: E3_F

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_F	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E3_G-P		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.72 ft	Invert:	-0.72 ft
From Node:	E3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	G	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_G-P	100y3d	3.63	-7.92	-1.28	-6.45	-6.45	-6.45
E3_G-P	10y1d	3.66	-7.89	-1.25	-6.43	-6.43	-6.43
E3_G-P	25y3d	3.64	-7.90	-1.22	-6.44	-6.44	-6.44
E3_G-P	3Yr1D	3.68	-8.53	-1.22	-6.95	-7.17	-7.00
E3_G-P	5y1d	3.69	-7.86	-1.23	-6.41	-6.63	-6.42

Weir Link: E3_G-W			
Scenario:	PumpsSLR	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	G	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_G	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_G-W	100y3d	0.00	-94.43	-0.06	-1.76	-1.76	-1.76
E3_G-W	10y1d	0.00	-58.39	-0.04	-1.64	-1.64	-1.64
E3_G-W	25y3d	0.00	-73.77	0.05	-1.74	-1.74	-1.74
E3_G-W	3Yr1D	0.00	-36.03	-0.05	0.00	0.00	0.00
E3_G-W	5y1d	0.00	-47.12	-0.05	-1.55	-1.55	-1.55

Weir Link: E3_H

Scenario:	PumpsSLR	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	H	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.40 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_H	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_H	100y3d	0.00	-80.36	0.05	-2.63	-2.63	-2.63
E3_H	10y1d	0.00	-61.36	0.02	-2.56	-2.56	-2.56
E3_H	25y3d	0.00	-74.43	-0.03	-2.62	-2.62	-2.62
E3_H	3Yr1D	0.00	-47.86	0.02	-2.47	-2.47	-2.47
E3_H	5y1d	0.00	-54.65	0.02	-2.51	-2.51	-2.51

Weir Link: E3_J3

Scenario:	PumpsSLR	Bottom Clip	
From Node:	E3	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	7.40 ft
Control Elevation:	0.00 ft
Cross Section:	E3_J3

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E3_offsite

Scenario:	PumpsSLR
From Node:	E3
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.90 ft
Control Elevation:	0.00 ft
Cross Section:	E3_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite	100y3d	56.57	0.00	0.06	1.80	1.80	1.80

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite	10y1d	6.87	0.00	-0.01	1.42	1.42	1.42
E3_offsite	25y3d	26.97	0.00	-0.03	1.65	1.65	1.65
E3_offsite	3Yr1D	0.04	0.00	0.00	0.00	0.00	0.00
E3_offsite	5y1d	2.26	0.00	0.00	1.21	1.21	1.21

Pipe Link: E3_offsite2		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.83 ft	Invert:	-2.48 ft
From Node:	E3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry:	Circular	Geometry:	Circular
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	None	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	114.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_offsite2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_offsite2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_offsite2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_offsite2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: F_J2			
Scenario:	PumpsSLR	Bottom Clip	
From Node:	F	Default:	0.00 ft
To Node:	J2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.70 ft
Control Elevation:	0.00 ft
Cross Section:	F_J2

Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J2	100y3d	0.00	-73.37	0.04	0.00	0.00	0.00
F_J2	10y1d	0.00	-36.71	0.03	0.00	0.00	0.00
F_J2	25y3d	0.00	-54.37	-0.03	0.00	0.00	0.00
F_J2	3Yr1D	0.00	-23.23	0.01	0.00	0.00	0.00
F_J2	5y1d	0.00	-29.70	0.02	0.00	0.00	0.00

Weir Link: F_J3

Scenario:	PumpsSLR
From Node:	F
To Node:	J3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	6.70 ft
Control Elevation:	0.00 ft
Cross Section:	F_J3

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: F_offsite-P		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	0.13 ft	Invert:	0.13 ft
From Node:	F	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_offsite-P	100y3d	14.39	0.00	-0.05	8.14	8.14	8.14
F_offsite-P	10y1d	12.72	0.00	-0.01	7.20	7.20	7.20
F_offsite-P	25y3d	13.65	0.00	0.04	7.73	7.73	7.73
F_offsite-P	3Yr1D	11.50	0.00	0.00	6.51	6.51	6.51
F_offsite-P	5y1d	12.17	0.00	-0.01	6.89	6.89	6.89

Weir Link: F_offsite-W			
Scenario:	PumpsSLR	Bottom Clip	
From Node:	F	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	3.10 ft
Control Elevation:	0.00 ft
Cross Section:	F_offsite

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_offsite-W	100y3d	207.66	0.00	-0.14	2.56	2.56	2.56
F_offsite-W	10y1d	98.02	0.00	-0.16	2.09	2.09	2.09
F_offsite-W	25y3d	156.11	0.00	-0.12	2.35	2.35	2.35
F_offsite-W	3Yr1D	51.04	0.00	-0.06	1.77	1.77	1.77
F_offsite-W	5y1d	74.30	0.00	-0.10	1.95	1.95	1.95

Weir Link: G_J3

Scenario:	PumpsSLR
From Node:	G
To Node:	J3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	6.50 ft
Control Elevation:	0.00 ft
Cross Section:	G_J3

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
G_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
G_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: H_G

Scenario:	PumpsSLR	Bottom Clip	
From Node:	H	Default:	0.00 ft
To Node:	G	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.80 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	H_G	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_G	100y3d	60.68	0.00	-0.05	2.17	2.17	2.17
H_G	10y1d	35.06	0.00	-0.03	2.04	2.04	2.04
H_G	25y3d	49.85	0.00	0.03	2.14	2.14	2.14
H_G	3Yr1D	23.55	0.00	-0.01	1.86	1.86	1.86
H_G	5y1d	29.28	0.00	-0.02	1.96	1.96	1.96

Weir Link: H_I

Scenario:	PumpsSLR	Bottom Clip	
From Node:	H	Default:	0.00 ft
To Node:	I	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.80 ft	Discharge Coefficients	

Control Elevation:	0.00 ft		
Cross Section:	H_I	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_I	100y3d	70.82	0.00	0.03	2.34	2.34	2.34
H_I	10y1d	34.25	0.00	-0.02	2.17	2.17	2.17
H_I	25y3d	49.61	0.00	-0.03	2.30	2.30	2.30
H_I	3Yr1D	24.20	0.00	-0.01	2.01	2.01	2.01
H_I	5y1d	29.25	0.00	-0.01	2.10	2.10	2.10

Weir Link: H_J3

Scenario:	PumpsSLR	Bottom Clip	
From Node:	H	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	H_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_J3	100y3d	0.00	-163.74	0.09	-3.11	-3.11	-3.11
H_J3	10y1d	0.00	-103.51	0.05	-2.74	-2.74	-2.74
H_J3	25y3d	0.00	-135.17	-0.05	-2.95	-2.95	-2.95
H_J3	3Yr1D	0.00	-77.86	0.03	-2.56	-2.56	-2.56
H_J3	5y1d	0.00	-90.75	0.04	-2.65	-2.65	-2.65

Weir Link: I_E3

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	I	Default:	0.00 ft
To Node:	E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	I_E3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_E3	100y3d	4.12	-111.75	-0.06	-3.53	-3.53	-3.53
I_E3	10y1d	5.82	-71.03	-0.12	-3.04	-3.04	-3.04
I_E3	25y3d	5.42	-94.56	-0.10	-3.34	-3.34	-3.34
I_E3	3Yr1D	5.73	-40.22	-0.18	-2.52	-2.52	-2.52
I_E3	5y1d	5.82	-57.17	-0.13	-2.82	-2.82	-2.82

Weir Link: I_J3

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	I	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.70 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	I_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: I_offsite

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	I	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	I_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_offsite	100y3d	215.66	0.00	0.11	2.23	2.23	2.23
I_offsite	10y1d	119.50	0.00	-0.08	1.94	1.94	1.94
I_offsite	25y3d	168.59	0.00	0.09	2.10	2.10	2.10
I_offsite	3Yr1D	72.10	0.00	0.08	1.74	1.74	1.74
I_offsite	5y1d	96.90	0.00	0.07	1.86	1.86	1.86

Weir Link: J1_J2

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	J1	Default:	0.00 ft
To Node:	J2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	

Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	7.20 ft
Control Elevation:	0.00 ft
Cross Section:	J1_J2

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_J2	100y3d	1.92	0.00	-0.01	0.78	0.78	0.78
J1_J2	10y1d	0.01	0.00	0.00	0.00	0.00	0.00
J1_J2	25y3d	0.60	0.00	0.00	0.57	0.57	0.57
J1_J2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J1_J2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: J1_offsite

Scenario:	PumpsSLR
From Node:	J1
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	6.70 ft
Control Elevation:	0.00 ft
Cross Section:	J1_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_offsite	100y3d	62.49	0.00	-0.08	1.68	1.68	1.68

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_offsite	10y1d	34.57	0.00	-0.02	1.53	1.53	1.53
J1_offsite	25y3d	49.82	0.00	-0.03	1.61	1.61	1.61
J1_offsite	3Yr1D	22.09	0.00	-0.01	1.44	1.44	1.44
J1_offsite	5y1d	28.22	0.00	-0.02	1.49	1.49	1.49

Weir Link: J2_J3

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	J2	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J2_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J2_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: J2_offsite

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	J2	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular		
Invert:	4.60 ft	Ref Node:	
Control Elevation:	0.00 ft	**Discharge Coefficients**	
Cross Section:	J2_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J2_offsite	100y3d	65.63	0.00	0.03	2.75	2.75	2.75
J2_offsite	10y1d	42.42	0.00	-0.03	2.44	2.44	2.44
J2_offsite	25y3d	55.06	0.00	0.02	2.62	2.62	2.62
J2_offsite	3Yr1D	29.98	0.00	-0.02	2.23	2.23	2.23
J2_offsite	5y1d	36.34	0.00	-0.02	2.34	2.34	2.34

Pipe Link: J3_K		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	J3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	K	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	517.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_K	100y3d	0.00	-28.99	-0.05	-5.91	-5.91	-5.91
J3_K	10y1d	0.00	-29.21	-0.05	-5.95	-5.95	-5.95

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_K	25y3d	0.00	-29.05	0.10	-5.92	-5.92	-5.92
J3_K	3Yr1D	0.00	-29.24	-0.06	-5.96	-5.96	-5.96
J3_K	5y1d	0.00	-29.30	-0.03	-5.97	-5.97	-5.97

Weir Link: J3_offsite

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	J3	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.50 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J3_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_offsite	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: K_M

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	K	Default:	0.00 ft
To Node:	M	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	8.20 ft
Control Elevation:	0.00 ft
Cross Section:	K_M

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_M	100y3d	13.15	0.00	0.02	1.42	1.42	1.42
K_M	10y1d	4.37	0.00	0.01	1.06	1.06	1.06
K_M	25y3d	9.44	0.00	0.02	1.29	1.29	1.29
K_M	3Yr1D	0.01	0.00	0.00	0.00	0.00	0.00
K_M	5y1d	1.98	0.00	0.01	0.87	0.87	0.87

Weir Link: K_N

Scenario:	PumpsSLR
From Node:	K
To Node:	N
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	8.30 ft
Control Elevation:	0.00 ft
Cross Section:	K_N

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_N	100y3d	5.96	0.00	-0.01	1.06	1.06	1.06
K_N	10y1d	0.61	0.00	0.00	0.63	0.63	0.63
K_N	25y3d	3.14	0.00	0.01	0.91	0.91	0.91
K_N	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_N	5y1d	0.04	0.00	0.00	0.00	0.00	0.00

Weir Link: K_O

Scenario:	PumpsSLR	Bottom Clip	
From Node:	K	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	10.20 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	K_O	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
K_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: K_offsite

Scenario:	PumpsSLR	Bottom Clip	
From Node:	K	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.80 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800

Cross Section: K_offsite

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_offsite	100y3d	91.84	0.00	0.14	1.50	1.50	1.50
K_offsite	10y1d	37.73	0.00	0.07	1.35	1.35	1.35
K_offsite	25y3d	67.78	0.00	0.10	1.43	1.43	1.43
K_offsite	3Yr1D	9.52	0.00	-0.02	1.28	1.28	1.28
K_offsite	5y1d	23.95	0.00	0.04	1.31	1.31	1.31

Rating Curve Link: LPumpC

Scenario: PumpsSLR
From Node: L
To Node: Outfall South
Link Count: 2
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
LPump	1.50	L	0.00	L

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
LPumpC	100y3d	80.00	0.00	-39.38	0.00	0.00	0.00
LPumpC	10y1d	80.00	0.00	39.38	0.00	0.00	0.00
LPumpC	25y3d	80.00	0.00	39.38	0.00	0.00	0.00
LPumpC	3Yr1D	80.00	0.00	39.38	0.00	0.00	0.00
LPumpC	5y1d	80.00	0.00	-39.38	0.00	0.00	0.00

Weir Link: L_M-W

Scenario: PumpsSLR
From Node: L

Bottom Clip
Default: 0.00 ft

To Node:	M		
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	**Top Clip**	
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	5.40 ft	Ref Node:	
Control Elevation:	0.00 ft	**Discharge Coefficients**	
Cross Section:	L_M	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_M-W	100y3d	0.00	-184.37	-0.16	0.00	0.00	0.00
L_M-W	10y1d	0.00	-74.09	-0.10	0.00	0.00	0.00
L_M-W	25y3d	0.00	-129.83	-0.08	0.00	0.00	0.00
L_M-W	3Yr1D	0.00	-26.95	-0.07	0.00	0.00	0.00
L_M-W	5y1d	0.00	-49.25	-0.11	0.00	0.00	0.00

Weir Link: L_W

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	L	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	L_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow	Min Flow [cfs]	Min/Max	Max Us	Max Ds	Max Avg

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_W	100y3d	0.00	-119.28	0.17	-1.99	-1.99	-1.99
L_W	10y1d	0.00	-68.01	0.07	-1.82	-1.82	-1.82
L_W	25y3d	0.00	-102.48	0.09	-1.95	-1.95	-1.95
L_W	3Yr1D	0.00	-36.60	0.04	-1.66	-1.66	-1.66
L_W	5y1d	0.00	-51.99	0.08	-1.74	-1.74	-1.74

Weir Link: L_offsite

Scenario:	PumpsSLR
From Node:	L
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.60 ft
Control Elevation:	0.00 ft
Cross Section:	L_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite	100y3d	242.76	0.00	0.29	2.41	2.41	2.41
L_offsite	10y1d	59.26	0.00	0.04	1.90	1.90	1.90
L_offsite	25y3d	146.53	0.00	0.09	2.28	2.28	2.28
L_offsite	3Yr1D	3.44	0.00	0.00	1.02	1.02	1.02
L_offsite	5y1d	26.39	0.00	0.03	1.57	1.57	1.57

Pipe Link: L_offsite1

Scenario:	PumpsSLR
From Node:	L
To Node:	Outfall South
Link Count:	1
Flow Direction:	Positive
Damping:	0.0000 ft

Upstream

Invert:	-0.53 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	2.00 ft

Bottom Clip

Default:	0.00 ft

Downstream

Invert:	-1.41 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	2.00 ft

Length:	1075.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite1	100y3d	9.61	0.00	-0.12	3.06	3.06	3.06
L_offsite1	10y1d	8.41	0.00	-0.11	2.68	2.68	2.68
L_offsite1	25y3d	9.15	0.00	-0.12	2.91	2.91	2.91
L_offsite1	3Yr1D	7.00	0.00	-0.11	2.23	2.23	2.23
L_offsite1	5y1d	7.88	0.00	-0.11	2.51	2.51	2.51

Pipe Link: L_offsite2		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-1.64 ft	Invert:	-2.24 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	None	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	199.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: L_offsite3		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-1.43 ft	Invert:	-2.27 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	None	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	183.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: L_offsite5		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.57 ft	Invert:	-2.20 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	None	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	663.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite5	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite5	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite5	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite5	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
L_offsite5	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: L_offsite7		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.67 ft	Invert:	-1.41 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	160.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite7	100y3d	15.18	0.00	-0.19	6.31	6.31	6.31

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite7	10y1d	13.28	0.00	-0.17	5.52	5.52	5.52
L_offsite7	25y3d	14.45	0.00	-0.18	6.01	6.01	6.01
L_offsite7	3Yr1D	11.06	0.00	-0.18	4.60	4.60	4.60
L_offsite7	5y1d	12.44	0.00	-0.18	5.17	5.17	5.17

Pipe Link: L_offsite8		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.99 ft	Invert:	-1.64 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	165.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite8	100y3d	3.67	0.00	-0.05	4.67	4.67	4.67
L_offsite8	10y1d	3.21	0.00	-0.04	4.08	4.08	4.08
L_offsite8	25y3d	3.49	0.00	-0.04	4.44	4.44	4.44
L_offsite8	3Yr1D	2.67	0.00	-0.04	3.40	3.40	3.40
L_offsite8	5y1d	3.01	0.00	-0.04	3.83	3.83	3.83

Pipe Link: L_offsite9		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-2.89 ft	Invert:	-1.89 ft
From Node:	L	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.67 ft	Max Depth:	0.67 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of L_offsite1/2/3/4/5/6/7/8
N is for clay

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite9	100y3d	1.29	0.00	-0.02	3.67	3.67	3.67
L_offsite9	10y1d	1.13	0.00	-0.01	3.21	3.21	3.21
L_offsite9	25y3d	1.23	0.00	-0.02	3.49	3.49	3.49
L_offsite9	3Yr1D	0.94	0.00	-0.02	2.67	2.67	2.67
L_offsite9	5y1d	1.06	0.00	-0.02	3.01	3.01	3.01

Pipe Link: M_N-P		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-5.00 ft	Invert:	-5.00 ft
From Node:	M	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	132.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_N-P	100y3d	12.88	-9.51	1.61	7.29	7.29	7.29
M_N-P	10y1d	11.02	-5.60	1.61	6.24	6.24	6.24
M_N-P	25y3d	11.86	-8.24	1.61	6.71	6.71	6.71
M_N-P	3Yr1D	10.73	-5.60	1.61	6.07	6.07	6.07
M_N-P	5y1d	10.89	-5.60	1.61	6.16	6.16	6.16

Weir Link: M_N-W

Scenario:	PumpsSLR	Bottom Clip	
From Node:	M	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.60 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	M_N	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_N-W	100y3d	0.00	-28.79	-0.15	0.00	0.00	0.00
M_N-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: M_W

Scenario:	PumpsSLR	Bottom Clip	
From Node:	M	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	6.20 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	M_W	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_W	100y3d	6.21	0.00	0.01	1.74	1.74	1.74
M_W	10y1d	0.78	0.00	0.00	1.07	1.07	1.07
M_W	25y3d	3.21	0.00	0.00	1.50	1.50	1.50
M_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_W	5y1d	0.06	0.00	0.00	0.00	0.00	0.00

Weir Link: M_offsite-W

Scenario:	PumpsSLR	Bottom Clip	
From Node:	M	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.10 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	M_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_offsite-W	100y3d	13.91	0.00	0.02	1.90	1.90	1.90
M_offsite-W	10y1d	2.70	0.00	0.01	1.28	1.28	1.28

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_offsite-W	25y3d	8.29	0.00	0.01	1.68	1.68	1.68
M_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_offsite-W	5y1d	0.73	0.00	0.00	0.91	0.91	0.91

Weir Link: N_O

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	N	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	N_O	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
N_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: N_O1

		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	41.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O1	100y3d	4.37	-6.22	1.01	-5.07	-5.07	-5.07
N_O1	10y1d	4.37	-2.55	1.01	3.56	3.56	3.56
N_O1	25y3d	4.37	-5.41	1.01	-4.41	-4.41	-4.41
N_O1	3Yr1D	4.37	-0.72	1.01	3.56	3.56	3.56
N_O1	5y1d	4.37	-1.67	1.01	3.56	3.56	3.56

Pipe Link: N_O2		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O2	100y3d	5.99	-8.54	1.39	-4.83	-4.83	-4.83
N_O2	10y1d	5.99	-3.51	1.39	3.39	3.39	3.39
N_O2	25y3d	5.99	-7.43	1.39	-4.20	-4.20	-4.20

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O2	3Yr1D	5.99	-0.98	1.39	3.39	3.39	3.39
N_O2	5y1d	5.99	-2.30	1.39	3.39	3.39	3.39

Pipe Link: N_O3		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O3	100y3d	11.86	-16.90	2.74	-5.38	-5.38	-5.38
N_O3	10y1d	11.86	-6.94	2.74	3.78	3.78	3.78
N_O3	25y3d	11.86	-14.70	2.74	-4.68	-4.68	-4.68
N_O3	3Yr1D	11.86	-1.94	2.74	3.78	3.78	3.78
N_O3	5y1d	11.86	-4.55	2.74	3.78	3.78	3.78

Pipe Link: N_W-P		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-5.59 ft	Invert:	-5.59 ft
From Node:	N	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	177.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-P	100y3d	59.08	-0.65	1.31	8.36	8.36	8.36
N_W-P	10y1d	59.08	-0.65	0.84	8.36	8.36	8.36
N_W-P	25y3d	59.08	-0.99	1.12	8.36	8.36	8.36
N_W-P	3Yr1D	59.08	-0.65	-1.14	8.36	8.36	8.36
N_W-P	5y1d	59.08	-0.65	1.13	8.36	8.36	8.36

Weir Link: N_W-W

Scenario:	PumpsSLR	Bottom Clip	
From Node:	N	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.40 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	N_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: O_offsite

Scenario:	PumpsSLR
From Node:	O
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.00 ft
Control Elevation:	0.00 ft
Cross Section:	O_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
O_offsite	100y3d	81.29	0.00	0.05	3.84	3.84	3.84
O_offsite	10y1d	31.72	0.00	0.02	2.94	2.94	2.94
O_offsite	25y3d	61.64	0.00	0.03	3.53	3.53	3.53
O_offsite	3Yr1D	11.29	0.00	0.01	2.44	2.44	2.44
O_offsite	5y1d	21.15	0.00	0.03	2.71	2.71	2.71

Rating Curve Link: P1PumpC

Scenario:	PumpsSLR
From Node:	P1
To Node:	Outfall South
Link Count:	1
Flow Direction:	None

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
P1Pump	99.00	P1	0.00	P1

Comment: Turned off, not needed

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1PumpC	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
P1PumpC	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P1PumpC	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
P1PumpC	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1PumpC	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_P2

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	P1	Default:	0.00 ft
To Node:	P2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P1_P2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_P2	100y3d	0.00	-8.57	-0.01	0.00	0.00	0.00
P1_P2	10y1d	0.00	-0.21	0.00	0.00	0.00	0.00
P1_P2	25y3d	0.00	-3.94	-0.01	0.00	0.00	0.00
P1_P2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_P2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_P3

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	P1	Default:	0.00 ft
To Node:	P3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	4.40 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	P1_P3	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_P3	100y3d	6.07	0.00	0.01	1.34	1.34	1.34
P1_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P1_P3	25y3d	0.86	0.00	0.00	0.91	0.91	0.91
P1_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_W

Scenario:	PumpsSLR	Bottom Clip	
From Node:	P1	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P1_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_W	100y3d	78.20	-6.67	-0.13	0.99	0.99	0.99

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_W	10y1d	48.43	-1.15	-0.06	0.93	0.93	0.93
P1_W	25y3d	70.16	-1.14	-0.09	0.97	0.97	0.97
P1_W	3Yr1D	26.71	-2.60	-0.03	-0.97	-0.97	-0.97
P1_W	5y1d	37.29	-1.56	-0.06	0.99	0.99	0.99

Weir Link: P1_offsite

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	P1	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.10 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P1_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite	100y3d	22.95	0.00	0.04	1.60	1.60	1.60
P1_offsite	10y1d	0.49	0.00	0.00	0.91	0.91	0.91
P1_offsite	25y3d	6.72	0.00	-0.01	1.44	1.44	1.44
P1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P1_offsite2

		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.57 ft	Invert:	-2.40 ft
From Node:	P1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P1_offsite1/2, n = 0.012, size = 18"

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite2	100y3d	11.64	0.00	0.08	6.59	6.59	6.59
P1_offsite2	10y1d	10.20	0.00	0.09	5.77	5.77	5.77
P1_offsite2	25y3d	11.10	0.00	0.09	6.28	6.28	6.28
P1_offsite2	3Yr1D	8.68	0.00	0.08	4.91	4.91	4.91
P1_offsite2	5y1d	9.57	0.00	0.09	5.41	5.41	5.41

Pipe Link: P1_offsite3		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.57 ft	Invert:	-2.40 ft
From Node:	P1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	130.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P1_offsite1/2

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite3	100y3d	0.94	0.00	0.01	4.77	4.77	4.77
P1_offsite3	10y1d	0.82	0.00	0.01	4.18	4.18	4.18

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite3	25y3d	0.89	0.00	0.01	4.55	4.55	4.55
P1_offsite3	3Yr1D	0.70	0.00	0.01	3.56	3.56	3.56
P1_offsite3	5y1d	0.77	0.00	0.01	3.92	3.92	3.92

Weir Link: P2_P3

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	P2	Default:	0.00 ft
To Node:	P3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P2_P3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_P3	100y3d	5.42	0.00	0.01	1.34	1.34	1.34
P2_P3	10y1d	0.18	0.00	0.00	0.55	0.55	0.55
P2_P3	25y3d	2.67	0.00	0.00	1.11	1.11	1.11
P2_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P2_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P2_offsite-P

		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	1.23 ft	Invert:	1.23 ft
From Node:	P2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	127.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_offsite-P	100y3d	4.71	0.00	0.01	6.00	6.00	6.00
P2_offsite-P	10y1d	4.57	0.00	0.00	5.82	5.82	5.82
P2_offsite-P	25y3d	4.66	0.00	0.01	5.93	5.93	5.93
P2_offsite-P	3Yr1D	4.11	0.00	0.00	5.24	5.24	5.24
P2_offsite-P	5y1d	4.39	0.00	0.00	5.59	5.59	5.59

Weir Link: P2_offsite-W

Scenario:	PumpsSLR	Bottom Clip	
From Node:	P2	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P2_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_offsite-W	100y3d	2.87	0.00	0.00	1.32	1.32	1.32
P2_offsite-W	10y1d	0.16	0.00	0.00	0.68	0.68	0.68
P2_offsite-W	25y3d	1.43	0.00	0.00	1.17	1.17	1.17
P2_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_offsite-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P3_Q

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	P3	Default:	0.00 ft
To Node:	Q	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.20 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P3_Q	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q	100y3d	0.00	-24.10	0.04	0.00	0.00	0.00
P3_Q	10y1d	0.00	-0.01	0.00	0.00	0.00	0.00
P3_Q	25y3d	0.00	-10.76	0.02	0.00	0.00	0.00
P3_Q	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P3_Q	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P3_Q1

		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-1.80 ft	Invert:	-1.80 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Q	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	369.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q1	100y3d	0.00	-45.91	-0.18	-6.49	-6.49	-6.49
P3_Q1	10y1d	0.01	-35.62	-0.14	-5.04	-5.04	-5.04
P3_Q1	25y3d	0.00	-42.94	-0.31	-6.07	-6.07	-6.07
P3_Q1	3Yr1D	0.00	-23.95	-0.17	-3.39	-3.39	-3.39
P3_Q1	5y1d	0.00	-29.98	-0.26	-4.24	-4.24	-4.24

Pipe Link: P3_Q2		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-3.05 ft	Invert:	-3.05 ft
From Node:	P3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Q	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q2	100y3d	0.00	-16.79	-0.07	-9.50	-9.50	-9.50
P3_Q2	10y1d	0.00	-13.03	-0.05	-7.37	-7.37	-7.37
P3_Q2	25y3d	0.00	-15.70	-0.11	-8.88	-8.88	-8.88
P3_Q2	3Yr1D	0.00	-8.76	-0.06	-4.96	-4.96	-4.96
P3_Q2	5y1d	0.00	-10.96	-0.09	-6.20	-6.20	-6.20

Weir Link: P3_W

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	P3	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.70 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P3_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_W	100y3d	0.00	-0.14	0.00	0.00	0.00	0.00
P3_W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P3_offsite

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	P3	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P3_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment: Invert changed from 2.9 to 3

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite	100y3d	149.65	0.00	-0.13	2.51	2.51	2.51
P3_offsite	10y1d	78.62	0.00	-0.05	2.06	2.06	2.06
P3_offsite	25y3d	114.54	0.00	-0.06	2.32	2.32	2.32
P3_offsite	3Yr1D	47.69	0.00	-0.03	1.79	1.79	1.79
P3_offsite	5y1d	63.38	0.00	-0.05	1.94	1.94	1.94

Pipe Link: P3_offsite1		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	0.02 ft	Invert:	-3.86 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	285.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite1	100y3d	2.25	0.00	-0.01	2.86	2.86	2.86
P3_offsite1	10y1d	1.98	0.00	0.00	2.52	2.52	2.52
P3_offsite1	25y3d	2.13	0.00	-0.02	2.71	2.71	2.71
P3_offsite1	3Yr1D	1.82	0.00	-0.01	2.32	2.32	2.32
P3_offsite1	5y1d	1.91	0.00	0.00	2.43	2.43	2.43

Pipe Link: P3_offsite2		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-1.20 ft	Invert:	-5.27 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft

Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite2	100y3d	7.60	0.00	-0.02	6.20	6.20	6.20
P3_offsite2	10y1d	6.71	0.00	-0.01	5.46	5.46	5.46
P3_offsite2	25y3d	7.20	0.00	-0.06	5.86	5.86	5.86
P3_offsite2	3Yr1D	6.15	0.00	-0.02	5.01	5.01	5.01
P3_offsite2	5y1d	6.45	0.00	0.01	5.26	5.26	5.26

Pipe Link: P3_offsite3		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.59 ft	Invert:	-4.57 ft
From Node:	P3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P3_offsite1/2, n = 0.012, size = 18"

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite3	100y3d	11.85	0.00	-0.03	6.70	6.70	6.70
P3_offsite3	10y1d	10.45	0.00	-0.02	5.91	5.91	5.91
P3_offsite3	25y3d	11.21	0.00	-0.09	6.34	6.34	6.34
P3_offsite3	3Yr1D	9.59	0.00	-0.03	5.42	5.42	5.42
P3_offsite3	5y1d	10.05	0.00	-0.02	5.69	5.69	5.69

Rating Curve Link: P4PumpC

Scenario: PumpsSLR
From Node: P4
To Node: Outfall South
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
P4Pump	1.50	P4	0.00	P4

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4PumpC	100y3d	32.00	0.00	-16.00	0.00	0.00	0.00
P4PumpC	10y1d	32.00	0.00	16.00	0.00	0.00	0.00
P4PumpC	25y3d	32.00	0.00	16.00	0.00	0.00	0.00
P4PumpC	3Yr1D	32.00	0.00	16.00	0.00	0.00	0.00
P4PumpC	5y1d	32.00	0.00	-16.00	0.00	0.00	0.00

Weir Link: P4_R-W

Scenario: PumpsSLR
From Node: P4
To Node: R
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 3.54 ft
Control Elevation: 0.00 ft
Cross Section: P4_R

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:

Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_R-W	100y3d	2.79	-47.77	0.06	-1.91	-1.91	-1.91
P4_R-W	10y1d	0.00	-18.58	0.03	0.00	0.00	0.00
P4_R-W	25y3d	2.21	-33.11	0.04	-1.92	-1.92	-1.92
P4_R-W	3Yr1D	0.00	-6.84	0.01	0.00	0.00	0.00
P4_R-W	5y1d	0.00	-12.59	0.02	0.00	0.00	0.00

Weir Link: P4_U1-W

Scenario:	PumpsSLR
From Node:	P4
To Node:	U1
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.86 ft
Control Elevation:	0.00 ft
Cross Section:	P4_U1

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_U1-W	100y3d	0.92	-13.76	0.01	-1.66	-1.66	-1.66
P4_U1-W	10y1d	0.00	-1.12	0.00	0.00	0.00	0.00
P4_U1-W	25y3d	0.00	-7.00	0.01	-1.36	-1.36	-1.36
P4_U1-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P4_U1-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P4_offsite

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	P4	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.50 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P4_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite	100y3d	21.72	0.00	0.03	1.66	1.66	1.66
P4_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P4_offsite	25y3d	5.95	0.00	-0.01	1.63	1.63	1.63
P4_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P4_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: Q_R

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	Q	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.10 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	Q_R	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_R	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: Q_S

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	Q	Default:	0.00 ft
To Node:	S	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.60 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	Q_S	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_S	100y3d	0.00	-54.99	0.08	0.00	0.00	0.00
Q_S	10y1d	0.00	-0.89	0.00	0.00	0.00	0.00
Q_S	25y3d	0.00	-25.23	-0.04	0.00	0.00	0.00
Q_S	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_S	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: Q_W

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	Q	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	5.30 ft	Ref Node:	
Control Elevation:	0.00 ft	**Discharge Coefficients**	
Cross Section:	Q_W	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_W	100y3d	38.35	0.00	-0.07	2.56	2.56	2.56
Q_W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
Q_W	25y3d	14.73	0.00	-0.03	2.04	2.04	2.04
Q_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: R_P3

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	R	Default:	0.00 ft
To Node:	P3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	R_P3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_P3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: R_U3

Scenario:	PumpsSLR
From Node:	R
To Node:	U3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.24 ft
Control Elevation:	0.00 ft
Cross Section:	R_U3

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_U3	100y3d	0.17	-0.48	-0.01	-0.65	-0.65	-0.65
R_U3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: R_U3-P

Scenario:	PumpsSLR
From Node:	R
To Node:	U3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	284.00 ft

Upstream

Invert:	-1.12 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	1.50 ft

Bottom Clip

Default:	0.00 ft
Op Table:	

Downstream

Invert:	-1.12 ft
Manning's N:	0.0130

Geometry: Circular

Max Depth:	1.50 ft

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_U3-P	100y3d	3.90	-1.82	0.31	2.21	2.21	2.21
R_U3-P	10y1d	2.74	-0.94	0.31	1.55	1.55	1.55
R_U3-P	25y3d	3.33	-1.91	0.31	1.89	1.89	1.89
R_U3-P	3Yr1D	3.37	-0.59	0.31	1.90	1.90	1.90
R_U3-P	5y1d	2.78	-0.59	0.31	1.58	1.58	1.58

Weir Link: R_offsite

Scenario:	PumpsSLR	Bottom Clip	
From Node:	R	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.06 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	R_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite	100y3d	5.96	0.00	-0.02	1.11	1.11	1.11
R_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_offsite	25y3d	1.50	0.00	0.00	0.80	0.80	0.80

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: R_offsite1		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	0.00 ft	Invert:	-2.33 ft
From Node:	R	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	138.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite1	100y3d	9.87	0.00	-0.06	5.58	5.58	5.58
R_offsite1	10y1d	9.10	0.00	-0.06	5.15	5.15	5.15
R_offsite1	25y3d	9.56	0.00	-0.06	5.41	5.41	5.41
R_offsite1	3Yr1D	8.75	0.00	-0.06	4.95	4.95	4.95
R_offsite1	5y1d	8.78	0.00	-0.06	4.97	4.97	4.97

Pipe Link: R_offsite2		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.16 ft	Invert:	-2.96 ft
From Node:	R	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P4_offsite1/2/3, n = 0.012, size = 18"

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite2	100y3d	6.34	0.00	-0.03	5.16	5.16	5.16
R_offsite2	10y1d	5.85	0.00	-0.03	4.76	4.76	4.76
R_offsite2	25y3d	6.14	0.00	-0.03	5.00	5.00	5.00
R_offsite2	3Yr1D	5.62	0.00	-0.03	4.58	4.58	4.58
R_offsite2	5y1d	5.64	0.00	-0.03	4.60	4.60	4.60

Weir Link: S_N

Scenario:	PumpsSLR	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_N	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_N	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_N	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: S_R

Scenario:	PumpsSLR	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_R	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_R	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_R	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: S_T

Scenario:	PumpsSLR	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	T	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800

Cross Section: S_T

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_T	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: S_T1		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-5.80 ft	Invert:	-5.80 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	66.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T1	100y3d	6.94	-6.23	-1.73	3.93	3.93	3.93
S_T1	10y1d	5.42	-6.23	-1.73	-3.53	-3.53	-3.53
S_T1	25y3d	6.54	-6.23	-1.73	3.70	3.70	3.70
S_T1	3Yr1D	4.19	-6.23	-1.73	-3.53	-3.53	-3.53
S_T1	5y1d	4.74	-6.23	-1.73	-3.53	-3.53	-3.53

Pipe Link: S_T2		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-5.80 ft	Invert:	-5.80 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T2	100y3d	6.89	-6.18	-1.71	3.90	3.90	3.90
S_T2	10y1d	5.37	-6.18	-1.71	-3.50	-3.50	-3.50
S_T2	25y3d	6.48	-6.18	-1.71	3.67	3.67	3.67
S_T2	3Yr1D	4.16	-6.18	-1.71	-3.50	-3.50	-3.50
S_T2	5y1d	4.71	-6.18	-1.71	-3.50	-3.50	-3.50

Pipe Link: S_T3		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-5.60 ft	Invert:	-5.60 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T3	100y3d	7.64	-6.85	-1.90	4.32	4.32	4.32
S_T3	10y1d	5.96	-6.85	-1.90	-3.88	-3.88	-3.88
S_T3	25y3d	7.19	-6.85	-1.90	4.07	4.07	4.07
S_T3	3Yr1D	4.61	-6.85	-1.90	-3.88	-3.88	-3.88
S_T3	5y1d	5.22	-6.85	-1.90	-3.88	-3.88	-3.88

Pipe Link: S_T4		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-6.25 ft	Invert:	-6.25 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T4	100y3d	7.60	-6.82	-1.89	4.30	4.30	4.30
S_T4	10y1d	5.93	-6.82	-1.89	-3.86	-3.86	-3.86
S_T4	25y3d	7.16	-6.82	-1.89	4.05	4.05	4.05
S_T4	3Yr1D	4.59	-6.82	-1.89	-3.86	-3.86	-3.86
S_T4	5y1d	5.19	-6.82	-1.89	-3.86	-3.86	-3.86

Pipe Link: S_T5		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	S	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	66.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, n for concrete

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T5	100y3d	7.24	-6.50	-1.80	4.10	4.10	4.10
S_T5	10y1d	5.65	-6.50	-1.80	-3.68	-3.68	-3.68
S_T5	25y3d	6.82	-6.50	-1.80	3.86	3.86	3.86
S_T5	3Yr1D	4.37	-6.50	-1.80	-3.68	-3.68	-3.68
S_T5	5y1d	4.95	-6.50	-1.80	-3.68	-3.68	-3.68

Pipe Link: S_V-P		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-4.70 ft	Invert:	-4.70 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	V	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	96.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-P	100y3d	76.80	-7.06	-6.23	10.86	10.86	10.86
S_V-P	10y1d	76.80	-10.51	-6.23	10.86	10.86	10.86
S_V-P	25y3d	76.80	-10.00	-6.23	10.86	10.86	10.86
S_V-P	3Yr1D	76.80	-10.14	-6.23	10.86	10.86	10.86
S_V-P	5y1d	76.80	-10.63	-6.23	10.86	10.86	10.86

Weir Link: S_V-W

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	S	Default:	0.00 ft
To Node:	V	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.10 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_V	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: S_W-P

		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-5.05 ft	Invert:	-5.05 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	174.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-P	100y3d	28.18	-2.95	-0.34	8.97	8.97	8.97
S_W-P	10y1d	28.18	-0.04	-0.34	8.97	8.97	8.97
S_W-P	25y3d	28.18	-0.04	-0.34	8.97	8.97	8.97
S_W-P	3Yr1D	28.18	-0.01	-0.34	8.97	8.97	8.97
S_W-P	5y1d	28.18	-0.06	-0.34	8.97	8.97	8.97

Weir Link: S_W-W

Scenario:	PumpsSLR	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: T_O

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	T	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.60 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	T_O	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
T_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
T_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: T_offsite

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	T	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	5.00 ft
Control Elevation:	0.00 ft
Cross Section:	T_offsite

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
T_offsite	100y3d	111.80	0.00	0.07	3.50	3.50	3.50
T_offsite	10y1d	79.07	0.00	-0.05	3.15	3.15	3.15
T_offsite	25y3d	100.08	0.00	0.06	3.38	3.38	3.38
T_offsite	3Yr1D	52.60	0.00	0.05	2.81	2.81	2.81
T_offsite	5y1d	66.23	0.00	0.05	2.99	2.99	2.99

Pipe Link: U1_U3-P		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-4.00 ft	Invert:	-4.00 ft
From Node:	U1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	U3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	560.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_U3-P	100y3d	4.34	-1.67	0.38	2.46	2.46	2.46
U1_U3-P	10y1d	4.17	-1.19	0.38	2.36	2.36	2.36
U1_U3-P	25y3d	4.20	-1.66	0.38	2.38	2.38	2.38

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_U3-P	3Yr1D	4.00	-0.72	0.38	2.26	2.26	2.26
U1_U3-P	5y1d	4.12	-1.04	0.38	2.33	2.33	2.33

Weir Link: U1_offsite

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	U1	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.80 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	U1_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_offsite	100y3d	13.37	0.00	0.01	1.51	1.51	1.51
U1_offsite	10y1d	0.99	0.00	0.00	1.15	1.15	1.15
U1_offsite	25y3d	5.56	0.00	-0.01	1.28	1.28	1.28
U1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U1_offsite	5y1d	0.15	0.00	0.00	0.67	0.67	0.67

Pipe Link: U1_offsite1

		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.89 ft	Invert:	-1.26 ft
From Node:	U1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	180.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

		Top Clip			
Exit Loss Coef:	0.50				
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_offsite1	100y3d	3.07	0.00	-0.01	3.91	3.91	3.91
U1_offsite1	10y1d	2.78	0.00	-0.01	3.54	3.54	3.54
U1_offsite1	25y3d	2.95	0.00	0.01	3.76	3.76	3.76
U1_offsite1	3Yr1D	2.68	0.00	-0.01	3.41	3.41	3.41
U1_offsite1	5y1d	2.68	0.00	-0.01	3.41	3.41	3.41

Rating Curve Link: U2PumpC

Scenario: PumpsSLR
From Node: U2
To Node: Outfall South
Link Count: 1
Flow Direction: Positive

Table	Elev On [ft]	Elev On Node	Elev Off [ft]	Elev Off Node
U2Pump	1.50	U2	0.00	U2

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U2PumpC	100y3d	30.00	0.00	-15.00	0.00	0.00	0.00
U2PumpC	10y1d	30.00	0.00	-15.00	0.00	0.00	0.00
U2PumpC	25y3d	30.00	0.00	-15.00	0.00	0.00	0.00
U2PumpC	3Yr1D	30.00	0.00	-15.00	0.00	0.00	0.00
U2PumpC	5y1d	30.00	0.00	-15.00	0.00	0.00	0.00

Weir Link: U2_offsiteW

Scenario: PumpsSLR

Bottom Clip

From Node:	U2		
To Node:	Outfall South	Default:	0.00 ft
Link Count:	1	Op Table:	
Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft	Top Clip	
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	3.80 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	U2_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U2_offsiteW	100y3d	22.79	0.00	0.06	1.36	1.36	1.36
U2_offsiteW	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
U2_offsiteW	25y3d	5.57	0.00	-0.01	1.06	1.06	1.06
U2_offsiteW	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U2_offsiteW	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: U3_U1

Scenario:	PumpsSLR	Bottom Clip	
From Node:	U3	Default:	0.00 ft
To Node:	U1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.52 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	U3_U1	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_U1	100y3d	14.20	-9.50	-0.03	1.40	1.40	1.40
U3_U1	10y1d	3.04	-8.15	-0.02	-1.39	-1.39	-1.39
U3_U1	25y3d	9.24	-9.64	-0.02	-1.39	-1.39	-1.39
U3_U1	3Yr1D	0.00	-1.79	0.00	-1.04	-1.04	-1.04
U3_U1	5y1d	1.09	-5.07	-0.02	-1.37	-1.37	-1.37

Weir Link: U3_U2

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	U3	Default:	0.00 ft
To Node:	U2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	U3_U2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_U2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: U3_offsite

		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-0.89 ft	Invert:	-1.26 ft
From Node:	U3	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	148.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_offsite	100y3d	23.08	0.00	-0.15	7.35	7.35	7.35
U3_offsite	10y1d	20.64	0.00	-0.15	6.57	6.57	6.57
U3_offsite	25y3d	22.13	0.00	-0.15	7.04	7.04	7.04
U3_offsite	3Yr1D	20.09	0.00	-0.15	6.40	6.40	6.40
U3_offsite	5y1d	20.09	0.00	-0.15	6.40	6.40	6.40

Weir Link: V_S

Scenario:	PumpsSLR	Bottom Clip	
From Node:	V	Default:	0.00 ft
To Node:	S	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	V_S	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
V_S	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: V_S1		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	1.00 ft	Invert:	1.00 ft
From Node:	V	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	S	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	67.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S1	100y3d	1.54	-11.68	1.36	-6.61	-7.18	-6.89
V_S1	10y1d	2.29	-11.68	1.36	-6.61	-7.18	-6.89
V_S1	25y3d	2.18	-11.68	1.36	-6.61	-7.18	-6.89
V_S1	3Yr1D	2.21	-11.68	1.36	-6.61	-7.18	-6.89
V_S1	5y1d	2.32	-11.68	1.36	-6.61	-7.18	-6.89

Pipe Link: V_S2		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	2.00 ft	Invert:	2.00 ft
From Node:	V	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	S	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S2	100y3d	1.54	-6.98	0.50	-3.95	-5.45	-4.70
V_S2	10y1d	2.29	-6.98	0.50	-3.95	-5.45	-4.70
V_S2	25y3d	2.18	-6.98	0.50	-3.95	-5.45	-4.70
V_S2	3Yr1D	2.21	-6.98	0.50	-3.95	-5.45	-4.70
V_S2	5y1d	2.31	-6.98	0.50	-3.95	-5.45	-4.70

Pipe Link: V_T-P		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-4.35 ft	Invert:	-4.35 ft
From Node:	V	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_T-P	100y3d	6.19	-20.44	0.57	-11.57	-11.57	-11.57
V_T-P	10y1d	5.83	-20.44	0.57	-11.57	-11.57	-11.57

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_T-P	25y3d	6.10	-20.44	0.57	-11.57	-11.57	-11.57
V_T-P	3Yr1D	5.03	-20.44	0.58	-11.57	-11.57	-11.57
V_T-P	5y1d	5.59	-20.44	0.57	-11.57	-11.57	-11.57

Weir Link: V_T-W

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	V	Default:	0.00 ft
To Node:	T	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	V_T	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_T-W	100y3d	20.42	0.00	0.02	1.84	1.84	1.84
V_T-W	10y1d	12.72	0.00	0.02	1.70	1.70	1.70
V_T-W	25y3d	18.27	0.00	0.02	1.80	1.80	1.80
V_T-W	3Yr1D	4.36	0.00	0.01	1.53	1.53	1.53
V_T-W	5y1d	8.92	0.00	0.02	1.63	1.63	1.63

Weir Link: V_U2

Scenario:	PumpsSLR	**Bottom Clip**	
From Node:	V	Default:	0.00 ft
To Node:	U2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	9.40 ft
Control Elevation:	0.00 ft
Cross Section:	V_U2

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_U2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: V_offsite

Scenario:	PumpsSLR
From Node:	V
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.80 ft
Control Elevation:	0.00 ft
Cross Section:	V_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_offsite	100y3d	77.89	0.00	-0.06	2.19	2.19	2.19
V_offsite	10y1d	35.96	0.00	0.05	1.84	1.84	1.84
V_offsite	25y3d	60.44	0.00	0.05	2.05	2.05	2.05
V_offsite	3Yr1D	13.48	0.00	0.03	1.65	1.65	1.65

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_offsite	5y1d	24.75	0.00	0.04	1.76	1.76	1.76

Pipe Link: W1_W-P		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-5.60 ft	Invert:	-6.00 ft
From Node:	W1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	960.62 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W1_W-P	100y3d	32.99	-17.94	0.82	4.67	4.67	4.67
W1_W-P	10y1d	28.86	-17.94	0.82	4.08	4.08	4.08
W1_W-P	25y3d	31.98	-17.94	0.82	4.52	4.52	4.52
W1_W-P	3Yr1D	27.29	-17.94	0.82	3.86	3.86	3.86
W1_W-P	5y1d	27.95	-17.94	-0.93	3.95	3.95	3.95

Pipe Link: W_offsite-P		Upstream		Downstream	
Scenario:	PumpsSLR	Invert:	-6.00 ft	Invert:	-6.00 ft
From Node:	W	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Positive	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	425.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-P	100y3d	36.16	0.00	0.10	3.76	3.76	3.76
W_offsite-P	10y1d	31.65	0.00	-1.01	3.29	3.29	3.29
W_offsite-P	25y3d	34.43	0.00	-0.97	3.58	3.58	3.58
W_offsite-P	3Yr1D	26.74	0.00	-0.93	2.78	2.78	2.78
W_offsite-P	5y1d	29.67	0.00	-1.09	3.08	3.08	3.08

Weir Link: W_offsite-W

Scenario:	PumpsSLR	Bottom Clip	
From Node:	W	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	W_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [PumpsSLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: A_offsite

Scenario:	SLR	**Bottom Clip**	
From Node:	A	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	A_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment: Invert changed from 2.4 to 3

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
A_offsite	100y3d	131.10	0.00	0.15	2.02	2.02	2.02
A_offsite	10y1d	60.15	0.00	0.04	1.79	1.79	1.79
A_offsite	25y3d	96.62	0.00	0.11	1.93	1.93	1.93
A_offsite	3Yr1D	29.28	0.00	0.03	1.66	1.66	1.66
A_offsite	5y1d	44.04	0.00	0.04	1.72	1.72	1.72

Weir Link: B_C

Scenario:	SLR	**Bottom Clip**	
From Node:	B	Default:	0.00 ft
To Node:	C	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	B_C	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_C	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
B_C	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
B_C	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: B_offsite-P		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.97 ft	Invert:	-2.81 ft
From Node:	B	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	131.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_offsite-P	100y3d	2.74	-0.70	0.01	3.49	3.49	3.49
B_offsite-P	10y1d	2.53	-0.09	0.00	3.22	3.22	3.22
B_offsite-P	25y3d	2.63	-0.74	0.01	3.35	3.35	3.35
B_offsite-P	3Yr1D	2.35	-0.09	0.00	3.00	3.00	3.00
B_offsite-P	5y1d	2.45	-0.09	0.00	3.12	3.12	3.12

Weir Link: B_offsite-W			
Scenario:	SLR	Bottom Clip	
From Node:	B	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.00 ft
Control Elevation:	0.00 ft
Cross Section:	B_offsite

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment: Invert changed from 2.8 to 3

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
B_offsite-W	100y3d	13.20	0.00	0.02	1.74	1.74	1.74
B_offsite-W	10y1d	5.06	0.00	0.00	1.74	1.74	1.74
B_offsite-W	25y3d	8.02	0.00	0.01	1.74	1.74	1.74
B_offsite-W	3Yr1D	2.50	0.00	0.00	1.54	1.54	1.54
B_offsite-W	5y1d	3.67	0.00	0.00	1.73	1.73	1.73

Weir Link: C_D

Scenario:	SLR
From Node:	C
To Node:	D
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.30 ft
Control Elevation:	0.00 ft
Cross Section:	C_D

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_D	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_D	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
C_D	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: C_J1

Scenario:	SLR	**Bottom Clip**	
From Node:	C	Default:	0.00 ft
To Node:	J1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.40 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	C_J1	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_J1	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
C_J1	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: C_offsite

Scenario:	SLR	**Bottom Clip**	
From Node:	C	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	3.00 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	C_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment: Invert changed from 1.4 to 3

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite	100y3d	105.18	0.00	0.17	1.64	1.64	1.64
C_offsite	10y1d	44.64	0.00	0.04	1.41	1.41	1.41
C_offsite	25y3d	71.79	0.00	0.15	1.54	1.54	1.54
C_offsite	3Yr1D	18.24	0.00	0.03	1.22	1.22	1.22
C_offsite	5y1d	30.83	0.00	0.04	1.33	1.33	1.33

Pipe Link: C_offsite1		Upstream		Downstream	
Scenario:	SLR	Invert:	-1.31 ft	Invert:	-3.28 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite1	100y3d	0.99	-0.30	0.01	1.83	1.83	1.83

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite1	10y1d	0.92	-0.09	0.00	1.70	1.70	1.70
C_offsite1	25y3d	0.95	-0.32	0.00	1.76	1.76	1.76
C_offsite1	3Yr1D	0.87	-0.10	0.00	1.61	1.61	1.61
C_offsite1	5y1d	0.90	-0.09	0.00	1.66	1.66	1.66

Pipe Link: C_offsite2		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.81 ft	Invert:	-1.82 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	92.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite2	100y3d	1.85	-0.57	0.01	2.35	2.35	2.35
C_offsite2	10y1d	1.72	-0.17	0.00	2.19	2.19	2.19
C_offsite2	25y3d	1.78	-0.59	0.01	2.26	2.26	2.26
C_offsite2	3Yr1D	1.63	-0.19	0.00	2.07	2.07	2.07
C_offsite2	5y1d	1.67	-0.17	0.00	2.13	2.13	2.13

Pipe Link: C_offsite3		Upstream		Downstream	
Scenario:	SLR	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	91.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite3	100y3d	1.86	-0.57	0.01	2.37	2.37	2.37
C_offsite3	10y1d	1.73	-0.18	0.00	2.20	2.20	2.20
C_offsite3	25y3d	1.79	-0.60	0.01	2.28	2.28	2.28
C_offsite3	3Yr1D	1.63	-0.19	0.00	2.08	2.08	2.08
C_offsite3	5y1d	1.68	-0.18	0.00	2.14	2.14	2.14

Pipe Link: C_offsite4		Upstream		Downstream	
Scenario:	SLR	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite4	100y3d	4.26	-1.30	0.02	5.43	5.43	5.43

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite4	10y1d	3.96	-0.40	0.00	5.04	5.04	5.04
C_offsite4	25y3d	4.10	-1.37	0.02	5.22	5.22	5.22
C_offsite4	3Yr1D	3.75	-0.43	0.00	4.78	4.78	4.78
C_offsite4	5y1d	3.86	-0.40	0.00	4.92	4.92	4.92

Pipe Link: C_offsite5		Upstream		Downstream	
Scenario:	SLR	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	35.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite5	100y3d	4.20	-1.28	0.02	5.35	5.35	5.35
C_offsite5	10y1d	3.90	-0.40	0.00	4.97	4.97	4.97
C_offsite5	25y3d	4.04	-1.35	0.01	5.14	5.14	5.14
C_offsite5	3Yr1D	3.69	-0.43	0.00	4.70	4.70	4.70
C_offsite5	5y1d	3.80	-0.40	0.00	4.84	4.84	4.84

Pipe Link: C_offsite6		Upstream		Downstream	
Scenario:	SLR	Invert:	-1.06 ft	Invert:	-2.55 ft
From Node:	C	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of C_offsite1/2
n for iron pipe

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
C_offsite6	100y3d	2.63	-0.80	0.01	4.86	4.86	4.86
C_offsite6	10y1d	2.44	-0.25	0.00	4.51	4.51	4.51
C_offsite6	25y3d	2.53	-0.84	0.01	4.67	4.67	4.67
C_offsite6	3Yr1D	2.31	-0.27	0.00	4.27	4.27	4.27
C_offsite6	5y1d	2.38	-0.25	0.00	4.40	4.40	4.40

Drop Structure Link: CyprCkE		Upstream Pipe		Downstream Pipe	
Scenario:	SLR	Invert:	-0.60 ft	Invert:	-0.60 ft
From Node:	A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	104.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component		Bottom Clip	
Weir:	1	Default:	0.00 ft
Weir Count:	1	Op Table:	
Weir Flow Direction:	Both	Ref Node:	
Damping:	0.0000 ft		

Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	2.40 ft
Control Elevation:	1.00 ft
Max Depth:	3.00 ft
Max Width:	6.00 ft
Fillet:	0.00 ft

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
CyprCkE - Pipe	100y3d	4.90	-2.64	0.02	0.00	0.00	0.00
CyprCkE - Weir: 1	100y3d	4.90	-2.64	0.02	1.87	1.87	1.87
CyprCkE - Pipe	10y1d	4.69	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	10y1d	4.69	0.00	0.00	1.86	1.86	1.86
CyprCkE - Pipe	25y3d	4.87	-2.97	0.02	0.00	0.00	0.00
CyprCkE - Weir: 1	25y3d	4.87	-2.97	0.02	1.83	1.83	1.83
CyprCkE - Pipe	3Yr1D	4.29	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	3Yr1D	4.29	0.00	0.00	1.91	1.91	1.91
CyprCkE - Pipe	5y1d	4.50	0.00	0.00	0.00	0.00	0.00
CyprCkE - Weir: 1	5y1d	4.50	0.00	0.00	1.88	1.88	1.88

Weir Link: D_F

Scenario:	SLR
From Node:	D
To Node:	F
Link Count:	1
Flow Direction:	Both

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	7.00 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	D_F	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_F	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_F	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
D_F	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: D_J2

Scenario:	SLR	Bottom Clip	
From Node:	D	Default:	0.00 ft
To Node:	J2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.60 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	D_J2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_J2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_J2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
D_J2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: D_offsite

Scenario:	SLR	**Bottom Clip**	
From Node:	D	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	D_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment: Invert changed form 1.9 to 3

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite	100y3d	73.82	0.00	-0.12	2.27	2.27	2.27
D_offsite	10y1d	42.73	0.00	-0.03	1.98	1.98	1.98
D_offsite	25y3d	58.20	0.00	-0.08	2.13	2.13	2.13
D_offsite	3Yr1D	28.03	0.00	-0.03	1.80	1.80	1.80
D_offsite	5y1d	35.33	0.00	-0.04	1.90	1.90	1.90

Pipe Link: D_offsite1

		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.39 ft	Invert:	-0.39 ft
From Node:	D	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	163.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite1	100y3d	2.84	-0.03	0.00	2.31	2.31	2.31
D_offsite1	10y1d	2.59	-0.03	0.00	2.11	2.11	2.11
D_offsite1	25y3d	2.72	-0.03	0.01	2.22	2.22	2.22
D_offsite1	3Yr1D	2.42	-0.03	0.00	1.97	1.97	1.97
D_offsite1	5y1d	2.51	-0.03	0.00	2.05	2.05	2.05

Pipe Link: D_offsite2		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.83 ft	Invert:	-0.83 ft
From Node:	D	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.67 ft	Max Depth:	0.67 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite2	100y3d	1.50	-0.02	0.00	4.25	4.25	4.25
D_offsite2	10y1d	1.37	-0.02	0.00	3.87	3.87	3.87

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
D_offsite2	25y3d	1.43	-0.02	0.01	4.07	4.07	4.07
D_offsite2	3Yr1D	1.28	-0.02	0.00	3.62	3.62	3.62
D_offsite2	5y1d	1.32	-0.02	0.00	3.76	3.76	3.76

Weir Link: E1_E2

Scenario:	SLR	**Bottom Clip**	
From Node:	E1	Default:	0.00 ft
To Node:	E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E1_E2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E2	100y3d	0.00	-20.61	-0.04	-1.45	-1.45	-1.45
E1_E2	10y1d	0.00	-6.20	-0.01	0.00	0.00	0.00
E1_E2	25y3d	0.00	-13.88	-0.04	-1.36	-1.36	-1.36
E1_E2	3Yr1D	0.00	-0.66	0.00	0.00	0.00	0.00
E1_E2	5y1d	0.00	-3.06	-0.01	0.00	0.00	0.00

Weir Link: E1_E3

Scenario:	SLR	**Bottom Clip**	
From Node:	E1	Default:	0.00 ft
To Node:	E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	7.20 ft
Control Elevation:	0.00 ft
Cross Section:	E1_E3

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_E3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E1_E3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E1_F-P		Upstream		Downstream	
Scenario:	SLR	Invert:	0.73 ft	Invert:	0.73 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	F	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	61.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-P	100y3d	21.42	-18.52	-0.09	3.03	-3.16	-3.03
E1_F-P	10y1d	14.97	-18.56	-0.13	-2.95	-3.25	-3.10
E1_F-P	25y3d	19.80	-18.70	-0.17	-2.94	-3.21	-3.07

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-P	3Yr1D	7.63	-16.65	-0.09	-2.70	-2.92	-2.81
E1_F-P	5y1d	12.06	-17.73	-0.19	-2.85	-3.12	-2.99

Weir Link: E1_F-W

Scenario:	SLR	Bottom Clip	
From Node:	E1	Default:	0.00 ft
To Node:	F	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E1_F	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_F-W	100y3d	49.18	-1.01	0.05	2.35	2.35	2.35
E1_F-W	10y1d	14.51	-0.29	-0.02	1.67	1.67	1.67
E1_F-W	25y3d	33.61	-0.60	0.04	2.16	2.16	2.16
E1_F-W	3Yr1D	2.15	-0.14	-0.01	0.92	0.92	0.92
E1_F-W	5y1d	7.65	-0.19	-0.02	1.38	1.38	1.38

Weir Link: E1_offsite

Scenario:	SLR	Bottom Clip	
From Node:	E1	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.20 ft	Discharge Coefficients	

Control Elevation:	0.00 ft		
Cross Section:	E1_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite	100y3d	97.80	0.00	0.12	2.19	2.19	2.19
E1_offsite	10y1d	22.04	0.00	-0.02	1.74	1.74	1.74
E1_offsite	25y3d	60.50	0.00	0.09	1.99	1.99	1.99
E1_offsite	3Yr1D	6.18	0.00	-0.01	1.60	1.60	1.60
E1_offsite	5y1d	12.38	0.00	-0.02	1.69	1.69	1.69

Pipe Link: E1_offsite1		Upstream		Downstream	
Scenario:	SLR	Invert:	0.04 ft	Invert:	-1.65 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	120.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite1	100y3d	20.27	-0.02	-0.46	6.45	6.45	6.45
E1_offsite1	10y1d	17.53	-0.02	-0.26	5.58	5.58	5.58
E1_offsite1	25y3d	19.20	-0.02	0.39	6.11	6.11	6.11
E1_offsite1	3Yr1D	15.39	-0.02	-0.37	4.90	4.90	4.90

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite1	5y1d	16.57	-0.02	-0.33	5.27	5.27	5.27

Pipe Link: E1_offsite2		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.19 ft	Invert:	-2.62 ft
From Node:	E1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	122.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite2	100y3d	10.58	-0.01	-0.26	5.98	5.98	5.98
E1_offsite2	10y1d	9.15	-0.01	-0.14	5.18	5.18	5.18
E1_offsite2	25y3d	10.02	-0.01	0.22	5.67	5.67	5.67
E1_offsite2	3Yr1D	8.03	-0.01	-0.20	4.54	4.54	4.54
E1_offsite2	5y1d	8.64	-0.01	-0.18	4.89	4.89	4.89

Pipe Link: E1_offsite3		Upstream		Downstream	
Scenario:	SLR	Invert:	0.73 ft	Invert:	-4.02 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite3	100y3d	4.74	-0.01	-0.09	6.04	6.04	6.04
E1_offsite3	10y1d	4.10	-0.01	-0.05	5.22	5.22	5.22
E1_offsite3	25y3d	4.49	-0.01	0.08	5.72	5.72	5.72
E1_offsite3	3Yr1D	3.60	-0.01	-0.07	4.58	4.58	4.58
E1_offsite3	5y1d	3.88	-0.01	-0.07	4.93	4.93	4.93

Pipe Link: E1_offsite4		Upstream		Downstream	
Scenario:	SLR	Invert:	0.20 ft	Invert:	-2.91 ft
From Node:	E1	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	110.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite4	100y3d	2.24	0.00	-0.05	2.85	2.85	2.85
E1_offsite4	10y1d	1.94	0.00	-0.03	2.47	2.47	2.47
E1_offsite4	25y3d	2.12	0.00	0.04	2.70	2.70	2.70
E1_offsite4	3Yr1D	1.70	0.00	-0.04	2.17	2.17	2.17

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite4	5y1d	1.83	0.00	-0.04	2.33	2.33	2.33

Pipe Link: E1_offsite5		Upstream		Downstream	
Scenario:	SLR	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.83 ft	Max Depth:	0.83 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	123.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite5	100y3d	3.00	0.00	-0.07	5.55	5.55	5.55
E1_offsite5	10y1d	2.60	0.00	-0.04	4.80	4.80	4.80
E1_offsite5	25y3d	2.85	0.00	0.06	5.26	5.26	5.26
E1_offsite5	3Yr1D	2.28	0.00	-0.06	4.21	4.21	4.21
E1_offsite5	5y1d	2.45	0.00	-0.05	4.54	4.54	4.54

Pipe Link: E1_offsite6		Upstream		Downstream	
Scenario:	SLR	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	125.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite6	100y3d	0.84	0.00	-0.02	4.26	4.26	4.26
E1_offsite6	10y1d	0.72	0.00	-0.01	3.68	3.68	3.68
E1_offsite6	25y3d	0.79	0.00	0.02	4.03	4.03	4.03
E1_offsite6	3Yr1D	0.63	0.00	-0.02	3.23	3.23	3.23
E1_offsite6	5y1d	0.68	0.00	-0.01	3.48	3.48	3.48

Pipe Link: E1_offsite7		Upstream		Downstream	
Scenario:	SLR	Invert:	0.20 ft	Invert:	-2.80 ft
From Node:	E1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	44.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of E1_offsite1/2/3/4

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite7	100y3d	42.15	-0.03	7.58	8.59	8.59	8.59
E1_offsite7	10y1d	36.45	-0.03	-6.40	7.43	7.43	7.43
E1_offsite7	25y3d	39.92	-0.03	-6.63	8.13	8.13	8.13
E1_offsite7	3Yr1D	31.99	-0.03	-5.52	6.52	6.52	6.52

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E1_offsite7	5y1d	34.45	-0.03	-6.33	7.02	7.02	7.02

Weir Link: E2_offsite

Scenario:	SLR
From Node:	E2
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.00 ft
Control Elevation:	0.00 ft
Cross Section:	E2_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite	100y3d	20.79	0.00	0.04	1.47	1.47	1.47
E2_offsite	10y1d	6.20	0.00	0.01	1.18	1.18	1.18
E2_offsite	25y3d	13.88	0.00	0.04	1.36	1.36	1.36
E2_offsite	3Yr1D	0.66	0.00	0.00	0.85	0.85	0.85
E2_offsite	5y1d	3.06	0.00	0.01	1.06	1.06	1.06

Pipe Link: E2_offsite1

Scenario:	SLR
From Node:	E2
To Node:	Outfall North
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Length:	136.00 ft
FHWA Code:	0
Entr Loss Coef:	0.50
Exit Loss Coef:	0.50

Upstream

Invert:	-0.20 ft
Manning's N:	0.0090

Geometry: Circular

Max Depth:	1.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Top Clip

Downstream

Invert:	-4.24 ft
Manning's N:	0.0090

Geometry: Circular

Max Depth:	1.00 ft

Default:	0.00 ft
Op Table:	
Ref Node:	
Manning's N:	0.0000

Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite1	100y3d	4.73	-0.09	0.02	6.02	6.02	6.02
E2_offsite1	10y1d	4.58	-0.05	0.00	5.83	5.83	5.83
E2_offsite1	25y3d	4.65	-0.13	0.02	5.92	5.92	5.92
E2_offsite1	3Yr1D	4.38	-0.05	0.00	5.58	5.58	5.58
E2_offsite1	5y1d	4.51	-0.05	0.00	5.75	5.75	5.75

Pipe Link: E2_offsite2		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.20 ft	Invert:	-4.24 ft
From Node:	E2	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.66 ft	Max Depth:	0.66 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	116.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E2_offsite2	100y3d	1.79	-0.03	0.01	5.23	5.23	5.23
E2_offsite2	10y1d	1.73	-0.02	0.00	5.06	5.06	5.06
E2_offsite2	25y3d	1.76	-0.05	0.01	5.15	5.15	5.15
E2_offsite2	3Yr1D	1.66	-0.02	0.00	4.85	4.85	4.85
E2_offsite2	5y1d	1.71	-0.02	0.00	4.99	4.99	4.99

Weir Link: E3_E2

Scenario:	SLR	**Bottom Clip**	
From Node:	E3	Default:	0.00 ft
To Node:	E2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.20 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_E2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_E2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_E2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E3_F

Scenario:	SLR	**Bottom Clip**	
From Node:	E3	Default:	0.00 ft
To Node:	F	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_F	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_F	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_F	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: E3_G-P		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.72 ft	Invert:	-0.72 ft
From Node:	E3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	G	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	82.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_G-P	100y3d	0.08	-4.13	-0.08	-3.37	-3.37	-3.37
E3_G-P	10y1d	0.05	-3.94	0.02	-3.21	-3.21	-3.21
E3_G-P	25y3d	0.07	-4.09	-0.07	-3.33	-3.33	-3.33
E3_G-P	3Yr1D	0.05	-3.82	-0.02	-3.11	-3.11	-3.11
E3_G-P	5y1d	0.06	-3.86	-0.02	-3.14	-3.14	-3.14

Weir Link: E3_G-W		Bottom Clip	
Scenario:	SLR	Default:	0.00 ft
From Node:	E3	Op Table:	
To Node:	G	Ref Node:	
Link Count:	1		

Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.90 ft
Control Elevation:	0.00 ft
Cross Section:	E3_G

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_G-W	100y3d	0.00	-94.30	-0.07	-1.43	-1.43	-1.43
E3_G-W	10y1d	0.00	-52.26	0.04	-1.51	-1.51	-1.51
E3_G-W	25y3d	0.00	-74.38	-0.06	-1.51	-1.51	-1.51
E3_G-W	3Yr1D	0.00	-37.38	-0.03	-1.45	-1.45	-1.45
E3_G-W	5y1d	0.00	-43.15	0.04	-1.50	-1.50	-1.50

Weir Link: E3_H

Scenario:	SLR
From Node:	E3
To Node:	H
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.40 ft
Control Elevation:	0.00 ft
Cross Section:	E3_H

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_H	100y3d	0.00	-71.59	0.04	-2.49	-2.49	-2.49
E3_H	10y1d	0.00	-57.14	-0.02	-2.50	-2.50	-2.50
E3_H	25y3d	0.00	-63.96	0.02	-2.51	-2.51	-2.51
E3_H	3Yr1D	0.00	-47.71	0.03	-2.46	-2.46	-2.46
E3_H	5y1d	0.00	-53.22	0.02	-2.49	-2.49	-2.49

Weir Link: E3_J3

Scenario:	SLR	**Bottom Clip**	
From Node:	E3	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.40 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	E3_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
E3_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: E3_offsite

Scenario:	SLR	**Bottom Clip**	
From Node:	E3	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	3.90 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	E3_offsite	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite	100y3d	77.82	0.00	0.13	1.89	1.89	1.89
E3_offsite	10y1d	19.45	0.00	-0.03	1.59	1.59	1.59
E3_offsite	25y3d	46.38	0.00	0.09	1.75	1.75	1.75
E3_offsite	3Yr1D	4.81	0.00	0.01	1.37	1.37	1.37
E3_offsite	5y1d	10.84	0.00	-0.02	1.49	1.49	1.49

Pipe Link: E3_offsite1		Upstream		Downstream	
Scenario:	SLR	Invert:	0.49 ft	Invert:	-1.77 ft
From Node:	E3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	143.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite1	100y3d	10.68	-0.03	0.16	6.05	6.05	6.05

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite1	10y1d	9.93	-0.03	-0.06	5.62	5.62	5.62
E3_offsite1	25y3d	10.35	-0.03	0.10	5.86	5.86	5.86
E3_offsite1	3Yr1D	9.29	-0.03	0.03	5.26	5.26	5.26
E3_offsite1	5y1d	9.64	-0.03	0.03	5.46	5.46	5.46

Pipe Link: E3_offsite2		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.83 ft	Invert:	-2.48 ft
From Node:	E3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	114.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
E3_offsite2	100y3d	11.56	-0.03	0.26	6.54	6.54	6.54
E3_offsite2	10y1d	10.75	-0.03	-0.11	6.08	6.08	6.08
E3_offsite2	25y3d	11.21	-0.03	0.17	6.34	6.34	6.34
E3_offsite2	3Yr1D	10.06	-0.03	0.06	5.69	5.69	5.69
E3_offsite2	5y1d	10.44	-0.03	0.05	5.91	5.91	5.91

Weir Link: F_J2			
Scenario:	SLR	Bottom Clip	
From Node:	F	Default:	0.00 ft
To Node:	J2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	4.70 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	F_J2	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J2	100y3d	0.00	-73.37	-0.07	0.00	0.00	0.00
F_J2	10y1d	0.00	-36.71	0.03	0.00	0.00	0.00
F_J2	25y3d	0.00	-54.37	-0.05	0.00	0.00	0.00
F_J2	3Yr1D	0.00	-23.23	0.02	0.00	0.00	0.00
F_J2	5y1d	0.00	-29.70	0.03	0.00	0.00	0.00

Weir Link: F_J3

Scenario:	SLR	Bottom Clip	
From Node:	F	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.70 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	F_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
F_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: F_offsite-P		Upstream		Downstream	
Scenario:	SLR	Invert:	0.13 ft	Invert:	0.13 ft
From Node:	F	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	21.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_offsite-P	100y3d	14.39	-0.01	0.03	8.14	8.14	8.14
F_offsite-P	10y1d	12.72	-0.01	0.01	7.20	7.20	7.20
F_offsite-P	25y3d	13.65	-0.01	-0.04	7.73	7.73	7.73
F_offsite-P	3Yr1D	11.50	-0.01	-0.01	6.51	6.51	6.51
F_offsite-P	5y1d	12.17	-0.01	0.01	6.89	6.89	6.89

Weir Link: F_offsite-W			
Scenario:	SLR	Bottom Clip	
From Node:	F	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	3.10 ft
Control Elevation:	0.00 ft
Cross Section:	F_offsite

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
F_offsite-W	100y3d	207.69	0.00	0.18	2.56	2.56	2.56
F_offsite-W	10y1d	98.02	0.00	-0.13	2.09	2.09	2.09
F_offsite-W	25y3d	156.13	0.00	0.14	2.35	2.35	2.35
F_offsite-W	3Yr1D	51.05	0.00	-0.10	1.77	1.77	1.77
F_offsite-W	5y1d	74.30	0.00	-0.13	1.95	1.95	1.95

Weir Link: G_J3

Scenario:	SLR
From Node:	G
To Node:	J3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	6.50 ft
Control Elevation:	0.00 ft
Cross Section:	G_J3

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
G_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
G_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
G_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: H_G

Scenario:	SLR	Bottom Clip	
From Node:	H	Default:	0.00 ft
To Node:	G	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.80 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	H_G	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_G	100y3d	56.48	0.00	-0.04	2.05	2.05	2.05
H_G	10y1d	35.39	0.00	-0.02	2.01	2.01	2.01
H_G	25y3d	47.32	0.00	0.03	2.04	2.04	2.04
H_G	3Yr1D	23.59	0.00	-0.02	1.86	1.86	1.86
H_G	5y1d	29.71	0.00	-0.02	1.96	1.96	1.96

Weir Link: H_I

Scenario:	SLR	Bottom Clip	
From Node:	H	Default:	0.00 ft
To Node:	I	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.80 ft	Discharge Coefficients	

Control Elevation:	0.00 ft		
Cross Section:	H_I	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_I	100y3d	81.95	0.00	0.08	2.36	2.36	2.36
H_I	10y1d	39.00	0.00	-0.03	2.23	2.23	2.23
H_I	25y3d	59.91	0.00	0.06	2.32	2.32	2.32
H_I	3Yr1D	24.24	0.00	-0.01	2.02	2.02	2.02
H_I	5y1d	30.81	0.00	-0.03	2.13	2.13	2.13

Weir Link: H_J3

Scenario:	SLR	Bottom Clip	
From Node:	H	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.90 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	H_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
H_J3	100y3d	0.00	-163.74	-0.09	-3.11	-3.11	-3.11
H_J3	10y1d	0.00	-103.51	0.05	-2.74	-2.74	-2.74
H_J3	25y3d	0.00	-135.17	-0.07	-2.95	-2.95	-2.95
H_J3	3Yr1D	0.00	-77.86	0.05	-2.56	-2.56	-2.56
H_J3	5y1d	0.00	-90.75	0.06	-2.65	-2.65	-2.65

Weir Link: I_E3			
Scenario:	SLR	Bottom Clip	
From Node:	I	Default:	0.00 ft
To Node:	E3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	I_E3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_E3	100y3d	0.74	-120.74	-0.07	-3.62	-3.62	-3.62
I_E3	10y1d	0.44	-87.97	0.04	-3.26	-3.26	-3.26
I_E3	25y3d	0.64	-106.73	-0.07	-3.47	-3.47	-3.47
I_E3	3Yr1D	0.38	-66.24	0.04	-2.97	-2.97	-2.97
I_E3	5y1d	0.42	-77.83	0.04	-3.13	-3.13	-3.13

Weir Link: I_J3			
Scenario:	SLR	Bottom Clip	
From Node:	I	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.70 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	I_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
I_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: I_offsite

Scenario:	SLR	**Bottom Clip**	
From Node:	I	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	I_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
I_offsite	100y3d	237.33	0.00	0.17	2.29	2.29	2.29
I_offsite	10y1d	144.21	0.00	-0.09	2.02	2.02	2.02
I_offsite	25y3d	192.79	0.00	0.15	2.17	2.17	2.17
I_offsite	3Yr1D	100.13	0.00	0.05	1.87	1.87	1.87
I_offsite	5y1d	122.35	0.00	-0.08	1.95	1.95	1.95

Weir Link: J1_J2

Scenario:	SLR	**Bottom Clip**	
From Node:	J1	Default:	0.00 ft
To Node:	J2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	7.20 ft	Ref Node:	
Control Elevation:	0.00 ft	**Discharge Coefficients**	
Cross Section:	J1_J2	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_J2	100y3d	1.92	0.00	-0.01	0.78	0.78	0.78
J1_J2	10y1d	0.01	0.00	0.00	0.00	0.00	0.00
J1_J2	25y3d	0.60	0.00	0.00	0.57	0.57	0.57
J1_J2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J1_J2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: J1_offsite

Scenario:	SLR	**Bottom Clip**	
From Node:	J1	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.70 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J1_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_offsite	100y3d	62.50	0.00	-0.11	1.68	1.68	1.68

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J1_offsite	10y1d	34.57	0.00	-0.02	1.53	1.53	1.53
J1_offsite	25y3d	49.82	0.00	-0.08	1.61	1.61	1.61
J1_offsite	3Yr1D	22.09	0.00	-0.02	1.44	1.44	1.44
J1_offsite	5y1d	28.22	0.00	-0.03	1.49	1.49	1.49

Weir Link: J2_J3

Scenario:	SLR	**Bottom Clip**	
From Node:	J2	Default:	0.00 ft
To Node:	J3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J2_J3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J2_J3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J2_J3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: J2_offsite

Scenario:	SLR	**Bottom Clip**	
From Node:	J2	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	4.60 ft
Control Elevation:	0.00 ft
Cross Section:	J2_offsite

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J2_offsite	100y3d	65.64	0.00	0.04	2.75	2.75	2.75
J2_offsite	10y1d	42.42	0.00	-0.03	2.44	2.44	2.44
J2_offsite	25y3d	55.06	0.00	0.04	2.62	2.62	2.62
J2_offsite	3Yr1D	29.98	0.00	-0.02	2.23	2.23	2.23
J2_offsite	5y1d	36.34	0.00	-0.03	2.34	2.34	2.34

Pipe Link: J3_K		Upstream		Downstream	
Scenario:	SLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	J3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	K	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.50 ft	Max Depth:	2.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	517.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_K	100y3d	0.00	-28.99	-0.04	-5.91	-5.91	-5.91
J3_K	10y1d	0.00	-29.21	-0.04	-5.95	-5.95	-5.95

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_K	25y3d	0.00	-29.05	0.06	-5.92	-5.92	-5.92
J3_K	3Yr1D	0.00	-29.24	-0.04	-5.96	-5.96	-5.96
J3_K	5y1d	0.00	-29.30	-0.04	-5.97	-5.97	-5.97

Weir Link: J3_offsite

Scenario:	SLR	Bottom Clip	
From Node:	J3	Default:	0.00 ft
To Node:	Outfall North	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	J3_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
J3_offsite	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
J3_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: K_M

Scenario:	SLR	Bottom Clip	
From Node:	K	Default:	0.00 ft
To Node:	M	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	8.20 ft
Control Elevation:	0.00 ft
Cross Section:	K_M

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_M	100y3d	13.15	0.00	-0.02	1.42	1.42	1.42
K_M	10y1d	4.37	0.00	0.01	1.06	1.06	1.06
K_M	25y3d	9.45	0.00	-0.02	1.29	1.29	1.29
K_M	3Yr1D	0.01	0.00	0.00	0.00	0.00	0.00
K_M	5y1d	1.98	0.00	0.01	0.87	0.87	0.87

Weir Link: K_N

Scenario:	SLR
From Node:	K
To Node:	N
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	8.30 ft
Control Elevation:	0.00 ft
Cross Section:	K_N

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_N	100y3d	5.96	0.00	-0.02	1.06	1.06	1.06
K_N	10y1d	0.61	0.00	0.00	0.63	0.63	0.63
K_N	25y3d	3.14	0.00	-0.01	0.91	0.91	0.91
K_N	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_N	5y1d	0.04	0.00	0.00	0.00	0.00	0.00

Weir Link: K_O

Scenario:	SLR	**Bottom Clip**	
From Node:	K	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	10.20 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	K_O	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
K_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
K_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: K_offsite

Scenario:	SLR	**Bottom Clip**	
From Node:	K	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.80 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800

Cross Section: K_offsite

Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
K_offsite	100y3d	91.85	0.00	-0.16	1.50	1.50	1.50
K_offsite	10y1d	37.73	0.00	0.08	1.35	1.35	1.35
K_offsite	25y3d	67.79	0.00	-0.09	1.43	1.43	1.43
K_offsite	3Yr1D	9.52	0.00	-0.03	1.28	1.28	1.28
K_offsite	5y1d	23.95	0.00	-0.04	1.31	1.31	1.31

Weir Link: L_M-W

Scenario: SLR
From Node: L
To Node: M
Link Count: 1
Flow Direction: Both
Damping: 0.0000 ft
Weir Type: Broad Crested Vertical
Geometry Type: Irregular
Invert: 5.40 ft
Control Elevation: 0.00 ft
Cross Section: L_M

Bottom Clip
Default: 0.00 ft
Op Table:
Ref Node:

Top Clip
Default: 0.00 ft
Op Table:
Ref Node:

Discharge Coefficients
Weir Default: 2.800
Weir Table:
Orifice Default: 0.600
Orifice Table:

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_M-W	100y3d	0.00	-196.56	-0.20	0.00	0.00	0.00
L_M-W	10y1d	0.00	-88.47	-0.10	0.00	0.00	0.00
L_M-W	25y3d	0.00	-141.12	-0.17	0.00	0.00	0.00
L_M-W	3Yr1D	0.00	-49.18	-0.12	0.00	0.00	0.00
L_M-W	5y1d	0.00	-69.55	-0.10	0.00	0.00	0.00

Weir Link: L_W

Scenario:	SLR	**Bottom Clip**	
From Node:	L	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	L_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_W	100y3d	9.65	-91.00	0.20	-1.44	-1.44	-1.44
L_W	10y1d	9.02	-65.93	0.13	-1.78	-1.78	-1.78
L_W	25y3d	9.07	-66.57	0.13	-1.73	-1.73	-1.73
L_W	3Yr1D	8.37	-42.99	0.10	-1.69	-1.69	-1.69
L_W	5y1d	8.87	-56.16	0.14	-1.75	-1.75	-1.75

Weir Link: L_offsite

Scenario:	SLR	**Bottom Clip**	
From Node:	L	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.60 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	L_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite	100y3d	294.44	0.00	0.42	2.46	2.46	2.46
L_offsite	10y1d	101.74	0.00	0.08	2.15	2.15	2.15
L_offsite	25y3d	192.95	0.00	0.24	2.35	2.35	2.35
L_offsite	3Yr1D	37.22	0.00	0.06	1.70	1.70	1.70
L_offsite	5y1d	68.22	0.00	0.07	1.97	1.97	1.97

Pipe Link: L_offsite1		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.53 ft	Invert:	-1.41 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	1075.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite1	100y3d	9.79	-0.01	0.03	3.12	3.12	3.12
L_offsite1	10y1d	8.86	-0.01	-0.01	2.82	2.82	2.82
L_offsite1	25y3d	9.40	-0.01	0.03	2.99	2.99	2.99
L_offsite1	3Yr1D	8.09	-0.01	-0.01	2.58	2.58	2.58
L_offsite1	5y1d	8.52	-0.01	-0.01	2.71	2.71	2.71

Pipe Link: L_offsite2		Upstream		Downstream	
Scenario:	SLR	Invert:	-1.64 ft	Invert:	-2.24 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	199.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite2	100y3d	9.70	-0.01	0.03	5.49	5.49	5.49
L_offsite2	10y1d	8.77	-0.01	-0.01	4.97	4.97	4.97
L_offsite2	25y3d	9.31	-0.01	0.03	5.27	5.27	5.27
L_offsite2	3Yr1D	8.02	-0.01	-0.01	4.54	4.54	4.54
L_offsite2	5y1d	8.44	-0.01	-0.01	4.78	4.78	4.78

Pipe Link: L_offsite3		Upstream		Downstream	
Scenario:	SLR	Invert:	-1.43 ft	Invert:	-2.27 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	183.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite3	100y3d	10.02	-0.01	0.03	5.67	5.67	5.67
L_offsite3	10y1d	9.06	-0.01	-0.01	5.13	5.13	5.13
L_offsite3	25y3d	9.62	-0.01	0.03	5.44	5.44	5.44
L_offsite3	3Yr1D	8.28	-0.01	-0.01	4.69	4.69	4.69
L_offsite3	5y1d	8.72	-0.01	-0.01	4.93	4.93	4.93

Pipe Link: L_offsite4		Upstream		Downstream	
Scenario:	SLR	Invert:	-1.27 ft	Invert:	-2.01 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	176.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite4	100y3d	10.17	-0.01	0.03	5.75	5.75	5.75
L_offsite4	10y1d	9.20	-0.01	-0.01	5.21	5.21	5.21
L_offsite4	25y3d	9.76	-0.01	0.03	5.52	5.52	5.52
L_offsite4	3Yr1D	8.41	-0.01	-0.01	4.76	4.76	4.76
L_offsite4	5y1d	8.85	-0.01	-0.01	5.01	5.01	5.01

Pipe Link: L_offsite5		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.57 ft	Invert:	-2.20 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	663.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite5	100y3d	1.99	0.00	0.01	2.53	2.53	2.53
L_offsite5	10y1d	1.80	0.00	0.00	2.29	2.29	2.29
L_offsite5	25y3d	1.91	0.00	0.01	2.43	2.43	2.43
L_offsite5	3Yr1D	1.64	0.00	0.00	2.09	2.09	2.09
L_offsite5	5y1d	1.73	0.00	0.00	2.20	2.20	2.20

Pipe Link: L_offsite6		Upstream		Downstream	
Scenario:	SLR	Invert:	-1.25 ft	Invert:	-2.20 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	177.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite6	100y3d	10.15	-0.01	0.03	5.74	5.74	5.74
L_offsite6	10y1d	9.18	-0.01	-0.01	5.20	5.20	5.20
L_offsite6	25y3d	9.74	-0.01	0.03	5.51	5.51	5.51
L_offsite6	3Yr1D	8.39	-0.01	-0.01	4.75	4.75	4.75
L_offsite6	5y1d	8.83	-0.01	-0.01	5.00	5.00	5.00

Pipe Link: L_offsite7		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.67 ft	Invert:	-1.14 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.75 ft	Max Depth:	1.75 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	160.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite7	100y3d	15.45	-0.01	0.04	6.43	6.43	6.43
L_offsite7	10y1d	13.98	-0.01	-0.01	5.81	5.81	5.81
L_offsite7	25y3d	14.84	-0.01	0.04	6.17	6.17	6.17
L_offsite7	3Yr1D	12.78	-0.01	-0.02	5.31	5.31	5.31
L_offsite7	5y1d	13.45	-0.01	-0.01	5.59	5.59	5.59

Pipe Link: L_offsite8		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.99 ft	Invert:	-1.64 ft
From Node:	L	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	165.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite8	100y3d	3.73	0.00	0.01	4.75	4.75	4.75
L_offsite8	10y1d	3.38	0.00	0.00	4.30	4.30	4.30
L_offsite8	25y3d	3.59	0.00	0.01	4.56	4.56	4.56
L_offsite8	3Yr1D	3.09	0.00	0.00	3.93	3.93	3.93
L_offsite8	5y1d	3.25	0.00	0.00	4.14	4.14	4.14

Pipe Link: L_offsite9		Upstream		Downstream	
Scenario:	SLR	Invert:	-2.89 ft	Invert:	-1.89 ft
From Node:	L	Manning's N:	0.0140	Manning's N:	0.0140
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.67 ft	Max Depth:	0.67 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	145.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of L_offsite1/2/3/4/5/6/7/8
N is for clay

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
L_offsite9	100y3d	1.32	0.00	0.00	3.74	3.74	3.74
L_offsite9	10y1d	1.19	0.00	0.00	3.38	3.38	3.38
L_offsite9	25y3d	1.27	0.00	0.00	3.59	3.59	3.59
L_offsite9	3Yr1D	1.09	0.00	0.00	3.09	3.09	3.09
L_offsite9	5y1d	1.15	0.00	0.00	3.25	3.25	3.25

Pipe Link: M_N-P		Upstream		Downstream	
Scenario:	SLR	Invert:	-5.00 ft	Invert:	-5.00 ft
From Node:	M	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	132.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_N-P	100y3d	11.25	-9.88	0.86	6.36	6.36	6.36
M_N-P	10y1d	9.62	-7.25	0.86	5.44	5.44	5.44
M_N-P	25y3d	10.09	-9.64	0.86	5.71	5.71	5.71
M_N-P	3Yr1D	9.52	-8.49	0.86	5.39	5.39	5.39
M_N-P	5y1d	9.56	-7.55	0.86	5.41	5.41	5.41

Weir Link: M_N-W			
Scenario:	SLR	Bottom Clip	
From Node:	M	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	7.60 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	M_N	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_N-W	100y3d	0.00	-39.42	0.10	0.00	0.00	0.00
M_N-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	25y3d	0.00	-12.61	-0.05	0.00	0.00	0.00
M_N-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
M_N-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: M_W

Scenario:	SLR	Bottom Clip	
From Node:	M	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.20 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	M_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_W	100y3d	6.89	0.00	0.01	1.78	1.78	1.78

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_W	10y1d	1.33	0.00	0.00	1.25	1.25	1.25
M_W	25y3d	3.81	0.00	0.01	1.55	1.55	1.55
M_W	3Yr1D	0.06	0.00	0.00	0.00	0.00	0.00
M_W	5y1d	0.62	0.00	0.00	1.00	1.00	1.00

Weir Link: M_offsite-W

Scenario:	SLR	Bottom Clip	
From Node:	M	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.10 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	M_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
M_offsite-W	100y3d	15.22	0.00	0.02	1.93	1.93	1.93
M_offsite-W	10y1d	4.06	0.00	0.01	1.41	1.41	1.41
M_offsite-W	25y3d	9.44	0.00	0.02	1.74	1.74	1.74
M_offsite-W	3Yr1D	0.73	0.00	0.00	0.91	0.91	0.91
M_offsite-W	5y1d	2.30	0.00	0.01	1.23	1.23	1.23

Weir Link: N_O

Scenario:	SLR	Bottom Clip	
From Node:	N	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	9.30 ft
Control Elevation:	0.00 ft
Cross Section:	N_O

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
N_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: N_O1		Upstream		Downstream	
Scenario:	SLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	41.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O1	100y3d	8.61	-6.10	0.46	7.02	7.02	7.02
N_O1	10y1d	8.61	-4.21	-0.45	7.02	7.02	7.02

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O1	25y3d	8.61	-6.02	-0.43	7.02	7.02	7.02
N_O1	3Yr1D	8.61	-1.69	-0.43	7.02	7.02	7.02
N_O1	5y1d	8.61	-2.97	-0.43	7.02	7.02	7.02

Pipe Link: N_O2		Upstream		Downstream	
Scenario:	SLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	63.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O2	100y3d	11.83	-8.37	0.63	6.69	6.69	6.69
N_O2	10y1d	11.83	-5.78	-0.62	6.69	6.69	6.69
N_O2	25y3d	11.83	-8.26	-0.59	6.69	6.69	6.69
N_O2	3Yr1D	11.83	-2.33	-0.60	6.69	6.69	6.69
N_O2	5y1d	11.83	-4.08	-0.60	6.69	6.69	6.69

Pipe Link: N_O3		Upstream		Downstream	
Scenario:	SLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	O	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	N	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	59.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_O3	100y3d	23.41	-16.57	1.24	7.45	7.45	7.45
N_O3	10y1d	23.41	-11.45	-1.23	7.45	7.45	7.45
N_O3	25y3d	23.41	-16.36	-1.16	7.45	7.45	7.45
N_O3	3Yr1D	23.41	-4.60	-1.18	7.45	7.45	7.45
N_O3	5y1d	23.41	-8.07	-1.18	7.45	7.45	7.45

Pipe Link: N_W-P		Upstream		Downstream	
Scenario:	SLR	Invert:	-5.59 ft	Invert:	-5.59 ft
From Node:	N	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	177.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-P	100y3d	59.32	-0.99	1.39	8.39	8.39	8.39
N_W-P	10y1d	59.32	-0.99	-1.10	8.39	8.39	8.39

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-P	25y3d	59.32	-0.99	1.33	8.39	8.39	8.39
N_W-P	3Yr1D	59.32	-0.99	-1.61	8.39	8.39	8.39
N_W-P	5y1d	59.32	-0.99	-1.06	8.39	8.39	8.39

Weir Link: N_W-W

Scenario:	SLR	**Bottom Clip**	
From Node:	N	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.40 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	N_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
N_W-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
N_W-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: O_offsite

Scenario:	SLR	**Bottom Clip**	
From Node:	O	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	5.00 ft
Control Elevation:	0.00 ft
Cross Section:	O_offsite

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
O_offsite	100y3d	89.12	0.00	-0.05	3.95	3.95	3.95
O_offsite	10y1d	51.39	0.00	0.03	3.35	3.35	3.35
O_offsite	25y3d	76.76	0.00	0.03	3.78	3.78	3.78
O_offsite	3Yr1D	26.97	0.00	0.02	2.83	2.83	2.83
O_offsite	5y1d	39.34	0.00	-0.03	3.11	3.11	3.11

Drop Structure Link: Oleander		Upstream Pipe		Downstream Pipe	
Scenario:	SLR	Invert:	-5.25 ft	Invert:	-5.50 ft
From Node:	A	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall North	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Positive	Bottom Clip			
Solution:	Combine	Default:	0.00 ft	Default:	0.00 ft
Increments:	10	Op Table:		Op Table:	
Pipe Count:	1	Ref Node:		Ref Node:	
Damping:	0.0000 ft	Manning's N:	0.0000	Manning's N:	0.0000
Length:	112.00 ft	Top Clip			
FHWA Code:	0	Default:	0.00 ft	Default:	0.00 ft
Entr Loss Coef:	0.50	Op Table:		Op Table:	
Exit Loss Coef:	0.50	Ref Node:		Ref Node:	
Bend Loss Coef:	0.00	Manning's N:	0.0000	Manning's N:	0.0000
Bend Location:	0.00 ft				
Energy Switch:	Energy				

Pipe Comment:

Weir Component	
Weir:	1
Weir Count:	1
Weir Flow Direction:	Positive
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	2.30 ft

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	

Control Elevation:	1.00 ft
Max Depth:	0.67 ft
Max Width:	0.67 ft
Fillet:	0.00 ft

Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Weir Component

Weir:	2
Weir Count:	1
Weir Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Sharp Crested Vertical
Geometry Type:	Rectangular
Invert:	3.35 ft
Control Elevation:	1.00 ft
Max Depth:	3.00 ft
Max Width:	8.00 ft
Fillet:	0.00 ft

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	3.200
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Weir Comment:

Drop Structure Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Oleander - Pipe	100y3d	14.33	0.00	0.02	0.00	0.00	0.00
Oleander - Weir: 1	100y3d	2.18	0.00	0.00	4.87	4.87	4.87
Oleander - Weir: 2	100y3d	12.73	0.00	0.01	2.50	2.50	2.50
Oleander - Pipe	10y1d	8.86	0.00	0.01	0.00	0.00	0.00
Oleander - Weir: 1	10y1d	2.14	0.00	0.00	4.77	4.77	4.77
Oleander - Weir: 2	10y1d	6.92	0.00	0.01	2.07	2.07	2.07
Oleander - Pipe	25y3d	12.07	0.00	0.02	0.00	0.00	0.00
Oleander - Weir: 1	25y3d	2.16	0.00	0.00	4.82	4.82	4.82

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Oleander - Weir: 2	25y3d	10.32	0.00	0.01	2.36	2.36	2.36
Oleander - Pipe	3Yr1D	5.31	0.00	0.01	0.00	0.00	0.00
Oleander - Weir: 1	3Yr1D	2.07	0.00	0.00	4.60	4.60	4.60
Oleander - Weir: 2	3Yr1D	3.32	0.00	0.00	1.62	1.62	1.62
Oleander - Pipe	5y1d	7.16	0.00	0.01	0.00	0.00	0.00
Oleander - Weir: 1	5y1d	2.11	0.00	0.00	4.70	4.70	4.70
Oleander - Weir: 2	5y1d	5.18	0.00	-0.01	1.88	1.88	1.88

Weir Link: P1_P2

Scenario:	SLR	**Bottom Clip**	
From Node:	P1	Default:	0.00 ft
To Node:	P2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P1_P2	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_P2	100y3d	0.00	-8.58	-0.03	0.00	0.00	0.00
P1_P2	10y1d	0.00	-0.21	0.00	0.00	0.00	0.00
P1_P2	25y3d	0.00	-3.94	-0.01	0.00	0.00	0.00
P1_P2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_P2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_P3

Scenario:	SLR
From Node:	P1
To Node:	P3
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	4.40 ft
Control Elevation:	0.00 ft
Cross Section:	P1_P3

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_P3	100y3d	10.62	0.00	0.02	1.45	1.45	1.45
P1_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P1_P3	25y3d	2.81	0.00	0.00	1.19	1.19	1.19
P1_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P1_W

Scenario:	SLR
From Node:	P1
To Node:	W
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.30 ft
Control Elevation:	0.00 ft
Cross Section:	P1_W

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_W	100y3d	47.57	-19.92	-0.19	-1.00	-1.00	-1.00
P1_W	10y1d	43.83	-4.86	-0.11	-1.00	-1.00	-1.00
P1_W	25y3d	47.35	-6.52	-0.11	-1.02	-1.02	-1.02
P1_W	3Yr1D	23.90	-5.07	-0.07	-1.01	-1.01	-1.01
P1_W	5y1d	34.53	-4.95	-0.10	-1.00	-1.00	-1.00

Weir Link: P1_offsite

Scenario:	SLR	**Bottom Clip**	
From Node:	P1	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.10 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P1_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite	100y3d	34.24	0.00	0.07	1.70	1.70	1.70
P1_offsite	10y1d	2.61	0.00	0.00	1.35	1.35	1.35
P1_offsite	25y3d	13.27	0.00	0.02	1.50	1.50	1.50
P1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P1_offsite	5y1d	0.76	0.00	0.00	1.00	1.00	1.00

Pipe Link: P1_offsite1

		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.27 ft	Invert:	-3.76 ft
From Node:	P1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	132.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite1	100y3d	4.09	0.00	0.01	5.20	5.20	5.20
P1_offsite1	10y1d	3.70	0.00	0.00	4.72	4.72	4.72
P1_offsite1	25y3d	3.93	0.00	0.01	5.00	5.00	5.00
P1_offsite1	3Yr1D	3.38	0.00	-0.01	4.30	4.30	4.30
P1_offsite1	5y1d	3.56	0.00	0.00	4.53	4.53	4.53

Pipe Link: P1_offsite2		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.57 ft	Invert:	-2.40 ft
From Node:	P1	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P1_offsite1/2, n = 0.012, size = 18"

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite2	100y3d	11.84	-0.01	0.02	6.70	6.70	6.70
P1_offsite2	10y1d	10.73	-0.01	-0.01	6.07	6.07	6.07
P1_offsite2	25y3d	11.38	-0.01	0.03	6.44	6.44	6.44
P1_offsite2	3Yr1D	9.78	-0.01	-0.02	5.53	5.53	5.53
P1_offsite2	5y1d	10.31	-0.01	-0.01	5.83	5.83	5.83

Pipe Link: P1_offsite3		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.57 ft	Invert:	-2.40 ft
From Node:	P1	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	0.50 ft	Max Depth:	0.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	130.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P1_offsite1/2

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P1_offsite3	100y3d	0.95	0.00	0.00	4.85	4.85	4.85
P1_offsite3	10y1d	0.86	0.00	0.00	4.39	4.39	4.39
P1_offsite3	25y3d	0.92	0.00	0.00	4.66	4.66	4.66
P1_offsite3	3Yr1D	0.79	0.00	0.00	4.01	4.01	4.01
P1_offsite3	5y1d	0.83	0.00	0.00	4.22	4.22	4.22

Weir Link: P2_P3			
Scenario:	SLR	Bottom Clip	
From Node:	P2	Default:	0.00 ft
To Node:	P3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	

Damping:	0.0000 ft		
Weir Type:	Broad Crested Vertical	Default:	0.00 ft
Geometry Type:	Irregular	Op Table:	
Invert:	4.90 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	P2_P3	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_P3	100y3d	5.42	0.00	0.02	1.34	1.34	1.34
P2_P3	10y1d	0.18	0.00	0.00	0.55	0.55	0.55
P2_P3	25y3d	2.67	0.00	0.01	1.11	1.11	1.11
P2_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P2_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P2_offsite-P		Upstream		Downstream	
Scenario:	SLR	Invert:	1.23 ft	Invert:	1.23 ft
From Node:	P2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	127.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, same size/type as outfall

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_offsite-P	100y3d	4.71	-0.01	0.01	6.00	6.00	6.00
P2_offsite-P	10y1d	4.57	-0.01	0.00	5.82	5.82	5.82
P2_offsite-P	25y3d	4.66	-0.01	0.01	5.93	5.93	5.93
P2_offsite-P	3Yr1D	4.11	-0.01	0.00	5.24	5.24	5.24
P2_offsite-P	5y1d	4.39	-0.01	0.00	5.59	5.59	5.59

Weir Link: P2_offsite-W

Scenario:	SLR	**Bottom Clip**	
From Node:	P2	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P2_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P2_offsite-W	100y3d	2.87	0.00	0.01	1.32	1.32	1.32
P2_offsite-W	10y1d	0.16	0.00	0.00	0.68	0.68	0.68
P2_offsite-W	25y3d	1.43	0.00	0.00	1.17	1.17	1.17
P2_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P2_offsite-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P3_Q

Scenario:	SLR	**Bottom Clip**	
From Node:	P3	Default:	0.00 ft
To Node:	Q	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	5.20 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	P3_Q	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q	100y3d	0.00	-26.79	0.04	0.00	0.00	0.00
P3_Q	10y1d	0.00	-0.12	0.00	0.00	0.00	0.00
P3_Q	25y3d	0.00	-13.25	0.02	0.00	0.00	0.00
P3_Q	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P3_Q	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: P3_Q1		Upstream		Downstream	
Scenario:	SLR	Invert:	-1.80 ft	Invert:	-1.80 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Q	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	369.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q1	100y3d	0.02	-46.23	-2.00	-6.54	-6.54	-6.54

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q1	10y1d	0.01	-36.18	-2.13	-5.12	-5.12	-5.12
P3_Q1	25y3d	0.01	-43.85	-2.12	-6.20	-6.20	-6.20
P3_Q1	3Yr1D	0.01	-23.95	1.89	-3.39	-3.39	-3.39
P3_Q1	5y1d	0.01	-29.99	-2.02	-4.24	-4.24	-4.24

Pipe Link: P3_Q2		Upstream		Downstream	
Scenario:	SLR	Invert:	-3.05 ft	Invert:	-3.05 ft
From Node:	P3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Q	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_Q2	100y3d	0.01	-16.91	-0.73	-9.57	-9.57	-9.57
P3_Q2	10y1d	0.00	-13.23	-0.78	-7.49	-7.49	-7.49
P3_Q2	25y3d	0.00	-16.03	-0.78	-9.07	-9.07	-9.07
P3_Q2	3Yr1D	0.00	-8.76	0.69	-4.96	-4.96	-4.96
P3_Q2	5y1d	0.00	-10.96	-0.74	-6.20	-6.20	-6.20

Weir Link: P3_W			
Scenario:	SLR	Bottom Clip	
From Node:	P3	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	4.70 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	P3_W	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_W	100y3d	0.00	-0.85	0.00	0.00	0.00	0.00
P3_W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P3_W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: P3_offsite

Scenario:	SLR	Bottom Clip	
From Node:	P3	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.00 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P3_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment: Invert changed form 2.9 to 3

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite	100y3d	153.86	0.00	-0.15	2.53	2.53	2.53
P3_offsite	10y1d	79.06	0.00	-0.05	2.07	2.07	2.07

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite	25y3d	118.37	0.00	-0.11	2.34	2.34	2.34
P3_offsite	3Yr1D	47.69	0.00	-0.06	1.79	1.79	1.79
P3_offsite	5y1d	63.38	0.00	-0.06	1.94	1.94	1.94

Pipe Link: P3_offsite1		Upstream		Downstream	
Scenario:	SLR	Invert:	0.02 ft	Invert:	-3.86 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	285.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite1	100y3d	2.26	0.00	-0.05	2.88	2.88	2.88
P3_offsite1	10y1d	1.99	0.00	0.02	2.53	2.53	2.53
P3_offsite1	25y3d	2.14	0.00	-0.05	2.73	2.73	2.73
P3_offsite1	3Yr1D	1.82	0.00	0.05	2.32	2.32	2.32
P3_offsite1	5y1d	1.91	0.00	0.05	2.43	2.43	2.43

Pipe Link: P3_offsite2		Upstream		Downstream	
Scenario:	SLR	Invert:	-1.20 ft	Invert:	-5.27 ft
From Node:	P3	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	48.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite2	100y3d	7.65	-0.01	-0.16	6.23	6.23	6.23
P3_offsite2	10y1d	6.72	-0.01	0.08	5.47	5.47	5.47
P3_offsite2	25y3d	7.24	-0.01	-0.18	5.90	5.90	5.90
P3_offsite2	3Yr1D	6.15	-0.01	0.16	5.01	5.01	5.01
P3_offsite2	5y1d	6.45	-0.01	0.16	5.26	5.26	5.26

Pipe Link: P3_offsite3		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.59 ft	Invert:	-4.57 ft
From Node:	P3	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	52.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P3_offsite1/2, n = 0.012, size = 18"

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite3	100y3d	11.92	-0.02	-0.24	6.74	6.74	6.74
P3_offsite3	10y1d	10.46	-0.02	0.13	5.92	5.92	5.92

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P3_offsite3	25y3d	11.28	-0.02	-0.28	6.39	6.39	6.39
P3_offsite3	3Yr1D	9.59	-0.02	0.25	5.42	5.42	5.42
P3_offsite3	5y1d	10.05	-0.02	0.26	5.69	5.69	5.69

Weir Link: P4_R-W

Scenario:	SLR	Bottom Clip	
From Node:	P4	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.54 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	P4_R	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_R-W	100y3d	8.46	-48.04	0.25	-1.92	-1.92	-1.92
P4_R-W	10y1d	8.08	-18.68	0.06	-1.76	-1.76	-1.76
P4_R-W	25y3d	8.43	-33.32	0.05	-1.92	-1.92	-1.92
P4_R-W	3Yr1D	0.81	-6.87	0.05	-1.19	-1.19	-1.19
P4_R-W	5y1d	5.59	-12.66	0.15	-1.59	-1.59	-1.59

Weir Link: P4_U1-W

Scenario:	SLR	Bottom Clip	
From Node:	P4	Default:	0.00 ft
To Node:	U1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	3.86 ft
Control Elevation:	0.00 ft
Cross Section:	P4_U1

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_U1-W	100y3d	4.61	-14.29	0.04	-1.67	-1.67	-1.67
P4_U1-W	10y1d	0.80	-1.25	0.02	-0.90	-0.90	-0.90
P4_U1-W	25y3d	4.46	-7.66	-0.02	-1.46	-1.46	-1.46
P4_U1-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
P4_U1-W	5y1d	0.00	-0.02	0.00	0.00	0.00	0.00

Weir Link: P4_offsite

Scenario:	SLR
From Node:	P4
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.50 ft
Control Elevation:	0.00 ft
Cross Section:	P4_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite	100y3d	45.41	0.00	0.14	1.68	1.68	1.68
P4_offsite	10y1d	6.55	0.00	0.01	1.64	1.64	1.64
P4_offsite	25y3d	22.24	0.00	0.03	1.66	1.66	1.66
P4_offsite	3Yr1D	0.66	0.00	0.00	0.99	0.99	0.99

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite	5y1d	3.00	0.00	0.00	1.39	1.39	1.39

Pipe Link: P4_offsite1		Upstream		Downstream	
Scenario:	SLR	Invert:	-1.19 ft	Invert:	-3.77 ft
From Node:	P4	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	161.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
P4_offsite1	100y3d	11.67	-1.13	0.04	6.61	6.61	6.61
P4_offsite1	10y1d	10.52	-0.07	0.00	5.95	5.95	5.95
P4_offsite1	25y3d	11.25	-1.25	0.04	6.37	6.37	6.37
P4_offsite1	3Yr1D	9.52	-0.07	-0.01	5.39	5.39	5.39
P4_offsite1	5y1d	10.03	-0.07	-0.01	5.68	5.68	5.68

Weir Link: Q_R			
Scenario:	SLR	Bottom Clip	
From Node:	Q	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.10 ft	Discharge Coefficients	

Control Elevation:	0.00 ft		
Cross Section:	Q_R	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_R	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_R	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: Q_S

Scenario:	SLR	Bottom Clip	
From Node:	Q	Default:	0.00 ft
To Node:	S	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	6.60 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	Q_S	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_S	100y3d	0.00	-60.48	0.10	0.00	0.00	0.00
Q_S	10y1d	0.00	-3.95	-0.01	0.00	0.00	0.00
Q_S	25y3d	0.00	-33.05	-0.07	0.00	0.00	0.00
Q_S	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_S	5y1d	0.00	-0.36	0.00	0.00	0.00	0.00

Weir Link: Q_W

Scenario:	SLR	**Bottom Clip**	
From Node:	Q	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	Q_W	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
Q_W	100y3d	42.64	0.00	-0.07	2.63	2.63	2.63
Q_W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
Q_W	25y3d	19.51	0.00	-0.05	2.20	2.20	2.20
Q_W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
Q_W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: R_P3

Scenario:	SLR	**Bottom Clip**	
From Node:	R	Default:	0.00 ft
To Node:	P3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	R_P3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_P3	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_P3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: R_U3

Scenario:	SLR	**Bottom Clip**	
From Node:	R	Default:	0.00 ft
To Node:	U3	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.24 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	R_U3	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_U3	100y3d	0.49	-0.73	-0.01	-0.76	-0.76	-0.76
R_U3	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_U3	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: R_U3-P

		Upstream		Downstream	
Scenario:	SLR	Invert:	-1.12 ft	Invert:	-1.12 ft
From Node:	R	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	U3	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			

Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	284.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_U3-P	100y3d	5.58	-1.22	0.31	3.16	3.16	3.16
R_U3-P	10y1d	5.21	-0.02	0.31	2.95	2.95	2.95
R_U3-P	25y3d	5.47	-1.03	0.31	3.10	3.10	3.10
R_U3-P	3Yr1D	4.08	0.00	0.31	2.31	2.31	2.31
R_U3-P	5y1d	4.62	0.00	0.31	2.61	2.61	2.61

Weir Link: R_offsite

Scenario:	SLR	Bottom Clip	
From Node:	R	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	4.06 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	R_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite	100y3d	9.01	0.00	0.02	1.24	1.24	1.24

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
R_offsite	25y3d	1.66	0.00	0.01	0.81	0.81	0.81
R_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
R_offsite	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: R_offsite1		Upstream		Downstream	
Scenario:	SLR	Invert:	0.00 ft	Invert:	-2.33 ft
From Node:	R	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	138.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite1	100y3d	10.22	0.00	-0.10	5.79	5.79	5.79
R_offsite1	10y1d	9.13	0.00	-0.10	5.17	5.17	5.17
R_offsite1	25y3d	9.84	0.00	-0.10	5.57	5.57	5.57
R_offsite1	3Yr1D	8.75	0.00	-0.10	4.95	4.95	4.95
R_offsite1	5y1d	8.79	0.00	-0.10	4.97	4.97	4.97

Pipe Link: R_offsite2		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.16 ft	Invert:	-2.96 ft
From Node:	R	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.25 ft	Max Depth:	1.25 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft

Length:	135.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: inverts = average of P4_offsite1/2/3, n = 0.012, size = 18"

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
R_offsite2	100y3d	6.57	0.00	-0.08	5.35	5.35	5.35
R_offsite2	10y1d	5.86	0.00	-0.08	4.78	4.78	4.78
R_offsite2	25y3d	6.32	0.00	-0.08	5.15	5.15	5.15
R_offsite2	3Yr1D	5.62	0.00	-0.08	4.58	4.58	4.58
R_offsite2	5y1d	5.65	0.00	-0.08	4.60	4.60	4.60

Weir Link: S_N

Scenario:	SLR	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	N	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.50 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_N	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_N	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	10y1d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_N	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_N	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_N	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: S_R

Scenario:	SLR	**Bottom Clip**	
From Node:	S	Default:	0.00 ft
To Node:	R	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	7.90 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_R	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_R	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_R	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_R	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: S_T

Scenario:	SLR	**Bottom Clip**	
From Node:	S	Default:	0.00 ft
To Node:	T	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	

Invert:	8.50 ft
Control Elevation:	0.00 ft
Cross Section:	S_T

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_T	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_T	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: S_T1		Upstream		Downstream	
Scenario:	SLR	Invert:	-5.80 ft	Invert:	-5.80 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	66.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T1	100y3d	19.39	-1.39	-1.27	10.97	10.97	10.97
S_T1	10y1d	19.39	-1.39	-1.27	10.97	10.97	10.97
S_T1	25y3d	19.39	-1.39	-1.27	10.97	10.97	10.97

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T1	3Yr1D	19.39	-1.39	-1.27	10.97	10.97	10.97
S_T1	5y1d	19.39	-1.39	-1.27	10.97	10.97	10.97

Pipe Link: S_T2		Upstream		Downstream	
Scenario:	SLR	Invert:	-5.80 ft	Invert:	-5.80 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T2	100y3d	19.23	-1.38	-1.26	10.88	10.88	10.88
S_T2	10y1d	19.23	-1.38	-1.26	10.88	10.88	10.88
S_T2	25y3d	19.23	-1.38	-1.26	10.88	10.88	10.88
S_T2	3Yr1D	19.23	-1.38	-1.26	10.88	10.88	10.88
S_T2	5y1d	19.23	-1.38	-1.26	10.88	10.88	10.88

Pipe Link: S_T3		Upstream		Downstream	
Scenario:	SLR	Invert:	-5.60 ft	Invert:	-5.60 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	45.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T3	100y3d	21.33	-1.53	-1.40	12.07	12.07	12.07
S_T3	10y1d	21.33	-1.53	-1.40	12.07	12.07	12.07
S_T3	25y3d	21.33	-1.53	-1.40	12.07	12.07	12.07
S_T3	3Yr1D	21.33	-1.53	-1.40	12.07	12.07	12.07
S_T3	5y1d	21.33	-1.53	-1.40	12.07	12.07	12.07

Pipe Link: S_T4		Upstream		Downstream	
Scenario:	SLR	Invert:	-6.25 ft	Invert:	-6.25 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	46.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T4	100y3d	21.23	-1.52	-1.39	12.01	12.01	12.01
S_T4	10y1d	21.23	-1.52	-1.39	12.01	12.01	12.01
S_T4	25y3d	21.23	-1.52	-1.39	12.01	12.01	12.01

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T4	3Yr1D	21.23	-1.52	-1.39	12.01	12.01	12.01
S_T4	5y1d	21.23	-1.52	-1.39	12.01	12.01	12.01

Pipe Link: S_T5		Upstream		Downstream	
Scenario:	SLR	Invert:	-5.90 ft	Invert:	-5.90 ft
From Node:	S	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	66.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, n for concrete

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_T5	100y3d	20.23	-1.45	-1.33	11.45	11.45	11.45
S_T5	10y1d	20.23	-1.45	-1.33	11.45	11.45	11.45
S_T5	25y3d	20.23	-1.45	-1.33	11.45	11.45	11.45
S_T5	3Yr1D	20.23	-1.45	-1.33	11.45	11.45	11.45
S_T5	5y1d	20.23	-1.45	-1.33	11.45	11.45	11.45

Pipe Link: S_V-P		Upstream		Downstream	
Scenario:	SLR	Invert:	-4.70 ft	Invert:	-4.70 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	V	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	96.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	

Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-P	100y3d	88.41	-6.54	-6.00	12.51	12.51	12.51
S_V-P	10y1d	88.41	-6.54	-6.00	12.51	12.51	12.51
S_V-P	25y3d	88.41	-6.54	-6.00	12.51	12.51	12.51
S_V-P	3Yr1D	88.41	-6.54	-6.00	12.51	12.51	12.51
S_V-P	5y1d	88.41	-6.54	-6.00	12.51	12.51	12.51

Weir Link: S_V-W

Scenario:	SLR	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	V	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.10 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	S_V	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_V-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_V-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: S_W-P		Upstream		Downstream	
Scenario:	SLR	Invert:	-5.05 ft	Invert:	-5.05 ft
From Node:	S	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W1	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	174.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-P	100y3d	31.52	-2.82	-0.80	10.03	10.03	10.03
S_W-P	10y1d	31.52	-0.67	-0.80	10.03	10.03	10.03
S_W-P	25y3d	31.52	-1.28	-0.80	10.03	10.03	10.03
S_W-P	3Yr1D	31.52	-0.68	-0.80	10.03	10.03	10.03
S_W-P	5y1d	31.52	-0.62	-0.80	10.03	10.03	10.03

Weir Link: S_W-W			
Scenario:	SLR	Bottom Clip	
From Node:	S	Default:	0.00 ft
To Node:	W	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	Discharge Coefficients	

Control Elevation:	0.00 ft		
Cross Section:	S_W	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
S_W-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
S_W-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: T_O

Scenario:	SLR	Bottom Clip	
From Node:	T	Default:	0.00 ft
To Node:	O	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	9.60 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	T_O	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
T_O	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
T_O	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
T_O	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: T_offsite

Scenario:	SLR
From Node:	T
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	5.00 ft
Control Elevation:	0.00 ft
Cross Section:	T_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
T_offsite	100y3d	112.89	0.00	-0.05	3.51	3.51	3.51
T_offsite	10y1d	84.70	0.00	-0.05	3.22	3.22	3.22
T_offsite	25y3d	101.84	0.00	-0.04	3.40	3.40	3.40
T_offsite	3Yr1D	60.99	0.00	-0.05	2.93	2.93	2.93
T_offsite	5y1d	73.72	0.00	-0.06	3.09	3.09	3.09

Weir Link: U1_offsite

Scenario:	SLR
From Node:	U1
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	3.80 ft
Control Elevation:	0.00 ft
Cross Section:	U1_offsite

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_offsite	100y3d	14.70	0.00	0.03	1.55	1.55	1.55
U1_offsite	10y1d	1.06	0.00	0.00	1.18	1.18	1.18
U1_offsite	25y3d	6.29	0.00	0.02	1.30	1.30	1.30
U1_offsite	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U1_offsite	5y1d	0.20	0.00	0.00	0.72	0.72	0.72

Pipe Link: U1_offsite1		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.89 ft	Invert:	-1.26 ft
From Node:	U1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.00 ft	Max Depth:	1.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	180.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000
Comment:					

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U1_offsite1	100y3d	3.12	-0.16	-0.02	3.97	3.97	3.97
U1_offsite1	10y1d	2.80	-0.01	-0.02	3.56	3.56	3.56
U1_offsite1	25y3d	2.99	-0.20	-0.02	3.81	3.81	3.81
U1_offsite1	3Yr1D	2.68	-0.01	-0.02	3.41	3.41	3.41
U1_offsite1	5y1d	2.73	-0.01	-0.02	3.48	3.48	3.48

Pipe Link: U2_offsiteP		Upstream		Downstream	
Scenario:	SLR	Invert:	-1.45 ft	Invert:	-2.44 ft
From Node:	U2	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft

Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	152.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: n = 0.012, size = 18"

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U2_offsiteP	100y3d	9.78	-0.01	0.03	5.54	5.54	5.54
U2_offsiteP	10y1d	9.37	-0.01	-0.01	5.30	5.30	5.30
U2_offsiteP	25y3d	9.58	-0.01	0.03	5.42	5.42	5.42
U2_offsiteP	3Yr1D	9.00	-0.01	0.00	5.09	5.09	5.09
U2_offsiteP	5y1d	9.23	-0.01	-0.01	5.22	5.22	5.22

Weir Link: U2_offsiteW

Scenario:	SLR	Bottom Clip	
From Node:	U2	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.80 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	U2_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U2_offsiteW	100y3d	58.89	0.00	0.10	1.64	1.64	1.64
U2_offsiteW	10y1d	17.99	0.00	-0.02	1.30	1.30	1.30
U2_offsiteW	25y3d	37.49	0.00	0.09	1.51	1.51	1.51
U2_offsiteW	3Yr1D	3.10	0.00	0.01	0.96	0.96	0.96
U2_offsiteW	5y1d	9.76	0.00	0.01	1.15	1.15	1.15

Weir Link: U3_U1

Scenario:	SLR	Bottom Clip	
From Node:	U3	Default:	0.00 ft
To Node:	U1	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	3.52 ft	Discharge Coefficients	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	U3_U1	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_U1	100y3d	13.59	-11.47	-0.04	-1.39	-1.39	-1.39
U3_U1	10y1d	3.72	-8.39	-0.03	-1.39	-1.39	-1.39
U3_U1	25y3d	8.27	-11.21	-0.03	-1.39	-1.39	-1.39
U3_U1	3Yr1D	0.05	-2.61	0.00	-1.04	-1.04	-1.04
U3_U1	5y1d	1.59	-5.56	-0.03	-1.38	-1.38	-1.38

Weir Link: U3_U2

Scenario:	SLR	Bottom Clip	
From Node:	U3	Default:	0.00 ft
To Node:	U2	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft

Weir Type:	Broad Crested Vertical		
Geometry Type:	Irregular	Op Table:	
Invert:	8.30 ft	Ref Node:	
Control Elevation:	0.00 ft	Discharge Coefficients	
Cross Section:	U3_U2	Weir Default:	2.800
		Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_U2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
U3_U2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: U3_offsite		Upstream		Downstream	
Scenario:	SLR	Invert:	-0.89 ft	Invert:	-1.26 ft
From Node:	U3	Manning's N:	0.0090	Manning's N:	0.0090
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	2.00 ft	Max Depth:	2.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	148.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_offsite	100y3d	23.40	-0.01	-0.23	7.45	7.45	7.45

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
U3_offsite	10y1d	20.69	-0.01	-0.23	6.58	6.58	6.58
U3_offsite	25y3d	22.37	-0.01	-0.23	7.12	7.12	7.12
U3_offsite	3Yr1D	20.09	-0.01	-0.23	6.40	6.40	6.40
U3_offsite	5y1d	20.09	-0.01	-0.23	6.40	6.40	6.40

Weir Link: V_S

Scenario:	SLR	**Bottom Clip**	
From Node:	V	Default:	0.00 ft
To Node:	S	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	8.30 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	V_S	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_S	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
V_S	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Pipe Link: V_S1

		Upstream		Downstream	
Scenario:	SLR	Invert:	1.00 ft	Invert:	1.00 ft
From Node:	V	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	S	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	67.00 ft	Op Table:		Op Table:	

FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S1	100y3d	1.08	-15.18	1.01	-8.59	-8.82	-8.71
V_S1	10y1d	1.08	-15.18	1.01	-8.59	-8.82	-8.71
V_S1	25y3d	1.08	-15.18	1.01	-8.59	-8.82	-8.71
V_S1	3Yr1D	1.08	-15.18	1.01	-8.59	-8.82	-8.71
V_S1	5y1d	1.08	-15.18	1.01	-8.59	-8.82	-8.71

Pipe Link: V_S2		Upstream		Downstream	
Scenario:	SLR	Invert:	2.00 ft	Invert:	2.00 ft
From Node:	V	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	S	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	68.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S2	100y3d	0.70	-11.59	1.04	-6.56	-7.18	-6.87
V_S2	10y1d	0.94	-11.59	1.04	-6.56	-7.18	-6.87

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_S2	25y3d	0.69	-11.59	1.04	-6.56	-7.18	-6.87
V_S2	3Yr1D	0.96	-11.59	1.04	-6.56	-7.18	-6.87
V_S2	5y1d	0.97	-11.59	1.04	-6.56	-7.18	-6.87

Pipe Link: V_T-P		Upstream		Downstream	
Scenario:	SLR	Invert:	-4.35 ft	Invert:	-4.35 ft
From Node:	V	Manning's N:	0.0120	Manning's N:	0.0120
To Node:	T	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	1.50 ft	Max Depth:	1.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	33.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment: Assumptions: 4ft baseline for inverts, concrete for n, 18" pipe

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_T-P	100y3d	5.45	-0.44	0.95	3.08	3.08	3.08
V_T-P	10y1d	5.23	-0.40	0.95	2.96	2.96	2.96
V_T-P	25y3d	5.43	-0.52	0.95	3.07	3.07	3.07
V_T-P	3Yr1D	5.16	-0.39	0.95	2.92	2.92	2.92
V_T-P	5y1d	5.22	-0.36	0.95	2.95	2.95	2.95

Weir Link: V_T-W			
Scenario:	SLR	Bottom Clip	
From Node:	V	Default:	0.00 ft
To Node:	T	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	Top Clip	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	

Geometry Type:	Irregular
Invert:	5.90 ft
Control Elevation:	0.00 ft
Cross Section:	V_T

Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_T-W	100y3d	18.48	0.00	-0.03	1.77	1.77	1.77
V_T-W	10y1d	14.82	0.00	-0.01	1.72	1.72	1.72
V_T-W	25y3d	17.25	0.00	-0.02	1.74	1.74	1.74
V_T-W	3Yr1D	7.68	0.00	-0.01	1.61	1.61	1.61
V_T-W	5y1d	11.88	0.00	-0.01	1.69	1.69	1.69

Weir Link: V_U2

Scenario:	SLR
From Node:	V
To Node:	U2
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	9.40 ft
Control Elevation:	0.00 ft
Cross Section:	V_U2

Bottom Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Top Clip	
Default:	0.00 ft
Op Table:	
Ref Node:	
Discharge Coefficients	
Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_U2	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	25y3d	0.00	0.00	0.00	0.00	0.00	0.00

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_U2	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
V_U2	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Weir Link: V_offsite

Scenario:	SLR	**Bottom Clip**	
From Node:	V	Default:	0.00 ft
To Node:	Outfall South	Op Table:	
Link Count:	1	Ref Node:	
Flow Direction:	Both	**Top Clip**	
Damping:	0.0000 ft	Default:	0.00 ft
Weir Type:	Broad Crested Vertical	Op Table:	
Geometry Type:	Irregular	Ref Node:	
Invert:	5.80 ft	**Discharge Coefficients**	
Control Elevation:	0.00 ft	Weir Default:	2.800
Cross Section:	V_offsite	Weir Table:	
		Orifice Default:	0.600
		Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
V_offsite	100y3d	80.15	0.00	-0.08	2.20	2.20	2.20
V_offsite	10y1d	42.49	0.00	-0.03	1.90	1.90	1.90
V_offsite	25y3d	63.65	0.00	-0.05	2.08	2.08	2.08
V_offsite	3Yr1D	21.72	0.00	-0.04	1.74	1.74	1.74
V_offsite	5y1d	32.41	0.00	-0.04	1.81	1.81	1.81

Pipe Link: W1_W-P

		Upstream		Downstream	
Scenario:	SLR	Invert:	-5.60 ft	Invert:	-6.00 ft
From Node:	W1	Manning's N:	0.0130	Manning's N:	0.0130
To Node:	W	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.00 ft	Max Depth:	3.00 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	960.62 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000

Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W1_W-P	100y3d	33.66	-17.94	-0.82	4.76	4.76	4.76
W1_W-P	10y1d	32.01	-17.94	-0.81	4.53	4.53	4.53
W1_W-P	25y3d	33.61	-17.94	-0.83	4.75	4.75	4.75
W1_W-P	3Yr1D	29.42	-17.94	0.89	4.16	4.16	4.16
W1_W-P	5y1d	30.82	-17.94	0.87	4.36	4.36	4.36

Pipe Link: W_offsite-P		Upstream		Downstream	
Scenario:	SLR	Invert:	-6.00 ft	Invert:	-6.00 ft
From Node:	W	Manning's N:	0.0240	Manning's N:	0.0240
To Node:	Outfall South	Geometry: Circular		Geometry: Circular	
Link Count:	1	Max Depth:	3.50 ft	Max Depth:	3.50 ft
Flow Direction:	Both	Bottom Clip			
Damping:	0.0000 ft	Default:	0.00 ft	Default:	0.00 ft
Length:	425.00 ft	Op Table:		Op Table:	
FHWA Code:	0	Ref Node:		Ref Node:	
Entr Loss Coef:	0.50	Manning's N:	0.0000	Manning's N:	0.0000
Exit Loss Coef:	0.50	Top Clip			
Bend Loss Coef:	0.00	Default:	0.00 ft	Default:	0.00 ft
Bend Location:	0.00 ft	Op Table:		Op Table:	
Energy Switch:	Energy	Ref Node:		Ref Node:	
		Manning's N:	0.0000	Manning's N:	0.0000

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-P	100y3d	36.77	-12.68	-2.39	3.82	3.82	3.82
W_offsite-P	10y1d	33.31	-12.68	-2.39	3.46	3.46	3.46
W_offsite-P	25y3d	35.34	-12.68	-2.39	3.67	3.67	3.67
W_offsite-P	3Yr1D	30.39	-12.68	-2.39	3.16	3.16	3.16

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-P	5y1d	32.01	-12.68	-2.39	3.33	3.33	3.33

Weir Link: W_offsite-W

Scenario:	SLR
From Node:	W
To Node:	Outfall South
Link Count:	1
Flow Direction:	Both
Damping:	0.0000 ft
Weir Type:	Broad Crested Vertical
Geometry Type:	Irregular
Invert:	9.50 ft
Control Elevation:	0.00 ft
Cross Section:	W_offsite

Bottom Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Top Clip

Default:	0.00 ft
Op Table:	
Ref Node:	

Discharge Coefficients

Weir Default:	2.800
Weir Table:	
Orifice Default:	0.600
Orifice Table:	

Comment:

Link Min/Max Conditions [SLR]

Link Name	Sim Name	Max Flow [cfs]	Min Flow [cfs]	Min/Max Delta Flow [cfs]	Max Us Velocity [fps]	Max Ds Velocity [fps]	Max Avg Velocity [fps]
W_offsite-W	100y3d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	10y1d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	25y3d	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	3Yr1D	0.00	0.00	0.00	0.00	0.00	0.00
W_offsite-W	5y1d	0.00	0.00	0.00	0.00	0.00	0.00

Simulation: 100y3d

Scenario:	Existing
Run Date/Time:	12/20/2020 5:01:57 PM
Program Version:	ICPR4 4.05.01

General

Run Mode:	Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	78.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global

Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Sfwmd72
		Rainfall Amount:	18.50 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10y1d

Scenario: Existing
Run Date/Time: 12/20/2020 5:02:45 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Flmod
		Rainfall Amount:	9.00 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25y3d

Scenario: Existing
Run Date/Time: 12/20/2020 5:03:06 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	78.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
IA Recovery Time: 24.0000 hr
ET for Manual Basins: False

Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Sfwmd72
		Rainfall Amount:	14.90 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 3Yr1D

Scenario: Existing
Run Date/Time: 12/20/2020 5:03:55 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Flmod
Rainfall Amount: 6.40 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 5y1d

Scenario: Existing
Run Date/Time: 12/20/2020 5:04:14 PM

Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Flmod
		Rainfall Amount:	7.70 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100y3d

Scenario: Pipes
Run Date/Time: 12/20/2020 12:39:11 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	78.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Sfwmd72
Rainfall Amount: 18.50 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10y1d

Scenario: Pipes
Run Date/Time: 12/20/2020 12:39:57 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Flmod
		Rainfall Amount:	9.00 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25y3d

Scenario:	Pipes
Run Date/Time:	12/20/2020 12:40:17 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	78.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Sfwmd72
Rainfall Amount: 14.90 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 3Yr1D

Scenario: Pipes
Run Date/Time: 12/20/2020 12:41:08 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Flmod
		Rainfall Amount:	6.40 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 5y1d

Scenario:	Pipes
Run Date/Time:	12/20/2020 12:41:27 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Flmod
Rainfall Amount: 7.70 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100y3d

Scenario: PipesSLR
Run Date/Time: 12/20/2020 12:41:47 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	78.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Sfwmd72
		Rainfall Amount:	18.50 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10y1d

Scenario:	PipesSLR
Run Date/Time:	12/20/2020 12:42:33 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Flmod
Rainfall Amount: 9.00 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 25y3d

Scenario: PipesSLR
Run Date/Time: 12/20/2020 12:42:51 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	78.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Sfwmd72
		Rainfall Amount:	14.90 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 3Yr1D

Scenario:	PipesSLR
Run Date/Time:	12/20/2020 12:43:38 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Flmod
Rainfall Amount: 6.40 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 5y1d

Scenario: PipesSLR
Run Date/Time: 12/20/2020 12:44:00 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Flmod
		Rainfall Amount:	7.70 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100y3d

Scenario:	Pumps
Run Date/Time:	12/20/2020 12:44:17 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	78.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Sfwmd72
Rainfall Amount: 18.50 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10y1d

Scenario: Pumps
Run Date/Time: 12/20/2020 12:46:42 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Flmod
		Rainfall Amount:	9.00 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25y3d

Scenario:	Pumps
Run Date/Time:	12/20/2020 12:47:36 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	78.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Sfwmd72
Rainfall Amount: 14.90 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 3Yr1D

Scenario: Pumps
Run Date/Time: 12/20/2020 12:49:35 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Flmod
		Rainfall Amount:	6.40 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 5y1d

Scenario:	Pumps
Run Date/Time:	12/20/2020 12:50:25 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Flmod
Rainfall Amount: 7.70 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 100y3d

Scenario: PumpsSLR
Run Date/Time: 12/20/2020 12:51:18 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	78.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Sfwmd72
		Rainfall Amount:	18.50 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 10y1d

Scenario:	PumpsSLR
Run Date/Time:	12/20/2020 12:53:24 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Flmod
Rainfall Amount: 9.00 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 25y3d

Scenario: PumpsSLR
Run Date/Time: 12/20/2020 12:54:09 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	78.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Sfwmd72
		Rainfall Amount:	14.90 in
Edge Length Option:	Automatic	Storm Duration:	72.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 3Yr1D

Scenario:	PumpsSLR
Run Date/Time:	12/20/2020 12:56:33 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Flmod
Rainfall Amount: 6.40 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 5y1d

Scenario: PumpsSLR
Run Date/Time: 12/20/2020 12:57:24 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Flmod
		Rainfall Amount:	7.70 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 100y3d

Scenario:	SLR
Run Date/Time:	12/15/2020 12:31:39 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	78.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Sfwmd72
Rainfall Amount: 18.50 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 10y1d

Scenario: SLR
Run Date/Time: 12/15/2020 12:32:36 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Flmod
		Rainfall Amount:	9.00 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 25y3d

Scenario:	SLR
Run Date/Time:	12/15/2020 12:33:03 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	78.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Sfwmd72
Rainfall Amount: 14.90 in
Storm Duration: 72.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment:

Simulation: 3Yr1D

Scenario: SLR
Run Date/Time: 12/15/2020 12:33:58 PM
Program Version: ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:

Conductivity Set:	
Leakage Set:	

Tolerances & Options

Time Marching:	SAOR	IA Recovery Time:	24.0000 hr
Max Iterations:	6	ET for Manual Basins:	False
Over-Relax Weight Fact:	0.5 dec		
dZ Tolerance:	0.0010 ft	Smp/Man Basin Rain Opt:	Global
Max dZ:	1.0000 ft	OF Region Rain Opt:	Global
Link Optimizer Tol:	0.0001 ft	Rainfall Name:	Flmod
		Rainfall Amount:	6.40 in
Edge Length Option:	Automatic	Storm Duration:	24.0000 hr
Dflt Damping (2D):	0.0050 ft	Dflt Damping (1D):	0.0050 ft
Min Node Srf Area (2D):	1 ft2	Min Node Srf Area (1D):	113 ft2
Energy Switch (2D):	Energy	Energy Switch (1D):	Energy

Comment:

Simulation: 5y1d

Scenario:	SLR
Run Date/Time:	12/15/2020 12:34:19 PM
Program Version:	ICPR4 4.05.01

General

Run Mode: Normal

	Year	Month	Day	Hour [hr]
Start Time:	0	0	0	0.0000
End Time:	0	0	0	30.0000

	Hydrology [sec]	Surface Hydraulics [sec]	Groundwater [sec]
Min Calculation Time:	60.0000	0.1000	900.0000
Max Calculation Time:		60.0000	

Output Time Increments

Hydrology

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Surface Hydraulics

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	15.0000

Groundwater

Year	Month	Day	Hour [hr]	Time Increment [min]
0	0	0	0.0000	360.0000

Restart File

Save Restart: False

Resources & Lookup Tables

Resources

Rainfall Folder: ICPR3
Reference ET Folder:
Unit Hydrograph Folder: ICPR3

Lookup Tables

Boundary Stage Set:
Extern Hydrograph Set:
Curve Number Set:
Green-Ampt Set:
Vertical Layers Set:
Impervious Set:
Roughness Set:
Crop Coef Set:
Fillable Porosity Set:
Conductivity Set:
Leakage Set:

Tolerances & Options

Time Marching: SAOR
Max Iterations: 6
Over-Relax Weight Fact: 0.5 dec
dZ Tolerance: 0.0010 ft
Max dZ: 1.0000 ft
Link Optimizer Tol: 0.0001 ft
Edge Length Option: Automatic
Dflt Damping (2D): 0.0050 ft
Min Node Srf Area (2D): 1 ft2
Energy Switch (2D): Energy

IA Recovery Time: 24.0000 hr
ET for Manual Basins: False
Smp/Man Basin Rain Opt: Global
OF Region Rain Opt: Global
Rainfall Name: Flmod
Rainfall Amount: 7.70 in
Storm Duration: 24.0000 hr
Dflt Damping (1D): 0.0050 ft
Min Node Srf Area (1D): 113 ft2
Energy Switch (1D): Energy

Comment: